PTO/AIA/80 (07-12)
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POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(c).

I hereby appoint:

■ Practitioners associated with Customer Number: 38441

OR

☐ Practitioner(s) named below (if more than ten patent practitioners are to be named, then a customer number must be used):

Name	Registration Number	Name	Registration Number

As attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignments documents attached to this form in accordance with 37 CFR 3.73(c).

Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(c) to:

■ The address associated with Customer Number: 38441

OR

☐	Firm or Individual Name		
	Address		
	City	State	Zip
	Country		
	Telephone	Email	

Assignee Name and Address: Bell Helicopter Textron Inc.
P.O. Box 482
Fort Worth, TX 76101

A copy of this form, together with a statement under 37 CFR 3.73(c) (Form PTO/AIA/96 or equivalent) is required to be Filed in each application in which this form is used. The statement under 37 CFR 3.73(c) may be completed by one of The practitioners appointed in this form, and must identify the application in which this Power of Attorney is to be filed.

SIGNATURE of Assignee of Record
The individual whose signature and title is supplied below is authorized to act on behalf of the assignee

Signature		Date	9/26/2012
Name	Russell Holloway	Telephone	817-280-2031
Title	Assistant Secretary, Bell Helicopter Textron Inc.		

This collection of information is required by 37 CFR 1.31, 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.

DJI-1002
IPR2023-01106

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

Applicant/Patent Owner: Bell Helicopter Textron Inc.

Application No./Patent No.: _____ Filed/Issue Date: _____

Titled: AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA

Bell Helicopter Textron Inc., a Corporation

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

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

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

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

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

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

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

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

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

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

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

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

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

   1. From: _____ To: _____

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

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

   2. From: _____ To: _____

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

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

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

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

PTO/AIA/96 (08-12)
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

STATEMENT UNDER 37 CFR 3.73(c)

3. From: _____ To: _____

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

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

4. From: _____ To: _____

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

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

5. From: _____ To: _____

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

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

6. From: _____ To: _____

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

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

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

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

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

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

/jamesewaltonpat/ — Signature

7/26/13 — Date

James E. Walton — Printed or Typed Name

47245 — Title or Registration Number

[Page 2 of 2]

PATENT APPLICATION ASSIGNMENT

WHEREAS, we, **William D. Girard**, residing in the city of Euless, Texas 76039; and, **Brian E. Tucker**, residing in the city of Fort Worth, Texas 76110, both being U.S. citizens, have invented a new and useful

AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA

for which application is being made for Letters Patent, said application being identified as U.S. Patent Application No. _____, filed _____, titled "AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA," and being further identified as Attorney Docket No. **0837RF-12-139**. We hereby authorize our attorney to fill in the foregoing blanks for the application number and the filing date once that information becomes known.

WHEREAS, **BELL HELICOPTER TEXTRON INC.**, a corporation of the State of Delaware, having a correspondence address at P.O. Box 482, Fort Worth, Texas 76101, is desirous of acquiring our entire right, title and interest in said invention, application, and any patents that may issue thereon.

NOW THEREFORE, be it known by all whom it may concern that for and in consideration of One Dollar ($1.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we hereby assign to said corporation for the territory of the United States of America and the entire world our entire right, title, and interest in and to said invention, any patent applications filed therefor, including any provisional, design, utility, divisional, continuation, continuation-in-part, reissue, reexamination, and international applications, and any patents that may issue thereon, and including all priority rights for patent applications foreign to the United States of America.

WE HEREBY covenant and agree that we will at any time, upon the request and at the expense of said corporation, execute and deliver any and all papers and do all lawful acts that may be necessary or desirable to perfect the title to said invention, applications, and patents, and we authorize the Commissioner of Patents and Trademarks to issue Letters Patent to said corporation.

IN TESTIMONY WHEREOF, we execute this Patent Application Assignment on the date set forth below.

7/22/2013
Date

William D. Girard
William D. Girard

_____
Date

_____
Brian E. Tucker

PATENT APPLICATION ASSIGNMENT

WHEREAS, we, **William D. Girard**, residing in the city of Euless, Texas 76039; and, **Brian E. Tucker**, residing in the city of Fort Worth, Texas 76110, both being U.S. citizens, have invented a new and useful

AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA

for which application is being made for Letters Patent, said application being identified as U.S. Patent Application No. _____, filed _____, titled "AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA," and being further identified as Attorney Docket No. **0837RF-12-139**. We hereby authorize our attorney to fill in the foregoing blanks for the application number and the filing date once that information becomes known.

WHEREAS, **BELL HELICOPTER TEXTRON INC.**, a corporation of the State of Delaware, having a correspondence address at P.O. Box 482, Fort Worth, Texas 76101, is desirous of acquiring our entire right, title and interest in said invention, application, and any patents that may issue thereon.

NOW THEREFORE, be it known by all whom it may concern that for and in consideration of One Dollar ($1.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we hereby assign to said corporation for the territory of the United States of America and the entire world our entire right, title, and interest in and to said invention, any patent applications filed therefor, including any provisional, design, utility, divisional, continuation, continuation-in-part, reissue, reexamination, and international applications, and any patents that may issue thereon, and including all priority rights for patent applications foreign to the United States of America.

WE HEREBY covenant and agree that we will at any time, upon the request and at the expense of said corporation, execute and deliver any and all papers and do all lawful acts that may be necessary or desirable to perfect the title to said invention, applications, and patents, and we authorize the Commissioner of Patents and Trademarks to issue Letters Patent to said corporation.

IN TESTIMONY WHEREOF, we execute this Patent Application Assignment on the date set forth below.

Date	**William D. Girard**
22 July 2013	
Date	**Brian E. Tucker**

Electronic Patent Application Fee Transmittal

Application Number:	
Filing Date:	
Title of Invention:	Avionics System Adapted for Employing Smartphone to Input-Output Flight Data
First Named Inventor/Applicant Name:	William D. Girard
Filer:	James Edward Walton
Attorney Docket Number:	0837RF-12-139

Filed as Large Entity

Utility under 35 USC 111(a) Filing Fees

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Utility application filing	1011	1	280	280
Utility Search Fee	1111	1	600	600
Utility Examination Fee	1311	1	720	720
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
			Total in USD ($)	**1600**

Electronic Acknowledgement Receipt

EFS ID:	16428355
Application Number:	13951900
International Application Number:	
Confirmation Number:	5290
Title of Invention:	Avionics System Adapted for Employing Smartphone to Input-Output Flight Data
First Named Inventor/Applicant Name:	William D. Girard
Customer Number:	38441
Filer:	James Edward Walton
Filer Authorized By:	
Attorney Docket Number:	0837RF-12-139
Receipt Date:	26-JUL-2013
Filing Date:	
Time Stamp:	14:49:38
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	$1600
RAM confirmation Number	1255
Deposit Account	502806
Authorized User	WALTON, JAMES E

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

Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Application Data Sheet	aia0014.pdf	2211280 02acae6d5c934512f100612167ea9d75b86a1a75	no	6
Warnings:					
Information:					
2		PatentApplication20130726.pdf	2393814 9331bf6da46838496d157dcc56ba78f300f16d12	yes	26

Multipart Description/PDF files in .zip description

Document Description	Start	End
Miscellaneous Incoming Letter	1	2
Specification	3	10
Claims	11	14
Abstract	15	15
Drawings-only black and white line drawings	16	17
Oath or Declaration filed	18	18
Oath or Declaration filed	19	19
Power of Attorney	20	20
Assignee showing of ownership per 37 CFR 3.73.	21	24
Authorization to access Appl. by Trilateral Office	25	25
PTO/SB/69-Authorize EPO Access to Search Results	26	26

Warnings:					
Information:					
3	Fee Worksheet (SB06)	fee-info.pdf	32780 1e7b4230bd3fdae7039048d91c7ab9d21c097d8a	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	4637874		

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/AIA/14 (08-12)
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	0837RF-12-139
	Application Number	
Title of Invention	AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA	

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
	William	D.	Girard	

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

City	Euless	State/Province	TX	Country of Residence	US

Mailing Address of Inventor:

Address 1	511 Cherry Ann Court		
Address 2			
City	Euless	State/Province	TX
Postal Code	76039	Country	US

Inventor 2 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	Brian	E.	Tucker	

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

City	Fort Worth	State/Province	TX	Country of Residence	US

Mailing Address of Inventor:

Address 1	1014 West Arlington Avenue		
Address 2			
City	Fort Worth	State/Province	TX
Postal Code	76110	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).

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	0837RF-12-139
	Application Number	
Title of Invention	AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA	

☐ **An Address is being provided for the correspondence Information of this application.**			
Customer Number	38441		
Email Address	jim@waltonpllc.com	Add Email	Remove Email

Application Information:

Title of the Invention	AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA		
Attorney Docket Number	0837RF-12-139	**Small Entity Status Claimed**	☐
Application Type	Nonprovisional		
Subject Matter	Utility		
Suggested Class (if any)		**Sub Class (if any)**	
Suggested Technology Center (if any)			
Total Number of Drawing Sheets (if any)	2	**Suggested Figure for Publication (if any)**	3

Publication Information:

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

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

Representative Information:

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

Please Select One:	◉ Customer Number	○ US Patent Practitioner	○ Limited Recognition (37 CFR 11.9)
Customer Number	38441		

Domestic Benefit/National Stage Information:

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

Prior Application Status	Pending		Remove
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)
	Continuation of		

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	0837RF-12-139
	Application Number	
Title of Invention	AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA	

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 benefit of foreign priority and to identify any prior foreign application for which priority is not claimed. 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(a).

Remove

Application Number	Country i	Filing Date (YYYY-MM-DD)	Priority Claimed
			◉ Yes ○ No

Additional Foreign Priority Data may be generated within this form by selecting the **Add** button. Add

Authorization to Permit Access:

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

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

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

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

Applicant Information:

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

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	0837RF-12-139
	Application Number	
Title of Invention	AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA	

Applicant 1

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

Remove

◉ Assignee	○ Legal Representative under 35 U.S.C. 117
○ 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 Assignee is an Organization check here. ☒

Organization Name	BELL HELICOPTER TEXTRON INC.

Mailing Address Information:

Address 1	P.O. Box 482		
Address 2			
City	Fort Worth	**State/Province**	TX
Country [i]	US	Postal Code	76101
Phone Number		Fax Number	
Email Address			

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

Signature:

Remove

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

Signature	/jamesewaltonpat/			Date (YYYY-MM-DD)	2013-07-26
First Name	James	Last Name	Walton	Registration Number	47245

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

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	0837RF-12-139
	Application Number	
Title of Invention	AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA	

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

Privacy Act Statement

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

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

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether the Freedom of Information Act requires disclosure of these records.

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

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

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

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

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

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

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

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

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No. **0837RF-12-139**

In Re Application of:	§	Examiner: **TO BE ASSIGNED**
WILLIAM D. GIRARD	§	
Serial No: **TO BE ASSIGNED**	§	Art Unit: **TO BE ASSIGNED**
Filed: **HEREWITH**	§	
For: **AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA**	§	Confirmation No.

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3. Non-provisional Application, including 2 sheets of Drawings;
4. Declaration executed by the inventors, form PTO/AIA/01a;
5. Assignment executed by the Inventors;

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By: James E. Walton James E. Walton

6. Power of Attorney, form PTO/AIA/80;
7. Statement Under 37 C.F.R. § 3.73(c), form PTO/AIA/96;
8. Authorization to Permit Access to Application; form PTO/SB/39; and
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Please link this application to Customer No. 38441, so that its status may be accessed via the PAIR System.

Respectfully submitted,

7/26/13
Date

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ATTORNEY FOR APPLICANTS

SPECIFICATION

TO ALL WHOM IT MAY CONCERN:

BE IT KNOWN that we, William D. Girard, residing in the city of Euless, Texas 76039; and, Brian E. Tucker, residing in the city of Fort Worth, Texas 76110, both being U.S. citizens, have invented a new and useful

AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA

of which the following is a specification.

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By: James E. Walton

BACKGROUND

1. Field of the Invention

[0001] The present application relates generally to aircraft avionics systems.

2. Description of Related Art

[0002] Aircraft avionics systems are well known in the art for control aircraft maneuverability. Prior to flight, the avionics systems are typically manually programmed with flight planning information. The manual process results in significant downtime, and in some scenarios, can result in mistakes due to incorrect input.

[0003] Conventional avionics systems can also be utilized to display and store flight performance information of the aircraft during flight. The information is useful for monitoring the aircraft performance, to assist with maintenance, and to provide feedback during pilot training.

[0004] Although the foregoing developments in the above-described system and method represent great strides, many shortcomings remain.

DESCRIPTION OF THE DRAWINGS

[0005] The novel features believed characteristic of the embodiments of the present application are set forth in the appended claims. However, the embodiments themselves, as well as a preferred mode of use, and further objectives and advantages thereof, will best be understood by reference to the following detailed description when read in conjunction with the accompanying drawings, wherein:

FIG. 1 is a side view of a helicopter according to a preferred embodiment of the present application;

FIG. 2 is a perspective view of a tiltrotor aircraft according to an alternative embodiment of the present application; and

FIG. 3 is a simplified schematic of the fight performance monitoring, analysis, and feedback system in accordance with the preferred embodiment of the present application.

[0006] While the system and method of the present application is susceptible to various modifications and alternative forms, specific embodiments thereof have been shown by way of example in the drawings and are herein described in detail. It should be understood, however, that the description herein of specific embodiments is not intended to limit the invention to the particular embodiment disclosed, but on the contrary, the intention is to cover all modifications, equivalents, and alternatives falling within the spirit and scope of the process of the present application as defined by the appended claims.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT

[0007] Illustrative embodiments of the apparatus and method are provided below. It will of course be appreciated that in the development of any actual embodiment, numerous implementation-specific decisions will be made to achieve the developer's specific goals, such as compliance with system-related and business-related constraints, which will vary from one implementation to another. Moreover, it will be appreciated that such a development effort might be complex and time-consuming, but would nevertheless be a routine undertaking for those of ordinary skill in the art having the benefit of this disclosure.

[0008] The system of the present application overcomes problems commonly associated with conventional avionic systems and methods. Specifically, the system includes a transmitter that wirelessly transmits flight performance data from the aircraft avionics system to a wireless database. Further, the system includes a portable wireless transceiver that receives and transmits flight performance data and/or pilot information associated with the flight performance data to the wireless database. The system provides rapid and effective means to monitor the flight performance of the aircraft, and to provide monitoring and training of the pilot. The system is also adapted to upload flight planning information to the avionics system of the aircraft. Further

detailed description of these features are provided below and illustrated in the accompanying drawings.

[0009] The system and method of the present application will be understood, both as to its structure and operation, from the accompanying drawings, taken in conjunction with the accompanying description. Several embodiments of the system are presented herein. It should be understood that various components, parts, and features of the different embodiments may be combined together and/or interchanged with one another, all of which are within the scope of the present application, even though not all variations and particular embodiments are shown in the drawings. It should also be understood that the mixing and matching of features, elements, and/or functions between various embodiments is expressly contemplated herein so that one of ordinary skill in the art would appreciate from this disclosure that the features, elements, and/or functions of one embodiment may be incorporated into another embodiment as appropriate, unless described otherwise.

[0010] Referring now to the drawings wherein like reference characters identify corresponding or similar elements throughout the several views, FIG. 1 depicts an aircraft 101 in accordance with a preferred embodiment of the present application. In the exemplary embodiment, aircraft 101 is a helicopter having a fuselage 103 and a rotor system 105 carried thereon. A plurality of rotor blades 107 is operably associated with rotor system 105 for creating flight.

[0011] Although shown associated with a helicopter, it will be appreciated that the system of the present application could also be utilized with different types of rotary aircraft and vehicles. For example, FIG. 2 illustrates a tiltrotor aircraft 201 that utilizes the damper system in accordance with the present application.

[0012] Tiltrotor aircraft 201 includes rotor assemblies 213a and 213b that are carried by wings 215a and 215b, and are disposed at end portions 216a and 216b of wings 215a and 215b, respectively. Tilt rotor assemblies 213a and 213b include nacelles 220a and 220b, which carry the engines and transmissions of tilt rotor aircraft 201, as well as, rotor proprotors 219a and 219b on forward ends 221a and 221b of tilt rotor assemblies 213a

and 213b, respectively. Tilt rotor assemblies 213a and 213b move or rotate relative to wing members 215a and 215b between a helicopter mode in which tilt rotor assemblies 213a and 213b are tilted upward, such that tilt rotor aircraft 201 flies like a conventional helicopter; and an airplane mode in which tilt rotor assemblies 213a and 213b are tilted forward, such that tilt rotor aircraft 201 flies like a conventional propeller driven aircraft.

[0013] FIG 3 shows a simplified schematic of system 301 according to the preferred embodiment of the present application. System 301 preferably includes one or more of a transmitter 303, a transceiver 305, and a database 307. It will be appreciated that the features of system 301 discussed herein are hereby incorporated in aircraft 101, 201, and other similarly suitable aircraft and/or vehicles.

[0014] Transmitter 303 is in data communication with an avionics system 309 associated with aircraft 311. During operation, a sensor 310 associated with avionics system 309 senses performance data of aircraft 311 during flight, which in turn is received, stored, and transmitted to transceiver 305.

[0015] In the preferred embodiment, transmitter 303 is a Secure Digital (SD) or a non-volatile memory card that is configured to receive, store, and/or transmit data to and from avionics system 309. To facilitate transmission, transmitter 303 includes a wireless device 313 configured to transmit data to and from transceiver 305. It will be appreciated that transmitter 303 could also be configured to fit within transceiver 305, e.g., a mini SD card fitted within a smartphone and/or portable tablet.

[0016] In the contemplated embodiment, transceiver 305 is a portable smartphone and/or tablet configured to receive data from transmitter 313 and relay the data to database 307. Transceiver 305 is also contemplated having a touch or voice key entry feature that enables a user to enter information to be relayed to avionics system 309 and/or database 307. For example, the pilot identification information associated with the flight performance data can be sent together to database 307.

[0017] Database 307 is configured to store data from transmitter 303 and can be operably associated with a computer 315 for viewing and analysis of the data via a

computer display (not shown). In an alternative embodiment, database 307 could be adapted to send and receive data directly from transmitter 303, thereby eliminating the need for transceiver 305. It will be appreciated that database 307 could be configured to automatically populate aircraft and pilot logbooks with data received from the aircraft, e.g., flight hours, landings, and so forth. Conventional methods include the process of manually keeping the logbooks, and the above method would reduce the record-keeping burden and reduce the manual entry errors.

[0018] One feature believed unique to the present application is utilizing wireless means to transfer secured information from avionics system 309 to database 307. This process is achieved enables rapid and efficient means to convey data with little to no flight downtime. It should be understood that there are many different means of wireless communications that are contemplated, including, but not limited to, radio waves such as Bluetooth technology, cellular, Wi-Fi, Near Field Communication, and so forth. It is contemplated utilizing short-range wireless communication from transmitter 303 to transceiver 305 and utilizing long-range communication from transceiver 305 to database 307.

[0019] In one contemplated method of utilizing system 301, transmitter 303, with wireless communication capabilities, is inserted into the avionics system 309 prior to flight. Data, such as flight performance data, is written to transmitter 303 during flight, and once the flight is over, the user can then download the data directly to transceiver 305 or command the data to be sent directly to database 307, e.g, internet share or network. Once received by database 307, the user can analyze the data using third party software via computer 315.

[0020] In an alternative method, transmitter 303 could be configured to facilitate automatic download of flight performance data to either transceiver 305 and/or database 307 after flight.

[0021] It is also contemplated utilizing system 301 to upload flight planning data to avionics system 309. For example, a user can enter flight planning on transceiver 305 and/or other devices in communication with transmitter 303. The use can either wirelessly

transmit the flight planning data to transmitter 303 or connect transmitter 303 directly to transceiver 305 and then thereafter connect transmitter 303 directly to avionics system 309. The user can then upload the flight planning information to avionics system 309. It will be appreciated that this process eliminates the need to manually enter flight planning information on avionics system 309, which commonly results in entry error.

[0022] It will be appreciated that system 301 provides the necessary link to facilitate the automatic download and/or upload of data to onboard avionics, without the need for specialized and dedicated onboard hardware. Also, the method of utilizing system 301 eliminates errors that can be caused by manual entry of flight planning information.

[0023] It will also be appreciated that the wireless connectivity discussed herein alleviates the need to remove/replace memory cards often, allows for easier integration with online/internet analysis solutions, improves user experience by integrating common devices into the solution. Another advantage of system 301 is that it uses non-aviation/off-board communication devices, e.g., transmitter 305 and computer 315, as the primary method, which allows for easier upgrades/improvements in hardware and software, as minimal qualification are required. Since the wireless communications is occurring through a standardized and controlled interface, e.g., writing data to transmitter 303, the onboard system is protected from malicious attacks to hardware through the wireless interface. The method also allows the data to be associated with the pilot/user via the transceiver 305 identity, removing the need for additional log-in and improve security with individual, unique pilot ID information.

[0024] In an alternative embodiment, it is contemplated utilizing a cable as means for data communication between transmitter 303 and avionics system 309. This embodiment could be utilized in aircraft that does not include ports for transmitter 303, e.g., a SD card port.

[0025] Utilizing system 301 as a training exercise is another contemplated method of use. For example, after flight, the flight performance information is sent to database 307 by one or more means discussed above, then thereafter reviewed by a flight instructor. Thereafter, the flight instructor can provide feedback based upon the flight performance

data. It should be appreciated that one advantage of this method is to protect the privacy of the pilot's data so that only the instructor has access in lieu of multiple pilots having access. Confidentiality is often a requirement for many of the flight data monitoring programs normally imposed by pilot unions.

[0026] In one contemplated embodiment, computer 315 and transceiver 305 can be configured to communication directly with each other to provide feedback via automated rules. For example, computer 315 can process the data stored in database 307 and then transmit the analysis directly to the pilot on transceiver 305. This could take the form of individual events, e.g., "at 07:45, you conducted a banked turn of more than 30 degrees", and/or through use of a scoring system such as a safety score, e.g., "Your Safety Score for this flight was an A; no negative conditions were found."

[0027] It is apparent that a system and method with significant advantages has been described and illustrated. The particular embodiments disclosed above are illustrative only, as the embodiments may be modified and practiced in different but equivalent manners apparent to those skilled in the art having the benefit of the teachings herein. It is therefore evident that the particular embodiments disclosed above may be altered or modified, and all such variations are considered within the scope and spirit of the application. Accordingly, the protection sought herein is as set forth in the description. Although the present embodiments are shown above, they are not limited to just these embodiments, but are amenable to various changes and modifications without departing from the spirit thereof.

What is claimed is:

1. An aircraft, comprising:

a sensor;

an avionics system associated with the sensor;

a wireless transmitter in data communication with the avionics system;

wherein the avionics system is configured to monitor aircraft flight performance data from the sensor; and

wherein the wireless transmitter is configured to wirelessly transmit aircraft flight performance data to the wireless database.

2. The aircraft of claim 1, further comprising:

a wireless transceiver in data communication with the wireless transmitter;

wherein the wireless transceiver is configured to receive and transmit aircraft flight performance data to the wireless database.

3. The aircraft of claim 2, wherein the wireless transceiver is portable.

4. The aircraft of claim 3, wherein the wireless transceiver is a smartphone.

5. The aircraft of claim 2, wherein the wireless transceiver is configured to transmit pilot identification to the wireless database.

6. The aircraft of claim 2, wherein the wireless transceiver is configured to upload data to the avionics system via the wireless transmitter.

7. The aircraft of claim 6, wherein the uploaded data is a flight planning data.

8. The aircraft of claim 2, wherein the wireless transmitter removably attaches to the wireless transceiver.

9. The aircraft of claim 1, wherein the wireless transmitter removably attaches to the avionics system.

10. The aircraft of claim 1, wherein the wireless transceiver is configured to receive and store aircraft flight performance data.

11. An aircraft flight performance monitoring system, comprising:

a wireless transmitter in data communication with an avionics system of the aircraft;

a portable wireless transceiver associated with the wireless transmitter; and

a wireless database associated with the wireless transmitter;

wherein the wireless transmitter is configured to receive and transmit flight performance data from the avionics system to the portable wireless transceiver, which in turn is transmitted to the wireless database.

12. The system of claim 11, wherein the wireless transmitter removable attaches to the avionics system.

13. The system of claim 12, wherein the wireless transceiver is configured to receive the wireless transmitter.

14. The system of claim 11, wherein the portable wireless transceiver is a smartphone.

15. The system of claim 11, wherein the portable wireless transceiver transmits pilot identification information to the wireless database.

16. The system of claim 11, further comprising:

a monitor conductively coupled to the wireless database;

wherein the monitor provides viewing access of flight performance data.

17. A method to monitor aircraft flight performance data, comprising:

sensing flight performance data with a sensor;

transmitting sensed flight performance data to a wireless transmitter;

wirelessly transmitting the sensed flight performance data to a wireless database; and

monitoring flight performance data with a display operably associated with the wireless database.

18. The method of claim 17, further comprising:

wirelessly transmitting the sensed data to a wireless transceiver operably associated with the database.

19. The method of claim 18, further comprising:

wirelessly transmitting pilot information to the database via the wireless transceiver.

20. The method of claim 18, further comprising:

removably attaching the wireless transmitter to the wireless transceiver.

ABSTRACT

A system and method configured to monitor aircraft flight performance data. The system includes a wireless transmitter in data communication with an avionics system of the aircraft, a portable wireless transceiver associated with the wireless transmitter, and a wireless database associated with the wireless transmitter. The method includes sensing flight performance data with the sensor, transmitting sensed flight performance data to the wireless transmitter, wirelessly transmitting the sensed flight performance data to the wireless database, and monitoring flight performance data with a display operably associated with the wireless database.

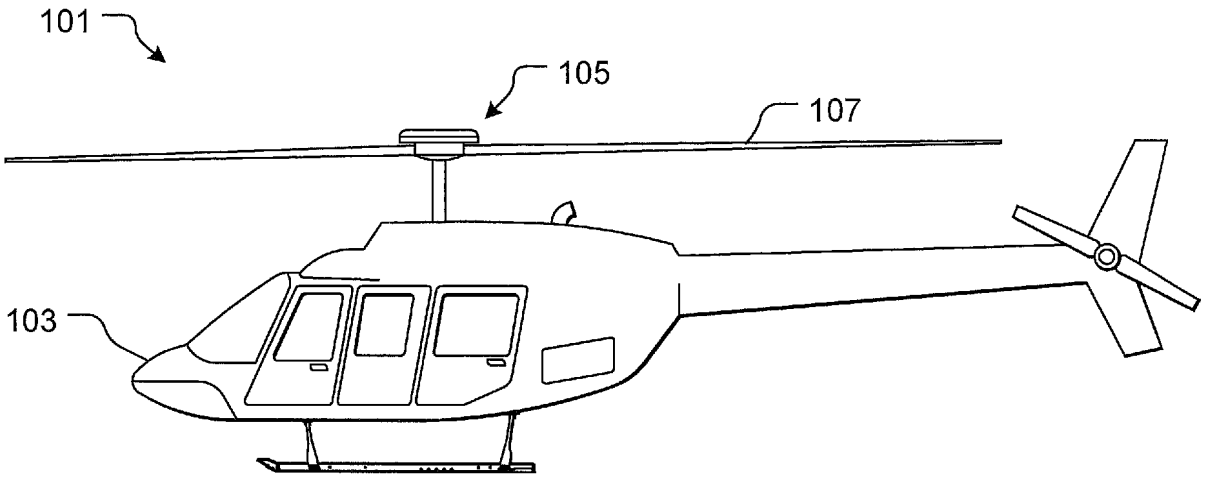
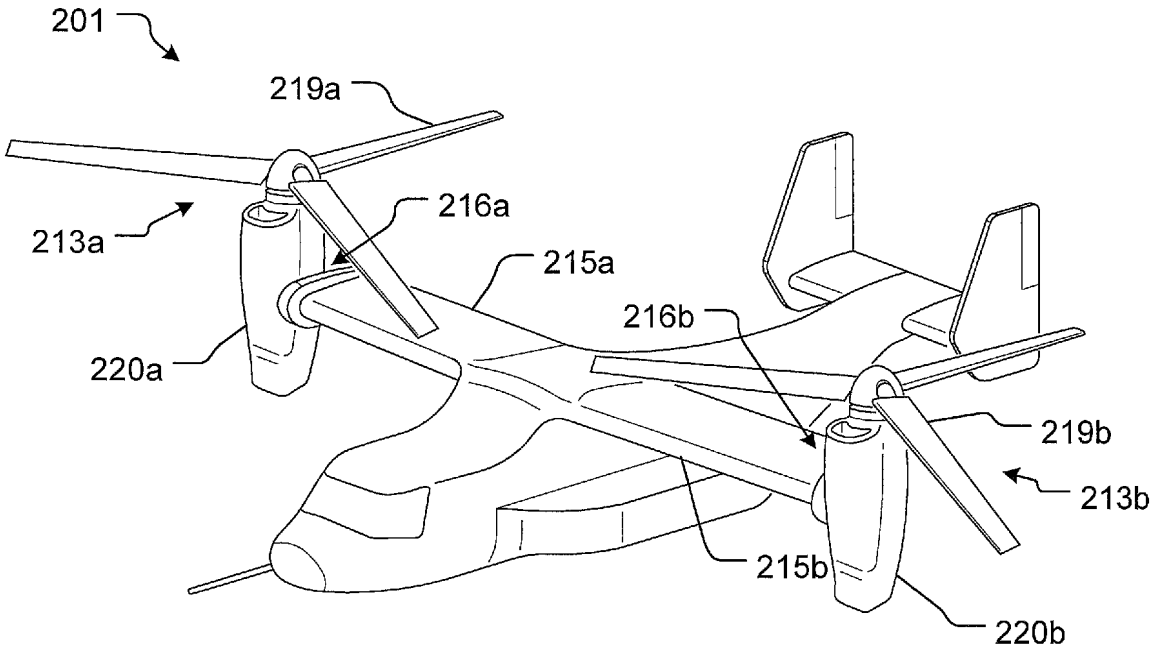

101
105
107
103

FIG. 1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216a
215a
216b
220a
219b
213b
215b
220b

FIG. 2

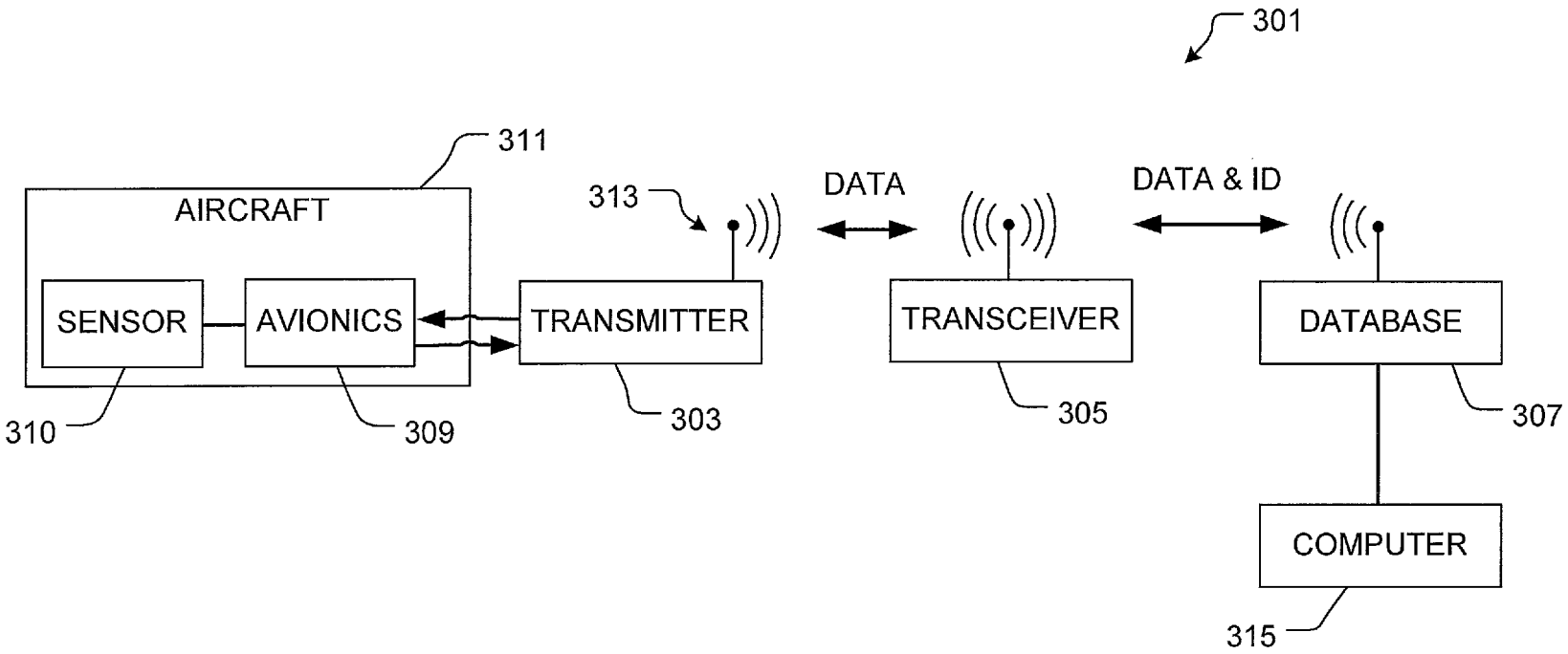
301
311
AIRCRAFT
313
DATA
DATA & ID
SENSOR
AVIONICS
TRANSMITTER
TRANSCEIVER
DATABASE
310
309
303
305
307
COMPUTER
315

FIG. 3

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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	AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA

As the below named inventor, I hereby declare that:

This declaration is directed to:

- [■] The attached application, or
- [ ] United States application or PCT international application number _____

filed on _____.

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

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

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

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LEGAL NAME OF INVENTOR

Inventor: William D. Girard Date (Optional): 7/22/2013

Signature: William D. Girard

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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	AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA

As the below named inventor, I hereby declare that:

This declaration is directed to:

- [■] The attached application, or
- [ ] United States application or PCT international application number _____

  filed on _____.

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

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

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

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LEGAL NAME OF INVENTOR

Inventor: Brian E. Tucker Date (Optional): 22-JULY-2013

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.

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COMPLETE IF KNOWN	
Application Number	
Filing Date	
First Named Inventor	William D. Girard
Attorney Docket Number	0837RF-12-139
Title (Required)	AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA

The undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the above-identified patent application is filed access to the above-identified patent application. See 37 CFR 1.14(c) and (h).

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James E. Walton	817-447-9955
Printed or Typed Name	Telephone Number
Attorney for Applicants	47,245
Title	Registration Number, if applicable

This collection of information is required by 37 CFR 1.14(h). 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 6 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.

PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number: 13/951,900

APPLICATION AS FILED - PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	SMALL ENTITY RATE($)	SMALL ENTITY FEE($)	OR	OTHER THAN SMALL ENTITY RATE($)	OTHER THAN SMALL ENTITY FEE($)
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A			N/A	280
SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A			N/A	600
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A			N/A	720
TOTAL CLAIMS (37 CFR 1.16(i))	20 minus 20 =	*			OR	x 80 =	0.00
INDEPENDENT CLAIMS (37 CFR 1.16(h))	3 minus 3 =	*				x 420 =	0.00
APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).						0.00
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))							0.00
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL			TOTAL	1600

APPLICATION AS AMENDED - PART II

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

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

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

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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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
13/951,900	07/26/2013	2649	1600	0837RF-12-139	20	3

CONFIRMATION NO. 5290

38441
LAW OFFICES OF JAMES E. WALTON, PLLC
1169 N. BURLESON BLVD.
SUITE 107-328
BURLESON, TX 76028

FILING RECEIPT

OC000000063021262

Date Mailed: 08/08/2013

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)

William D. Girard, Euless, TX;
Brian E. Tucker, Fort Worth, TX;

Applicant(s)

BELL HELICOPTER TEXTRON INC., Fort Worth, TX

Power of Attorney: The patent practitioners associated with Customer Number 38441

Domestic Applications for which benefit is claimed - None.
A proper domestic benefit claim must be provided in an Application Data Sheet in order to constitute a claim for domestic benefit. See 37 CFR 1.76 and 1.78.

Foreign Applications for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see http://www.uspto.gov for more information.) - None.
Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

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

If Required, Foreign Filing License Granted: 08/02/2013
The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 13/951,900**
Projected Publication Date: 01/29/2015
Non-Publication Request: No
Early Publication Request: No

Title

AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA

Preliminary Class

455

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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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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UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
13/951,900	07/26/2013	William D. Girard	0837RF-12-139

CONFIRMATION NO. 5290

38441
LAW OFFICES OF JAMES E. WALTON, PLLC
1169 N. BURLESON BLVD.
SUITE 107-328
BURLESON, TX 76028

POA ACCEPTANCE LETTER

OC000000063021152

Date Mailed: 08/08/2013

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 07/26/2013.

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.

/atesfai/

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

PTO/SB/08a (01-10)
Approved for use through 07/31/2012. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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

Application Number	13951900
Filing Date	2013-07-26
First Named Inventor	WILLIAM D. GIRARD
Art Unit	2649
Examiner Name	
Attorney Docket Number	0837RF-12-139

U.S.PATENTS

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	7755890		2010-07-13	Rui et al.	
	2	7769501		2010-08-03	Lusardi et al.	
	3	8364328		2013-01-29	Hedrick	

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

U.S.PATENT APPLICATION PUBLICATIONS

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	20070264953		2007-11-15	Srinivasan et al.	
	2	20080228330		2008-09-18	Srinivasan et al.	
	3	20100105329		2010-04-29	Durand et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	13951900
	Filing Date	2013-07-26
	First Named Inventor	WILLIAM D. GIRARD
	Art Unit	2649
	Examiner Name	
	Attorney Docket Number	0837RF-12-139

	4	20110313645		2011-12-22	Shukla	

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

FOREIGN PATENT DOCUMENTS

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

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

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]
	1		☐

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

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	13951900
	Filing Date	2013-07-26
	First Named Inventor	WILLIAM D. GIRARD
	Art Unit	2649
	Examiner Name	
	Attorney Docket Number	0837RF-12-139

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	/jamesewaltonpat/	Date (YYYY-MM-DD)	2013-10-03
Name/Print	James E. Walton	Registration Number	47245

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.**

Electronic Acknowledgement Receipt

EFS ID:	17030876
Application Number:	13951900
International Application Number:	
Confirmation Number:	5290
Title of Invention:	AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA
First Named Inventor/Applicant Name:	William D. Girard
Customer Number:	38441
Filer:	James Edward Walton
Filer Authorized By:	
Attorney Docket Number:	0837RF-12-139
Receipt Date:	03-OCT-2013
Filing Date:	26-JUL-2013
Time Stamp:	14:09:36
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		IDS20131003.pdf	449186 a9aac425cfc746da6b61a5737526c0e547df0bf3	yes	7

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Miscellaneous Incoming Letter	1	2
	Transmittal Letter	3	4
	Information Disclosure Statement (IDS) Form (SB08)	5	7
Warnings:			
Information:			
	Total Files Size (in bytes):	449186	

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

Attorney Docket No. **0837RF-12-139**

In Re Application of:	§	Examiner: **TO BE ASSIGNED**
WILLIAM D. GIRARD	§	
Serial No: **13/951,900**	§	Art Unit: **2649**
Filed: **26 JULY 2013**	§	
For: **AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA**	§	Confirmation No. **5290**

TRANSMITTAL

Filed via EFS-Web
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

Please file the following enclosed documents in the subject application:

1. This Transmittal with Certificate of Transmission;
2. Information Disclosure Statement; and
3. Form PTO/SB/08a, along with non-patent literature documents.

CERTIFICATE OF TRANSMISSION UNDER 37 C.F.R. § 1.8(a)(1)(i)(C)

Date of Transmission: 10/3/13

I hereby certify that this correspondence is being transmitted to the U.S. Patent and Trademark Office (USPTO) via the USPTO electronic filing system (EFS-Web) on the date shown above.

By: James E. Walton
James E. Walton

The above-listed documents are being filed via the U.S. Patent and Trademark Office EFS-Web System electronic filing system. No fees are deemed to be necessary; however, the undersigned hereby authorizes the Commissioner to charge any additional fees that may be required, or credit any overpayments, to **Deposit Account No. 502806**.

Respectfully submitted,

10/3/13
Date

James E. Walton
Reg. No. 47,245
Law Offices of James E. Walton, P.L.L.C.
1169 N. Burleson Blvd., Suite 107-328
Burleson, Texas 76028
(817) 447-9955 (Voice)
(817) 447-9954 (Fax)
jim@waltonpllc.com (Email)

CUSTOMER NO. 38441

ATTORNEY FOR APPLICANTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No. **0837RF-12-139**

In Re Application of:	§	Examiner: **TO BE ASSIGNED**
WILLIAM D. GIRARD	§	
Serial No: **13/951,900**	§	Art Unit: **2649**
Filed: **26 JULY 2013**	§	
For: **AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA**	§	Confirmation No. **5290**

INFORMATION DISCLOSURE STATEMENT

Filed via EFS-Web
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

Filed herewith is a Form PTO/SB/08a listing references that may be material to the patentability of the invention disclosed and claimed in the subject application. This submission is made pursuant to 37 C.F.R. §§ 1.56 and 1.97(b). This Information Disclosure Statement is being filed under 37 C.F.R. § 1.97(b)(1) within 3 months of the filing date of the present application.

CERTIFICATE OF TRANSMISSION UNDER 37 C.F.R. § 1.8(a)(1)(i)(C)
Date of Transmission: 10/3/13
I hereby certify that this correspondence is being transmitted to the U.S. Patent and Trademark Office (USPTO) via the USPTO electronic filing system (EFS-Web) on the date shown above.
By: James E. Walton James E. Walton

The filing of this Information Disclosure Statement shall not be construed to be a representation that a search has been conducted, nor shall it be construed as an admission that the information cited in the statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

This Information Disclosure Statement is being filed via the U.S. Patent and Trademark Office EFS-Web System electronic filing system. No fees are deemed to be necessary; however, the undersigned hereby authorizes the Commissioner to charge any additional fees that may be required, or credit any overpayments, to **Deposit Account No. 502806**.

Please link this application to Customer No. 38441, so that its status may be accessed via the PAIR System.

Respectfully submitted,

10/3/13
Date

James E. Walton
Reg. No. 47,245
Law Offices of James E. Walton, P.L.L.C.
1169 N. Burleson Blvd., Suite 107-328
Burleson, Texas 76028
(817) 447-9955 (Voice)
(817) 447-9954 (Fax)
jim@waltonpllc.com (Email)

CUSTOMER NO. 38441

ATTORNEY FOR APPLICANTS

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
13/951,900	07/26/2013	William D. Girard	0837RF-12-139

CONFIRMATION NO. 5290

38441
LAW OFFICES OF JAMES E. WALTON, PLLC
1169 N. BURLESON BLVD.
SUITE 107-328
BURLESON, TX 76028

PUBLICATION NOTICE

OC000000073102793

Title:AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA

Publication No.US-2015-0032296-A1
Publication Date:01/29/2015

NOTICE OF PUBLICATION OF APPLICATION

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

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

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

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

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

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/951,900	07/26/2013	William D. Girard	0837RF-12-139	5290

38441 7590 06/16/2015

LAW OFFICES OF JAMES E. WALTON, PLLC
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BURLESON, TX 76028

EXAMINER	
MAWARI, REDHWAN K	

ART UNIT	PAPER NUMBER
3665	

NOTIFICATION DATE	DELIVERY MODE
06/16/2015	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):

JIM@WALTONPLLC.COM

Office Action Summary	Application No. 13/951,900	Applicant(s) GIRARD ET AL.	
	Examiner REDHWAN k. MAWARI	Art Unit 3665	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 *07/26/2013*.

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

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

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

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

Disposition of Claims*

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

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

6)☐ Claim(s) _____ is/are allowed.

7)☒ Claim(s) *1-20* is/are rejected.

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

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

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

Application Papers

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

11)☒ The drawing(s) filed on *07/26/2013* 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: _____.

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

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. 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.

2. Claim 1 is rejected under 35 U.S.C. 102 a(1) as being anticipated by Meisels (2012/0053777).

Regarding claim 1, Meisels discloses an aircraft, comprising:

a sensor (see at least paragraph [0020]);

an avionics system associated with the sensor (see at least paragraph [0018, 0020, 0021]);

a wireless transmitter in data communication with the avionics system (see at least paragraph [0020] and FIG. 1);

wherein the avionics system is configured to monitor aircraft flight performance data from the sensor (see at least paragraph [0020]); and

wherein the wireless transmitter is configured to wirelessly transmit aircraft flight performance data to the wireless database (see at least paragraph [0020, 0021] and FIG. 1).

Claim Rejections - 35 USC § 103

1. 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.

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

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

a. Claims 2, 3, 4 and 17 are rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view of Torres (2013/0141572).

Regarding claim 2, Meisels does not explicitly disclose a wireless transceiver in data communication with the wireless transmitter; wherein the wireless transceiver is configured to receive and transmit aircraft flight performance data to the wireless database.

Torres teaches a wireless transceiver in data communication with the wireless transmitter; wherein the wireless transceiver is configured to

receive and transmit aircraft flight performance data to the wireless database (see at least FIG. 2, FIG. 3).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Torres into the invention of Meisels for the purpose of increasing the safety of the aircraft.

Regarding claim 3, Torres teaches wherein the wireless transceiver is portable (see at least paragraph [0033], FIG. 1).

Regarding claims 4, Torres teaches wherein the wireless transceiver is a smartphone (see at least paragraph [0033], FIG. 1).

Regarding claim 17, Meisels discloses a method to monitor aircraft flight performance data, comprising:

sensing flight performance data with a sensor;

transmitting sensed flight performance data to a wireless transmitter;

wirelessly transmitting the sensed flight performance data to a wireless database (see at least FIG. 1 and paragraph [0020]);

Meiseles does not explicitly disclose monitoring flight performance data with a display operably associated with the wireless database

and

Torres teaches monitoring flight performance data with a display operably associated with the wireless database (see at least FIG. 10A, paragraph [0116]).

b. Claim 5 is rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view of Torres (2013/0141572) and further in view of Colin (8,280,741).

Regarding claim 5, Meisels in view of Torres does not explicitly disclose wherein the wireless transceiver is configured to transmit pilot identification to the wireless database.

Colin teaches wherein the wireless transceiver is configured to transmit pilot identification to the wireless database (see at least claim 1).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Colin into the invention of Meisels in view of Torres for the purpose of securing the reception of the data.

c. Claims 6 and 7 are rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view of Torres (2013/0141572) and further in view of Hedrick (2012/0265372).

Regarding claim 6, Meisels in view of Torres does not explicitly disclose wherein the wireless transceiver is configured to upload data to the avionics system via the wireless transmitter.

Hedrick teaches wherein the wireless transceiver is configured to upload data to the avionics system via the wireless transmitter (see at least abstract, FIG. 1, paragraph [0009]).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Hedric into the invention of Meisels in view of Torres for the purpose of accurately and promptly read and enter data.

Regarding claim 7, Hedrick teaches wherein the uploaded data is a flight planning data (see at least abstract, paragraph [0009]).

d. Claims 8 and 9 are rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view of Torres (2013/0141572) and further in view of Starkey (2012/0265372).

Regarding claim 8, Meisels in view of Torres does teach wherein the wireless transmitter removably attaches to the wireless transceiver.

Starkey teaches wherein the wireless transmitter removably attaches to the wireless transceiver (see at least paragraph [0011]).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Starkey into the invention of Meisels in view of Torres for the

purpose of being able to switch or upgrades without making major changes to the system.

Regarding claim 9, Starkey teaches wherein the wireless transmitter removably attaches to the avionics system (see at least paragraph [0011]).

e. Claims 10 and 18 are rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view of Wright (6,167,239).

Regarding claim 10, Meisels does not explicitly disclose wherein the wireless transceiver is configured to receive and store aircraft flight performance data.

Wright teaches wherein the wireless transceiver is configured to receive and store aircraft flight performance data (see at least abstract).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Wright into the invention of Meisels for the purpose of being able to accurately detect any malfunction an early stage.

Regarding claim 18, Wright teaches wirelessly transmitting the sensed data to a wireless transceiver operably associated with the database (see at least abstract).

f. Claim 11 is rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view of Durand (2010/0105329).

Regarding claim 11, Meisels discloses an aircraft flight performance monitoring system (see at least paragraph [0020]); transmitting data to a wireless database (see at least FIG. 1).

Meisels does not explicitly disclose a wireless transmitter in data communication with an avionics system of the aircraft;
a portable wireless transceiver associated with the wireless transmitter; and a wireless database associated with the wireless transmitter; wherein the wireless transmitter is configured to receive and transmit flight performance data from the avionics system to the portable wireless transceiver.

Durand teaches a wireless transmitter in data communication with an avionics system of the aircraft;
a portable wireless transceiver associated with the wireless transmitter; and a wireless database associated with the wireless transmitter; wherein the wireless transmitter is configured to receive and transmit flight performance data from the avionics system to the portable wireless transceiver (see at least abstract).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Durand into the invention of Meisels for the purpose of being able to have access to the performance data during critical phases of flight.

g. Claims 12 and 13 are rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view of Durand (2010/0105329) and further in view of Starkey (2012/0265372).

Regarding claim 12, Starkey teaches wherein the wireless transmitter removable attaches to the avionics system (see at least paragraph [0011]).

Regarding claim 13, Starkey teaches wherein the wireless transceiver is configured to receive the wireless transmitter (see at least paragraph [0011]).

h. Claims 14 and 16 are rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view of Durand (2010/0105329) and further in view Torres (2013/0141572).

Regarding claims 14, Torres teaches wherein the wireless transceiver is a smartphone (see at least paragraph [0033], FIG. 1).

Regarding claim 16, Torres teaches a monitor conductively coupled to the wireless database; wherein the monitor provides viewing access of flight performance data (see at least FIG. 10A, paragraph [0116]).

i. Claims 15 and 19 are rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view of Durand (2010/0105329) and further in view of Colin (8,280,741).

Regarding claim 15, Meisles in view of Durand does not explicitly disclose wherein the portable wireless transceiver transmits pilot identification information to the wireless database.

Colin teaches wherein the portable wireless transceiver transmits pilot identification information to the wireless database (see at least claim 1).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Colin into the invention of Meisels for the purpose of being able to secure the reception of data transmitted from aircraft.

Regarding claim 19, Colin teaches wirelessly transmitting pilot information to the database via the wireless transceiver (see at least claim 1).

j. Claim 20 is rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view Torres (2013/0141572) and further in view of Starkey (2012/0265372).

Regarding claim 20, Starkey teaches removably attaching the wireless transmitter to the wireless transceiver (see at least paragraph [0011]).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Redhwan Mawari whose telephone number is 571 270 1535. The examiner can normally be reached on 7:30 AM - 5PM Mon-Fri Eastern Alt Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Nguyen can be reached on 571 272 6952. 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.

/REDHWAN k MAWARI/

Primary Examiner, Art Unit 3665

Notice of References Cited	Application/Control No. 13/951,900	Applicant(s)/Patent Under Reexamination GIRARD ET AL.	
	Examiner REDHWAN k. MAWARI	Art Unit 3665	Page 1 of 2

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-6,408,259 B1	06-2002	Goebel et al.	702/183
*	B	US-2002/0131730 A1	09-2002	Keeble et al.	385/92
*	C	US-2002/0140574 A1	10-2002	Starkey et al.	340/870.16
*	D	US-2004/0148088 A1	07-2004	Davis et al.	701/123
*	E	US-2005/0026609 A1	02-2005	Brinkley et al.	455/431
*	F	US-2007/0264953 A1	11-2007	Srinivasan et al.	455/186.1
*	G	US-2008/0228330 A1	09-2008	Srinivasan et al.	701/3
*	H	US-2010/0105329 A1	04-2010	DURAND et al.	455/41.2
*	I	US-7,755,890 B2	07-2010	Rui et al.	361/679.55
*	J	US-7,769,501 B2	08-2010	Lusardi et al.	701/3
*	K	US-2011/0313645 A1	12-2011	Shukla, Vijay	701/120
*	L	US-2012/0053777 A1	03-2012	Meisels et al.	701/29.1
*	M	US-8,280,741 B2	10-2012	Colin et al.	704/275

FOREIGN PATENT DOCUMENTS

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

NON-PATENT DOCUMENTS

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

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

Notice of References Cited	Application/Control No. 13/951,900	Applicant(s)/Patent Under Reexamination GIRARD ET AL.	
	Examiner REDHWAN k. MAWARI	Art Unit 3665	Page 2 of 2

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-2012/0265372 A1	10-2012	Hedrick, Geoffrey S.M.	701/3
*	B	US-2013/0141572 A1	06-2013	Torres et al.	348/143
*	C	US-2015/0032296 A1	01-2015	Girard et al.	701/3
	D	US-			
	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	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

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	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
	13951900	GIRARD ET AL.
	Examiner	Art Unit
	REDHWAN k MAWARI	3665

CPC- SEARCHED		
Symbol	Date	Examiner
H04L67/12 OR H04L67/06 OR H04L29/08558 OR H04L67/14 OR H04L67/18 OR H04L67/325	6/1/2015	R.M

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
701	3,14,120,10,100,123,2,29.1	6/1/2015	R.M

SEARCH NOTES		
Search Notes	Date	Examiner
see east search	6/1/2015	R.M

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

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number	13951900
Filing Date	2013-07-26
First Named Inventor	WILLIAM D. GIRARD
Art Unit	2649
Examiner Name	
Attorney Docket Number	0837RF-12-139

U.S.PATENTS

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	7755890		2010-07-13	Rui et al.	
	2	7769501		2010-08-03	Lusardi et al.	
	3	8364328		2013-01-29	Hedrick	

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

U.S.PATENT APPLICATION PUBLICATIONS

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	20070264953		2007-11-15	Srinivasan et al.	
	2	20080228330		2008-09-18	Srinivasan et al.	
	3	20100105329		2010-04-29	Durand et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /R.M./

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	13951900
	Filing Date	2013-07-26
	First Named Inventor	WILLIAM D. GIRARD
	Art Unit	2649
	Examiner Name	
	Attorney Docket Number	0837RF-12-139

	4	20110313645		2011-12-22	Shukla	

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

FOREIGN PATENT DOCUMENTS

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

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NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]
	1		☐

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

EXAMINER SIGNATURE

Examiner Signature	/Redhwan Mawari/	Date Considered	06/01/2015

*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. /R.M./

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	13951900
	Filing Date	2013-07-26
	First Named Inventor	WILLIAM D. GIRARD
	Art Unit	2649
	Examiner Name	
	Attorney Docket Number	0837RF-12-139

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	/jamesewaltonpat/	Date (YYYY-MM-DD)	2013-10-03
Name/Print	James E. Walton	Registration Number	47245

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. /R.M./

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	18	(US-20150032296-$ or US-20100105329-$ or US-20080228330-$ or US-20070264953-$ or US-20110313645-$ or US-20050026609-$ or US-20120053777-$ or US-20130141572-$ or US-20120265372-$ or US-20020140574-$ or US-20020131730-$ or US-20040148088-$).did. or (US-8364328-$ or US-7769501-$ or US-7755890-$ or US-6408259-$ or US-8280741-$).did. or (US-6167239-$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2015/06/01 06:34
L2	35	(US-20150032296-$ or US-20100105329-$ or US-20080228330-$ or US-20070264953-$ or US-20110313645-$ or US-20050026609-$ or US-20120053777-$ or US-20130141572-$ or US-20120265372-$ or US-20020140574-$ or US-20020131730-$ or US-20040148088-$).did. or (US-8364328-$ or US-7769501-$ or US-7755890-$ or US-6408259-$ or US-8280741-$).did. or (US-6167239-$).did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/06/01 06:35
L3	278911	((H04L67/12 OR H04L67/06 OR H04L29/08558 OR H04L67/14 OR H04L67/18 OR H04L67/325 OR H04L67/36 OR H04L2012/4028 OR H04L29/08117 OR H04L29/08576 OR H04L29/08657 OR H04L29/08963 OR H04L29/0899 OR H04L67/04 OR H04L67/34 OR H04B7/18506 OR H04B1/3877 OR H04B7/18502 OR G01C23/00 OR G06F1/1632 OR G06F8/61 OR G08G5/065 OR G08G5/0013 OR G08G5/0034 OR G08G5/0043 OR B60C23/0413 OR B60C23/0433 OR B60C23/0452 OR B60C23/0461 OR B60C23/0479 OR B60C23/0493 OR G02B6/3897 OR G02B6/4201 OR G02B6/423 OR G02B6/4246 OR G02B6/4277 OR G02B6/4292 OR G05B23/0232 OR G05B23/0297 OR G07C3/00 OR G07C5/00 OR G07C5/006 OR G07C5/008).CPC. OR (701/3 OR 701/14 OR 701/120 OR 701/10 OR 701/100 OR 701/123 OR 701/2 OR 701/29.1 OR 701/30.8 OR 701/31.4 OR 701/31.5 OR 701/32.1 OR 701/32.4 OR 701/33.2 OR 701/4 OR 455/41.2 OR 455/431 OR 455/186.1 OR 455/66.1 OR 455/419 OR	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/06/01 06:35

		455/41.1 OR 455/426.2 OR 455/67.11 OR 455/67.13 OR 455/67.16 OR 340/945 OR 340/870.16 OR 340/971 OR 340/973 OR 345/169 OR 345/633 OR 345/204 OR 345/205 OR 348/E7.085 OR 348/143 OR 348/837).CCLS.)				
S1	1	"13951900"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 07:31
S2	2	"7755890".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 07:39
S3	3	"7769501".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 07:39
S4	3	"8364328".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 07:39
S5	2	("20070264953").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 07:40
S6	2	("20080228330").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 07:40
S7	3	("20100105329").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 07:40
S8	2	("20110313645").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	2015/05/27 07:44

			IBM_TDB			
S9	22	avionic and sensor and wireless and transmitter and receiver and flight and transmit$3 and database	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 08:47
S10	8	(US-20150032296-$ or US-20100105329-$ or US-20080228330-$ or US-20070264953-$ or US-20110313645-$).did. or (US-8364328-$ or US-7769501-$ or US-7755890-$).did.	US-PGPUB; USPAT	OR	OFF	2015/05/27 08:50
S11	0	S9 and S10	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 08:50
S12	1	"7456756".pn.	US-PGPUB; USPAT	OR	OFF	2015/05/27 08:54
S13	0	("200500026609").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 08:56
S14	3	("20050026609").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 08:56
S15	4	("2010/0105329").URPN.	USPAT	OR	OFF	2015/05/27 09:04
S16	4	("2010/0105329").URPN.	USPAT	OR	OFF	2015/05/27 09:04
S17	37	avionic and sensor and transmitter and receiver and flight and transmit$3 and database	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 09:22
S20	20	monitor$3 with performance with sensor and transmit$4 with database and aircraft and (mobile or PDA or portable)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 09:39
S21	2	"12872283"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	2015/05/27 14:09

			IBM_TDB			
S22	2413	air$craft and (smart$4 near2 phone)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/28 06:44
S23	4	air$craft and ((smart$4 near2 phone) same transmit$4 with performance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/28 06:44
S24	0	("20120265372").PN.	USPAT; USOCR	OR	OFF	2015/05/28 07:21
S25	2	("20120265372").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/28 07:21
S26	0	(12/717859).APP.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/28 12:22
S27	32	monitor$3 with performance with sensor and transmit$4 with database and aircraft	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/28 13:59
S28	1	"13984410"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/28 21:51
S29	146	monitor$3 with performance with sensor and transmit$4 with database	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/29 05:32
S30	146	monitor$3 with performance with sensor and transmit$4 with database	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/29 07:52
S31	146	monitor$3 with performance with sensor	US-PGPUB;	OR	OFF	2015/05/29

		and transmit$4 with database	USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			09:57
S32	0	transmitter with removably with attached with trasceiver	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/31 13:39
S33	6	transmitter with removably with attached with transceiver	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/31 13:39
S34	28	transmitter with removably with transceiver	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/31 13:41
S35	0	transmitter with removabl$3 with attached with avionics	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/31 13:50
S36	0	transmitter with removabl$3 with attached with avionics	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/31 13:51
S37	2	transmitter with removabl$3 with avionics	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/31 13:51
S38	122	transceiver with stor$4 with performance near3 (data or information)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/31 13:56
S39	3	transmit$4 with pilot near5 identification with database	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	2015/05/31 14:02

			IBM_TDB			

EAST Search History (Interference)

< This search history is empty>

6/ 1/ 2015 6:45:03 AM
C:\ Users\ rmawari\ Documents\ EAST\ Workspaces\ 13951900.wsp

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	13951900	GIRARD ET AL.
	Examiner	Art Unit
	REDHWAN k MAWARI	3665

✓	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	06/01/2015								
	1	✓								
	2	✓								
	3	✓								
	4	✓								
	5	✓								
	6	✓								
	7	✓								
	8	✓								
	9	✓								
	10	✓								
	11	✓								
	12	✓								
	13	✓								
	14	✓								
	15	✓								
	16	✓								
	17	✓								
	18	✓								
	19	✓								
	20	✓								

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No. **0837RF-12-139**

In Re Application of:	§	Examiner: **MAWARI, REDHAWN K.**
WILLIAM D. GIRARD	§	
Serial No: **13/951,900**	§	Art Unit: **3665**
Filed: **26 JULY 2013**	§	
For: **AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA**	§	Confirmation No. **5290**

AMENDMENT

Filed via EFS-Web
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This Amendment is being filed in response to the Office Action dated 16 June 2015, which provides for a three-month response period ending 16 September 2015.

Please enter the following amendments and consider the following remarks.

CERTIFICATE OF TRANSMISSION UNDER 37 C.F.R. § 1.8(a)(1)(i)(C)
Date of Transmission: 9/14/15
I hereby certify that this correspondence is being transmitted to the U.S. Patent and Trademark Office (USPTO) via the USPTO electronic filing system (EFS-Web) on the date shown above.
By: James E. Walton James E. Walton

IN THE CLAIMS:

The following is a complete listing of the claims and replaces all prior versions and listings of claims in the subject application. Please amend the claims as follows:

1. **(Currently Amended)** An aircraft, comprising:

a sensor configured to sense flight performance of the aircraft during flight;

an avionics system associated with the sensor;

a database in data communication with the sensor and the avionics system, the database being configured to store information relating to a pilot flying the aircraft during flight and the flight performance of the aircraft during flight; and

a wireless transmitter in data communication with the avionics system and the database;

wherein the avionics system is configured to monitor aircraft flight performance data from the sensor; and

wherein the wireless transmitter is configured to wirelessly transmit aircraft flight performance data and the pilot information to [[the]] an external wireless database for monitoring.

2. **(Original)** The aircraft of claim 1, further comprising:

a wireless transceiver in data communication with the wireless transmitter;

wherein the wireless transceiver is configured to receive and transmit aircraft flight performance data to the wireless database.

3. **(Original)** The aircraft of claim 2, wherein the wireless transceiver is portable.

4. **(Original)** The aircraft of claim 3, wherein the wireless transceiver is a smartphone.

5. **(Canceled)**.

6. **(Original)** The aircraft of claim 2, wherein the wireless transceiver is configured to upload data to the avionics system via the wireless transmitter.

7. **(Original)**The aircraft of claim 6, wherein the uploaded data is a flight planning data.

8. **(Original)**The aircraft of claim 2, wherein the wireless transmitter removably attaches to the wireless transceiver.

9. **(Original)**The aircraft of claim 1, wherein the wireless transmitter removably attaches to the avionics system.

10. **(Original)**The aircraft of claim 1, wherein the wireless transceiver is configured to receive and store aircraft flight performance data.

11. **(Currently Amended)** An aircraft flight performance monitoring system, comprising:

a wireless transmitter in data communication with an avionics system of the aircraft;

a portable wireless transceiver associated with the wireless transmitter;

a database in data communication with the avionics system, the database being configured to store information relating to a pilot flying the aircraft during flight and the flight performance of the aircraft during flight; and

an external wireless database associated with the [[wireless transmitter]] the database;

wherein the wireless transmitter is configured to receive and transmit flight performance data from the avionics system to the portable wireless transceiver, which in turn is transmitted to the wireless database.

12. **(Original)** The system of claim 11, wherein the wireless transmitter removable attaches to the avionics system.

13. **(Original)** The system of claim 12, wherein the wireless transceiver is configured to receive the wireless transmitter.

14. **(Original)** The system of claim 11, wherein the portable wireless transceiver is a smartphone.

15. **(Canceled)**.

16. **(Original)** The system of claim 11, further comprising:

a monitor conductively coupled to the wireless database;

wherein the monitor provides viewing access of flight performance data.

17. **(Currently Amended)** A method to monitor aircraft flight performance data, comprising:

obtaining and storing pilot information in a database

sensing flight performance data with a sensor;

transmitting sensed flight performance data to [[a wireless transmitter]] the database;

wirelessly transmitting the sensed flight performance data to [[a]] an external wireless database; and

monitoring flight performance data with a display operably associated with the wireless database.

18. **(Original)** The method of claim 17, further comprising:

wirelessly transmitting the sensed data to a wireless transceiver operably associated with the database.

19. **(Original)** The method of claim 18, further comprising:

wirelessly transmitting pilot information to the database via the wireless transceiver.

20. **(Original)** The method of claim 18, further comprising:

removably attaching the wireless transmitter to the wireless transceiver.

REMARKS:

Claims 1-20 are pending in the present Application. By this amendment, Claims 5 and 15 are hereby canceled.

Claim 1 stands rejected under 35 U.S.C. § 102(b) as being anticipated by Meisels (US 2012/0053777). Claims 2, 3, 4, and 17 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Torres (US 2013/0141572). Claim 5 stands rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Torres and further in view of Colin (US 8280741). Claims 6 and 7 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Torres and further in view of Hedrick (US 2012/0265372). Claims 8 and 9 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Torres and further in view of Starkey (US 2012/0265372). Claims 10 and 18 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Wright (US 6167239). Claim 11 stands rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Durand (US 2010/0105329). Claims 12 and 13 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Durand and further in view of Starkey (US 2012/0265372). Claims 14 and 16 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Durand and further in view of Torres (US 2013/0141572). Claims 14 and 16 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Durand and further in view of Colin (US 8,280,741). Claim 20 stands rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Durand and further in view of Starkey.

In view of the following comments, allowance of all the claims pending in the application is respectfully requested.

In the Claims:

The Applicants submit that the foregoing amendments add no new matter to the application.

Rejections Under 35 U.S.C. § 102(b) and 103(a):

The claims stand rejected for the reasons outlined above under both 35 U.S.C. § 102(b) and 103(a).

The Applicants respectfully traverse these rejections for at least the following reasons.

The art most relevant to the present application, and used as a base for rejection under 103(a) is Meisels.

Independent Claims 1, 11, and 17 are hereby amended to include the following features: (1) a database in communication with the sensor and the avionics system; and (2) wherein the database is configured to obtain and store pilot information and flight performance of the aircraft during flight. Such features are desired and discussed in detail in the disclosure as being a method to monitor the pilot's performance for training.

It comparison to the cited references, it is believed that the art fails to disclose or teach the features hereby amended in the present claims.

Meisels (US 2012/0053777)

FIG. A below is taken from FIG. 1 of Meisels and illustrates an apparatus for detecting inadequate maintenance of a system.

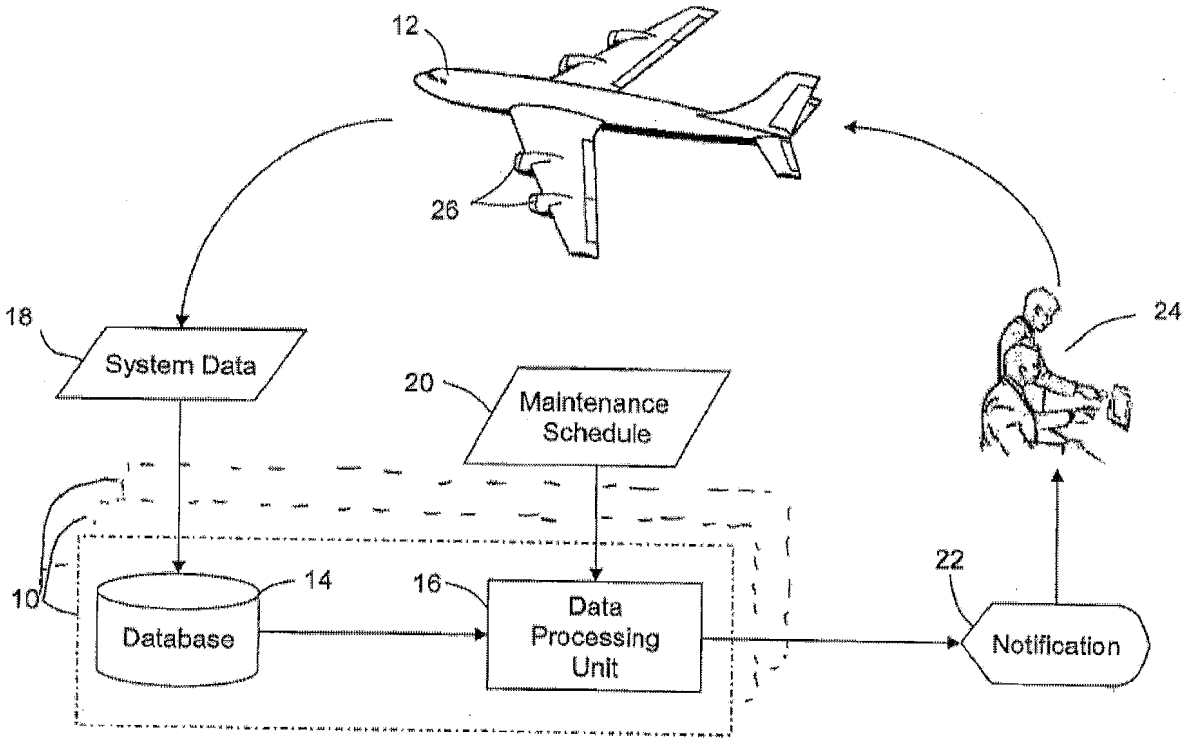

FIG. 1

FIG. A: the Meisels device, as taken from FIG. 1 of Meisels.

It should be noted that the Meisels device is not adapted to perform the features (1) and (2) discussed above. The Meisels device does not include a database and system configured to monitor the flight performance of the aircraft and to store information about the pilot. Accordingly, the Applicant submits that the art fails to disclose or teach the features of the base claims.

The remaining art, although relevant, does not teach the defects found in Meisels. Specifically, the art does not disclose or teach a database and system configured to monitor the flight performance of the aircraft and to store information about the pilot.

Accordingly, the Applicant submits that the combination of art fails to disclose or teach the features (1) and (2) hereby amended to the claims.

In view of the foregoing amendments and remarks, the Applicants request that the present 102 and 103 rejections be reconsidered, withdrawn, and that the pending claims be placed in condition for allowance.

Distinctions, Other Than Those Discussed, May Exist:

It should be noted that the Applicant has merely discussed example distinctions from the references cited by the Examiner. Other distinctions may exist and Applicant reserves the right to discuss these additional distinctions in a future Response or on Appeal. By not responding to the additional statements made by the Examiner, the Applicant does not acquiesce to the Examiner's additional statements. The remarks provided above are believed sufficient to overcome the present rejections.

CONCLUSION:

The Applicant submits that the subject application is now considered to be in condition for allowance, and an early reconsideration and issuance of a Notice of Allowance are earnestly solicited. The Examiner is invited to contact the undersigned at (817) 447-9955 with any questions, comments, or suggestions relating to the referenced patent application.

This Amendment is being filed via the U.S. Patent and Trademark Office's EFS-Web electronic filing system. No fees are deemed to be necessary; however, the Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayments, to **Deposit Account No. 502806**.

Respectfully submitted,

9/14/15
Date

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CUSTOMER NO. 38441

ATTORNEY FOR APPLICANT

Electronic Acknowledgement Receipt

EFS ID:	23484664
Application Number:	13951900
International Application Number:	
Confirmation Number:	5290
Title of Invention:	AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA
First Named Inventor/Applicant Name:	William D. Girard
Customer Number:	38441
Filer:	James Edward Walton
Filer Authorized By:	
Attorney Docket Number:	0837RF-12-139
Receipt Date:	14-SEP-2015
Filing Date:	26-JUL-2013
Time Stamp:	16:03:21
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		Amendment20150914.pdf	750167 9ba05c845c075fd0dafed946761c71f845f5f8e4	yes	12

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Miscellaneous Incoming Letter	1	2
	Amendment/Req. Reconsideration-After Non-Final Reject	3	12
Warnings:			
Information:			
	Total Files Size (in bytes):	750167	

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

Attorney Docket No. **0837RF-12-139**

In Re Application of:	§	Examiner: **MAWARI, REDHAWN K.**
WILLIAM D. GIRARD	§	
Serial No: **13/951,900**	§	Art Unit: **3665**
Filed: **26 JULY 2013**	§	
For: **AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA**	§	Confirmation No. **5290**

TRANSMITTAL

Filed via EFS-Web
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

Please file the following enclosed documents in the subject application:

1. This Transmittal with Certificate of Transmission; and
2. Amendment.

CERTIFICATE OF TRANSMISSION UNDER 37 C.F.R. § 1.8(a)(1)(i)(C)

Date of Transmission: 9/14/15

I hereby certify that this correspondence is being transmitted to the U.S. Patent and Trademark Office (USPTO) via the USPTO electronic filing system (EFS-Web) on the date shown above.

By: James E. Walton
James E. Walton

The above-listed documents are being filed via the U.S. Patent and Trademark Office's EFS-Web electronic filing system. No fees are deemed to be necessary; however, the undersigned hereby authorizes the Commissioner to charge any fees that may be required, or credit any overpayments, to **Deposit Account No. 502806**.

Respectfully submitted,

9/14/15
Date

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ATTORNEY FOR APPLICANTS

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

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 13/951,900	Filing Date 07/26/2013	☐ 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	09/14/2015	(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))	* 18	Minus	** 20	=	X $ =	
	Independent (37 CFR 1.16(h))	* 3	Minus	***3	=	X $ =	
	☐ Application Size Fee (37 CFR 1.16(s))						
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
						TOTAL ADD'L FEE	

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
/ELMIRA HALL/

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.
13/951,900	07/26/2013	William D. Girard	0837RF-12-139	5290

38441 7590 10/05/2015

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EXAMINER	
MAWARI, REDHWAN K	

ART UNIT	PAPER NUMBER
3665	

NOTIFICATION DATE	DELIVERY MODE
10/05/2015	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):

JIM@WALTONPLLC.COM

Office Action Summary	Application No. 13/951,900	Applicant(s) GIRARD ET AL.	
	Examiner REDHWAN k. MAWARI	Art Unit 3665	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 *09/14/2015*.

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

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

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

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

Disposition of Claims*

5)☒ Claim(s) *1-4,6-14 and 16-20* is/are pending in the application.

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

6)☐ Claim(s) _____ is/are allowed.

7)☒ Claim(s) *1-4,6-14 and 16-20* is/are rejected.

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

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

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

Application Papers

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

11)☒ The drawing(s) filed on *07/26/2013* 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: _____.

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

Response to Amendment

1. This Office Action is responsive to Applicant's amendment and request for reconsideration of application 13/951,900 filed on September, 14, 2015.

Claim Rejections - 35 USC § 103

1. 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.

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

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

a. Claim 1 is rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view of Shavit (2011/0241902).

Regarding claim 1, Meisels discloses an aircraft, comprising:

a sensor configured to sense flight performance of the aircraft during flight;(see at least paragraph [, 0005, 0020]);

an avionics system associated with the sensor (see at least paragraph [0018, 0020, 0021]);

a database in data communication with the sensor and the avionics system, the database being configured to store information relating to a the flight performance of the aircraft during flight (see at least FIG. 1, paragraph [0018-0021, 0031]); and

a wireless transmitter in data communication with the avionics system (see at least paragraph [0020] and FIG. 1);

wherein the avionics system is configured to monitor aircraft flight performance data from the sensor (see at least paragraph [0020]); and wherein the wireless transmitter is configured to wirelessly transmit aircraft flight performance data to the wireless database (see at least paragraph [0020, 0021] and FIG. 1).

Meisels does not explicitly disclose pilot flying the aircraft during flight (see at least abstract); and wherein the wireless transmitter is configured to wirelessly transmit aircraft flight performance data and the pilot information to an external wireless database for monitoring.

Shavit teaches pilot flying the aircraft during flight (see at least abstract); and wherein the wireless transmitter is configured to wirelessly

transmit aircraft flight performance data and the pilot information to an external wireless database for monitoring (see at least abstract).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Shavit into the invention of Meisels for the purpose of improving the strategy of evaluating the pilots.

b. Claims 2, 3, 4, 17, 19 are rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view of Shavit (2011/0241902) and further in view of Torres (2013/0141572).

Regarding claim 2, Meisels in view of Shavit does not explicitly disclose a wireless transceiver in data communication with the wireless transmitter; wherein the wireless transceiver is configured to receive and transmit aircraft flight performance data to the wireless database.

Torres teaches a wireless transceiver in data communication with the wireless transmitter; wherein the wireless transceiver is configured to receive and transmit aircraft flight performance data to the wireless database (see at least FIG. 2, FIG. 3).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Torres into the invention of Meisels in view of Shavit for the purpose of increasing the safety of the aircraft.

Regarding claim 3, Torres teaches wherein the wireless transceiver is portable (see at least paragraph [0033], FIG. 1).

Regarding claims 4, Torres teaches wherein the wireless transceiver is a smartphone (see at least paragraph [0033], FIG. 1).

Regarding claim 17, Meisels discloses a method to monitor aircraft flight performance data, comprising:

sensing flight performance data with a sensor;

transmitting sensed flight performance data to a wireless transmitter;

wirelessly transmitting the sensed flight performance data to a wireless database (see at least FIG. 1 and paragraph [0020]);

Meiseles does not explicitly disclose monitoring flight performance data with a display operably associated with the wireless database

and

Torres teaches monitoring flight performance data with a display operably associated with the wireless database (see at least FIG. 10A, paragraph [0116]).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Torres into the invention of Meisels in view of Shavit for the purpose of increasing the safety of the aircraft.

Regarding claim 19, Shavit teaches wirelessly transmitting pilot information to the database via the wireless transceiver (see at least claim 1).

c. Claims 6 and 7 are rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view of Torres (2013/0141572) and further in view of Hedrick (2012/0265372).

Regarding claim 6, Meisels in view of Torres does not explicitly disclose wherein the wireless transceiver is configured to upload data to the avionics system via the wireless transmitter.

Hedrick teaches wherein the wireless transceiver is configured to upload data to the avionics system via the wireless transmitter (see at least abstract, FIG. 1, paragraph [0009]).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Hedric into the invention of Meisels in view of Torres for the purpose of accurately and promptly read and enter data.

Regarding claim 7, Hedrick teaches wherein the uploaded data is a flight planning data (see at least abstract, paragraph [0009]).

d. Claims 8 and 9 are rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view of Shavit (2011/0241902), Torres (2013/0141572) and further in view of Starkey (2012/0265372).

Regarding claim 8, Meisels in view of Shavit, and Torres does teach wherein the wireless transmitter removably attaches to the wireless transceiver.

Starkey teaches wherein the wireless transmitter removably attaches to the wireless transceiver (see at least paragraph [0011]).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Starkey into the invention of Meisels in view of Shavit, and Torres for the purpose of being able to switch or upgrades without making major changes to the system.

Regarding claim 9, Starkey teaches wherein the wireless transmitter removably attaches to the avionics system (see at least paragraph [0011]).

e. Claims 10 and 18 are rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view of Shavit (2011/0241902) and Wright (6,167,239).

Regarding claim 10, Meisels in view of Shavit not explicitly disclose wherein the wireless transceiver is configured to receive and store aircraft flight performance data.

Wright teaches wherein the wireless transceiver is configured to receive and store aircraft flight performance data (see at least abstract).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Wright into the invention of Meisels in view of Shavit for the purpose of being able to accurately detect any malfunction an early stage.

Regarding claim 18, Wright teaches wirelessly transmitting the sensed data to a wireless transceiver operably associated with the database (see at least abstract).

f. Claim 11 is rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view Shavit and further in view of Durand (2010/0105329).

Regarding claim 11, Meisels discloses an aircraft flight performance monitoring system (see at least paragraph [0020]); transmitting data to a wireless database (see at least FIG. 1).

Meisels does not explicitly disclose a wireless transmitter in data communication with an avionics system of the aircraft;
a portable wireless transceiver associated with the wireless transmitter; and a wireless database associated with the wireless transmitter; wherein the wireless transmitter is configured to receive and transmit flight performance data from the avionics system to the portable wireless transceiver.

Durand teaches a wireless transmitter in data communication with an avionics system of the aircraft;
a portable wireless transceiver associated with the wireless transmitter; and a wireless database associated with the wireless transmitter; wherein the wireless transmitter is configured to receive and transmit flight performance data from the avionics system to the portable wireless transceiver (see at least abstract).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Durand into the invention of Meisels for the purpose of being able to have access to the performance data during critical phases of flight.

Meisels does not explicitly disclose pilot flying the aircraft during flight (see at least abstract); and wherein the wireless transmitter is

configured to wirelessly transmit aircraft flight performance data and the pilot information to an external wireless database for monitoring.

Shavit teaches pilot flying the aircraft during flight (see at least abstract); and wherein the wireless transmitter is configured to wirelessly transmit aircraft flight performance data and the pilot information to an external wireless database for monitoring (see at least abstract).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Shavit into the invention of Meisels for the purpose of improving the strategy of evaluating the pilots.

g. Claims 12 and 13 are rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view Shavit, Durand (2010/0105329) and further in view of Starkey (2012/0265372).

Regarding claim 12, Starkey teaches wherein the wireless transmitter removable attaches to the avionics system (see at least paragraph [0011]).

Regarding claim 13, Starkey teaches wherein the wireless transceiver is configured to receive the wireless transmitter (see at least paragraph [0011]).

h. Claims 14 and 16 are rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view Shavit, Durand (2010/0105329) and further in view Torres (2013/0141572).

Regarding claims 14, Torres teaches wherein the wireless transceiver is a smartphone (see at least paragraph [0033], FIG. 1).

Regarding claim 16, Torres teaches a monitor conductively coupled to the wireless database; wherein the monitor provides viewing access of flight performance data (see at least FIG. 10A, paragraph [0116]).

i. Claim 20 is rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view Shavit, Torres (2013/0141572) and further in view of Starkey (2012/0265372).

Regarding claim 20, Starkey teaches removably attaching the wireless transmitter to the wireless transceiver (see at least paragraph [0011]).

Response to Arguments

5. Applicant's arguments have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

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

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

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Redhwan Mawari whose telephone number is 571 270 1535. The examiner can normally be reached on 7:30 AM - 5PM Mon-Fri Eastern Alt Fri.

Conclusion

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Nguyen can be reached on 571 272 6952. 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.

/REDHWAN k MAWARI/

Primary Examiner, Art Unit 3665

Notice of References Cited	Application/Control No. 13/951,900	Applicant(s)/Patent Under Reexamination GIRARD ET AL.	
	Examiner REDHWAN k. MAWARI	Art Unit 3665	Page 1 of 2

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*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-6,408,259 B1	06-2002	Goebel; Kai Frank	B64D43/00	701/100
*	B	US-2002/0131730 A1	09-2002	Keeble, Daniel John	G02B6/4201	385/92
*	C	US-2002/0140574 A1	10-2002	Starkey, Gene Raymond	B60C23/0413	340/870.16
*	D	US-2004/0148088 A1	07-2004	Davis, Brian J.	G07C5/008	701/123
*	E	US-2005/0026609 A1	02-2005	Brinkley, Roger R.	G06F8/61	455/431
*	F	US-2007/0264953 A1	11-2007	Srinivasan; Thiru	H04L67/06	455/186.1
*	G	US-2008/0228330 A1	09-2008	Srinivasan; Thiru	G01C23/00	701/3
*	H	US-2010/0105329 A1	04-2010	DURAND; Frederic	H04B1/3877	455/41.2
*	I	US-7,755,890 B2	07-2010	Rui; Fernandes	B64D43/00	348/837
*	J	US-7,769,501 B2	08-2010	Lusardi; Robert Allen	G01C23/00	340/945
*	K	US-2011/0241902 A1	10-2011	Shavit; Tsachi C.	G08G5/0043	340/978
*	L	US-2011/0313645 A1	12-2011	Shukla; Vijay	G08G5/065	701/120
*	M	US-2012/0053777 A1	03-2012	Meisels; David Benjamin	G07C5/006	701/29.1

FOREIGN PATENT DOCUMENTS

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

NON-PATENT DOCUMENTS

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

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

Notice of References Cited	Application/Control No. 13/951,900	Applicant(s)/Patent Under Reexamination GIRARD ET AL.	
	Examiner REDHWAN k. MAWARI	Art Unit 3665	Page 2 of 2

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-8,280,741 B2	10-2012	Colin; Michel	G08G5/0013	704/231
*	B	US-2012/0265372 A1	10-2012	Hedrick; Geoffrey S.M.	H04L67/36	701/3
*	C	US-2013/0141572 A1	06-2013	Torres; Alex Laton	H04N7/185	348/143
*	D	US-2015/0032296 A1	01-2015	Girard; William D.	G07C5/00	701/3
	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	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
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	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
L2	0	data$base same stor$3 with pilot$3 near4 fly$4 same performance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/09/28 08:29
L3	0	data$base same stor$3 with pilot$3 with fly$4 same performance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/09/28 08:30
L4	0	data$base same stor$3 same pilot$3 with fly$4 same performance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/09/28 08:30
L5	5	data$base same stor$3 same pilot$3 same fly$4 same performance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/09/28 08:30
L6	9	data$base same stor$3 same pilot$3 same train$4 same performance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/09/28 08:30
L7	0	data$base same stor$3 same pilot$3 near5 information same train$4 same performance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/09/28 09:14
L8	4	data$base same stor$3 same pilot$3 near5 (performance or flying or data or information) same train$4 same performance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/09/28 09:15
L9	55	data$base same stor$3 same pilot$3	US-PGPUB;	OR	OFF	2015/09/28

		near5 (performance or flying or data or information) same performance	USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			09:17
L10	2	("20110241902").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/09/28 10:00
S1	1	"13951900"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 07:31
S2	2	"7755890".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 07:39
S3	3	"7769501".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 07:39
S4	3	"8364328".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 07:39
S5	2	("20070264953").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 07:40
S6	2	("20080228330").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 07:40
S7	3	("20100105329").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	2015/05/27 07:40

			IBM_TDB			
S8	2	("20110313645").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 07:44
S9	22	avionic and sensor and wireless and transmitter and receiver and flight and transmit$3 and database	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 08:47
S10	8	(US-20150032296-$ or US-20100105329-$ or US-20080228330-$ or US-20070264953-$ or US-20110313645-$).did. or (US-8364328-$ or US-7769501-$ or US-7755890-$).did.	US-PGPUB; USPAT	OR	OFF	2015/05/27 08:50
S11	0	S9 and S10	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 08:50
S12	1	"7456756".pn.	US-PGPUB; USPAT	OR	OFF	2015/05/27 08:54
S13	0	("200500026609").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 08:56
S14	3	("20050026609").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 08:56
S15	4	("2010/0105329").URPN.	USPAT	OR	OFF	2015/05/27 09:04
S16	4	("2010/0105329").URPN.	USPAT	OR	OFF	2015/05/27 09:04
S17	37	avionic and sensor and transmitter and receiver and flight and transmit$3 and database	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 09:22
S20	20	monitor$3 with performance with sensor and transmit$4 with database and aircraft and (mobile or PDA or portable)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	2015/05/27 09:39

			IBM_TDB			
S21	2	"12872283"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 14:09
S22	2413	air$craft and (smart$4 near2 phone)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/28 06:44
S23	4	air$craft and ((smart$4 near2 phone) same transmit$4 with performance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/28 06:44
S24	0	("20120265372").PN.	USPAT; USOCR	OR	OFF	2015/05/28 07:21
S25	2	("20120265372").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/28 07:21
S26	0	(12/717859).APP.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/28 12:22
S27	32	monitor$3 with performance with sensor and transmit$4 with database and aircraft	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/28 13:59
S28	1	"13984410"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/28 21:51
S29	146	monitor$3 with performance with sensor and transmit$4 with database	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/29 05:32
S30	146	monitor$3 with performance with sensor	US-PGPUB;	OR	OFF	2015/05/29

		and transmit$4 with database	USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			07:52
S31	146	monitor$3 with performance with sensor and transmit$4 with database	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/29 09:57
S32	0	transmitter with removably with attached with trasceiver	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/31 13:39
S33	6	transmitter with removably with attached with transceiver	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/31 13:39
S34	28	transmitter with removably with transceiver	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/31 13:41
S35	0	transmitter with removabl$3 with attached with avionics	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/31 13:50
S36	0	transmitter with removabl$3 with attached with avionics	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/31 13:51
S37	2	transmitter with removabl$3 with avionics	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/31 13:51
S38	122	transceiver with stor$4 with performance near3 (data or information)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	2015/05/31 13:56

			IBM_TDB			
S39	3	transmit$4 with pilot near5 identification with database	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/31 14:02
S40	18	(US-20150032296-$ or US-20100105329-$ or US-20080228330-$ or US-20070264953-$ or US-20110313645-$ or US-20050026609-$ or US-20120053777-$ or US-20130141572-$ or US-20120265372-$ or US-20020140574-$ or US-20020131730-$ or US-20040148088-$).did. or (US-8364328-$ or US-7769501-$ or US-7755890-$ or US-6408259-$ or US-8280741-$).did. or (US-6167239-$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2015/06/01 06:34
S41	35	(US-20150032296-$ or US-20100105329-$ or US-20080228330-$ or US-20070264953-$ or US-20110313645-$ or US-20050026609-$ or US-20120053777-$ or US-20130141572-$ or US-20120265372-$ or US-20020140574-$ or US-20020131730-$ or US-20040148088-$).did. or (US-8364328-$ or US-7769501-$ or US-7755890-$ or US-6408259-$ or US-8280741-$).did. or (US-6167239-$).did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/06/01 06:35
S42	278911	((H04L67/12 OR H04L67/06 OR H04L29/08558 OR H04L67/14 OR H04L67/18 OR H04L67/325 OR H04L67/36 OR H04L2012/4028 OR H04L29/08117 OR H04L29/08576 OR H04L29/08657 OR H04L29/08963 OR H04L29/0899 OR H04L67/04 OR H04L67/34 OR H04B7/18506 OR H04B1/3877 OR H04B7/18502 OR G01C23/00 OR G06F1/1632 OR G06F8/61 OR G08G5/065 OR G08G5/0013 OR G08G5/0034 OR G08G5/0043 OR B60C23/0413 OR B60C23/0433 OR B60C23/0452 OR B60C23/0461 OR B60C23/0479 OR B60C23/0493 OR G02B6/3897 OR G02B6/4201 OR G02B6/423 OR G02B6/4246 OR G02B6/4277 OR G02B6/4292 OR G05B23/0232 OR G05B23/0297 OR G07C3/00 OR G07C5/00 OR G07C5/006 OR G07C5/008).CPC. OR (701/3 OR 701/14 OR 701/120 OR 701/10 OR 701/100 OR 701/123 OR 701/2 OR 701/29.1 OR 701/30.8 OR 701/31.4 OR 701/31.5 OR 701/32.1 OR 701/32.4 OR 701/33.2 OR 701/4 OR 455/41.2 OR 455/431 OR 455/186.1 OR 455/66.1 OR 455/419 OR 455/41.1 OR 455/426.2 OR 455/67.11 OR 455/67.13 OR 455/67.16 OR 340/945 OR 340/870.16 OR 340/971 OR 340/973 OR 345/169 OR 345/633 OR 345/204 OR 345/205 OR 348/E7.085 OR	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/06/01 06:35

		348/143 OR 348/837).CCLS.)				

EAST Search History (Interference)

<This search history is empty>

9/28/2015 10:47:29 AM
C:\Users\rmawari\Documents\EAST\Workspaces\13951900.wsp

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	13951900	GIRARD ET AL.
	Examiner	**Art Unit**
	REDHWAN k MAWARI	3665

✓	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	06/01/2015	09/28/2015							
	1	✓	✓							
	2	✓	✓							
	3	✓	✓							
	4	✓	✓							
	5	✓	-							
	6	✓	✓							
	7	✓	✓							
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	16	✓	✓							
	17	✓	✓							
	18	✓	✓							
	19	✓	✓							
	20	✓	✓							

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	13951900	GIRARD ET AL.
	Examiner	Art Unit
	REDHWAN k MAWARI	3665

CPC- SEARCHED		
Symbol	Date	Examiner
H04L67/12 OR H04L67/06 OR H04L29/08558 OR H04L67/14 OR H04L67/18 OR H04L67/325	6/1/2015	R.M

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
701	3,14,120,10,100,123,2,29.1	6/1/2015	R.M

SEARCH NOTES		
Search Notes	Date	Examiner
see east search	6/1/2015	R.M

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

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No. **0837RF-12-139**

In Re Application of:	§	Examiner: **MAWARI, REDHAWN K.**
WILLIAM D. GIRARD	§	
Serial No: **13/951,900**	§	Art Unit: **3665**
Filed: **26 JULY 2013**	§	
For: **AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA**	§	Confirmation No. **5290**

AMENDMENT AFTER FINAL

Filed via EFS-Web
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This Amendment is being filed in response to the Office Action dated 5 October 2015, which provides for a three-month response period ending 5 January 2016.

Please enter the following amendments and consider the following remarks.

CERTIFICATE OF TRANSMISSION UNDER 37 C.F.R. § 1.8(a)(1)(i)(C)
Date of Transmission: 10/21/15
I hereby certify that this correspondence is being transmitted to the U.S. Patent and Trademark Office (USPTO) via the USPTO electronic filing system (EFS-Web) on the date shown above.
By: James E. Walton James E. Walton

IN THE CLAIMS:

The following is a complete listing of the claims and replaces all prior versions and listings of claims in the subject application. Please amend the claims as follows:

1. **(Currently Amended)** An aircraft, comprising:

a sensor configured to sense flight performance of the aircraft during flight;

an avionics system associated with the sensor;

a database in data communication with the sensor and the avionics system, the database being configured to store information relating to a pilot flying the aircraft during flight and the flight performance of the aircraft during flight; [[and]]

a wireless transmitter in data communication with the avionics system and the database; and

a transceiver in data communication with the database and configured to receive pilot information prior to flight and associate the aircraft flight performance with the pilot information;

wherein the avionics system is configured to monitor aircraft flight performance data from the sensor; and

wherein the wireless transmitter is configured to wirelessly transmit aircraft flight performance data and the pilot information to an external wireless database for monitoring.

2. **(Original)** The aircraft of claim 1, further comprising:

a wireless transceiver in data communication with the wireless transmitter;

wherein the wireless transceiver is configured to receive and transmit aircraft flight performance data to the wireless database.

3. **(Original)** The aircraft of claim 2, wherein the wireless transceiver is portable.

4. **(Original)** The aircraft of claim 3, wherein the wireless transceiver is a smartphone.

5. **(Canceled)**.

6. **(Original)** The aircraft of claim 2, wherein the wireless transceiver is configured to upload data to the avionics system via the wireless transmitter.

7. **(Original)**The aircraft of claim 6, wherein the uploaded data is a flight planning data.

8. **(Original)**The aircraft of claim 2, wherein the wireless transmitter removably attaches to the wireless transceiver.

9. **(Original)**The aircraft of claim 1, wherein the wireless transmitter removably attaches to the avionics system.

10. **(Original)**The aircraft of claim 1, wherein the wireless transceiver is configured to receive and store aircraft flight performance data.

11. **(Currently Amended)** An aircraft flight performance monitoring system, comprising:

a wireless transmitter in data communication with an avionics system of the aircraft;

a portable wireless transceiver associated with the wireless transmitter;

a database in data communication with the avionics system, the database being configured to store information relating to a pilot flying the aircraft during flight and the flight performance of the aircraft during flight; [[and]]

an external wireless database associated with the database; and

a transceiver in data communication with the database and configured to receive pilot information prior to flight and associate the aircraft flight performance with the pilot information;

wherein the wireless transmitter is configured to receive and transmit flight performance data from the avionics system to the portable wireless transceiver, which in turn is transmitted to the wireless database.

12. **(Original)** The system of claim 11, wherein the wireless transmitter removable attaches to the avionics system.

13. **(Original)** The system of claim 12, wherein the wireless transceiver is configured to receive the wireless transmitter.

14. **(Original)** The system of claim 11, wherein the portable wireless transceiver is a smartphone.

15. **(Canceled)**.

16. **(Original)** The system of claim 11, further comprising:

a monitor conductively coupled to the wireless database;

wherein the monitor provides viewing access of flight performance data.

17. **(Currently Amended)** A method to monitor aircraft flight performance data, comprising:

obtaining and storing pilot information in a database prior to flight;

sensing flight performance data with a sensor;

transmitting sensed flight performance data to the database;

wirelessly transmitting the sensed flight performance data to an external wireless database; and

monitoring flight performance data with a display operably associated with the wireless database.

18. **(Original)** The method of claim 17, further comprising:

wirelessly transmitting the sensed data to a wireless transceiver operably associated with the database.

19. **(Original)** The method of claim 18, further comprising:

wirelessly transmitting pilot information to the database via the wireless transceiver.

20. **(Original)** The method of claim 18, further comprising:

removably attaching the wireless transmitter to the wireless transceiver.

REMARKS:

Claims 1-4, 6-14, and 16-20 are pending in the present Application.

Claim 1 stands rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels (US 2012/0053777). Claims 2, 3, 4, and 17 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Shavit (US 2011/0241902) and Torres (US 2013/0141572). Claim 5 stands rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Torres and further in view of Colin (US 8280741). Claims 6 and 7 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Torres and further in view of Hedrick (US 2012/0265372). Claims 8 and 9 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Shavit, Torres and further in view of Starkey (US 2012/0265372). Claims 10 and 18 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Shavit, Wright (US 6167239). Claim 11 stands rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Shavit, Durand (US 2010/0105329). Claims 12 and 13 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Shavit, Durand and further in view of Starkey (US 2012/0265372). Claims 14 and 16 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Shavit, Durand and further in view of Torres (US 2013/0141572). Claim 20 stands rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Meisels in view of Shavit, and further in view of Starkey.

In view of the following comments, allowance of all the claims pending in the application is respectfully requested.

In the Claims:

The Applicants submit that the foregoing amendments add no new matter to the application.

Rejections Under 35 U.S.C. § 103(a):

The claims stand rejected for the reasons outlined above under 35 U.S.C. § 103(a). The Applicants respectfully traverse these rejections for at least the following reasons.

The art most relevant to the present application, and used as a base for rejection under 103(a) is Meisels. The present Office Action introduces cited reference Shavit in the arguments.

Independent Claims 1, 11, and 17 were amended to include the following features: (1) a database in communication with the sensor and the avionics system; (2) wherein the database is configured to obtain and store pilot information and flight performance of the aircraft during flight; and (3) a transceiver configured to receive pilot information prior to flight. Such features are desired and discussed in detail in the disclosure as being a method to monitor the pilot's performance for training.

It comparison to the cited references, it is believed that the art fails to disclose or teach the features hereby amended in the present claims.

Meisels (US 2012/0053777)

FIG. A below is taken from FIG. 1 of Meisels and illustrates an apparatus for detecting inadequate maintenance of a system.

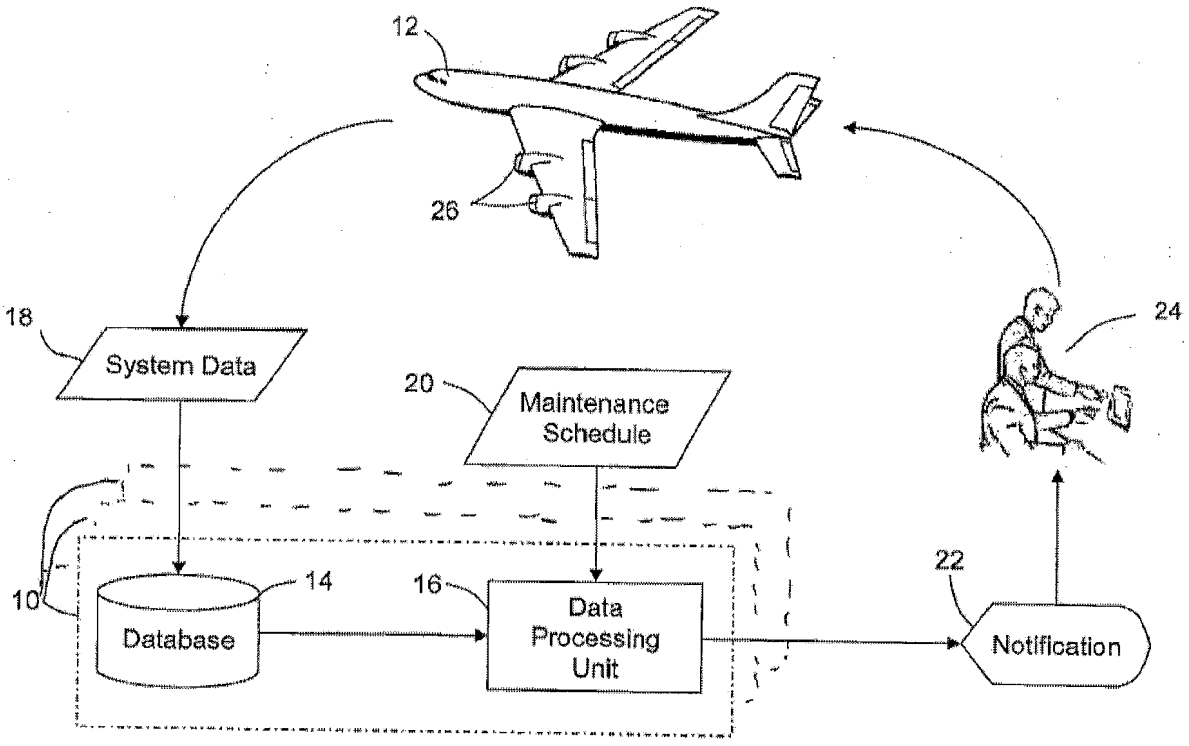

FIG. 1

FIG. A: the Meisels device, as taken from FIG. 1 of Meisels.

It should be noted that the Meisels device is not adapted to perform the features (1) and (2) discussed above. The Meisels device does not include a database and system configured to monitor the flight performance of the aircraft and to store information about the pilot. Accordingly, the Applicant submits that the art fails to disclose or teach the features of the base claims.

Shavit (US 2011/0241902)

FIG. B below is taken from FIG. 1 of Shavit and illustrates the preferred process of monitoring the pilot's performance in both a flight simulator and in realtime performance. The monitored information is stored in a database, where it is then analyzed by third parties.

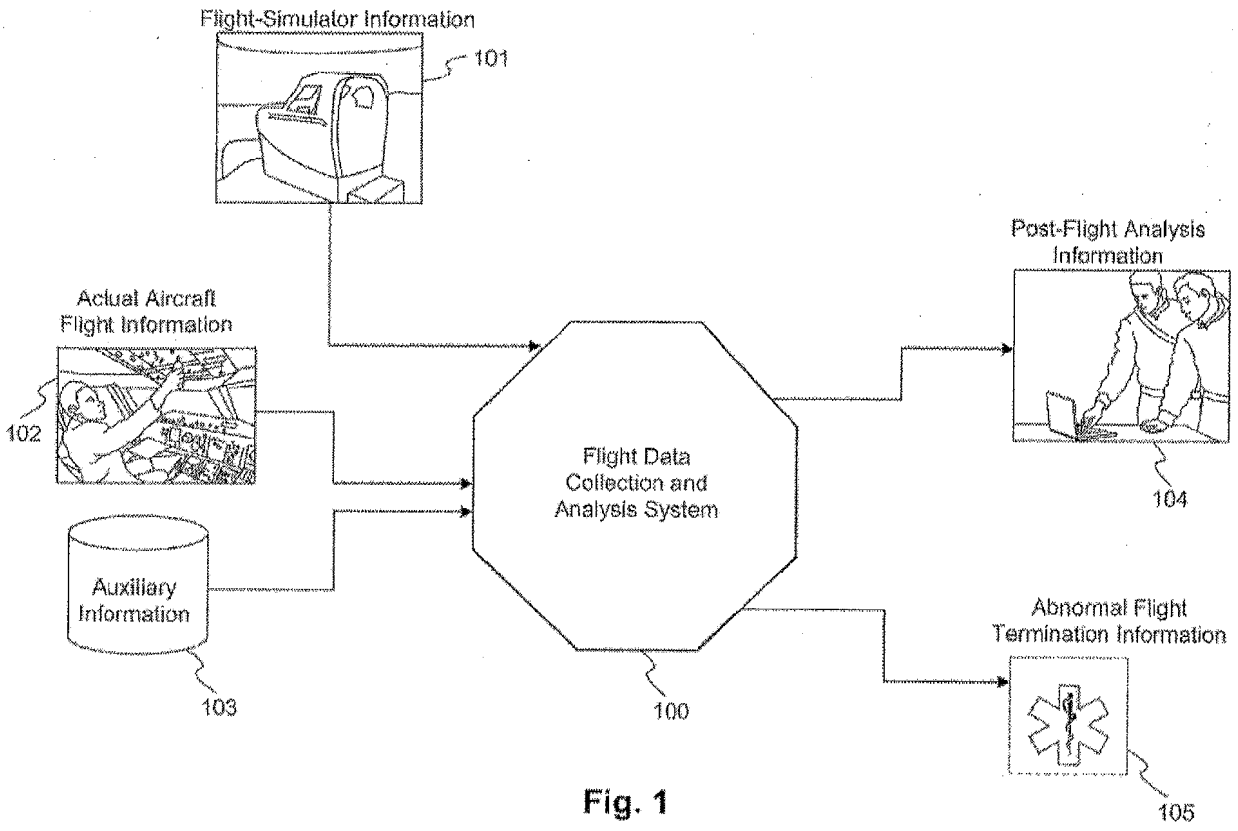

Fig. 1

FIG. B: the method of Shavit, as depicted in FIG. 1 of Shavit.

It should be understood that Shavit does not disclose the use of a transceiver configured to receive pilot data prior to flight.

The remaining art, although relevant, does not teach the defects found in Meisels and Shavit. Specifically, the art does not disclose or teach a database and system configured to monitor the flight performance of the aircraft and to store information about the pilot and to receive information relating to the pilot prior to flight.

Accordingly, the Applicant submits that the combination of art fails to disclose or teach the features (1) - (3) as amended to the claims.

In view of the foregoing amendments and remarks, the Applicants request that the present 103 rejections be reconsidered, withdrawn, and that the pending claims be placed in condition for allowance.

Distinctions, Other Than Those Discussed, May Exist:

It should be noted that the Applicant has merely discussed example distinctions from the references cited by the Examiner. Other distinctions may exist and Applicant reserves the right to discuss these additional distinctions in a future Response or on Appeal. By not responding to the additional statements made by the Examiner, the Applicant does not acquiesce to the Examiner's additional statements. The remarks provided above are believed sufficient to overcome the present rejections.

CONCLUSION:

The Applicant submits that the subject application is now considered to be in *prima facie* condition for allowance, and an early reconsideration and issuance of a Notice of Allowance are earnestly solicited. The Examiner is invited to contact the undersigned at (817) 447-9955 with any questions, comments, or suggestions relating to the referenced patent application.

This Amendment is being filed via the U.S. Patent and Trademark Office's EFS-Web electronic filing system. No fees are deemed to be necessary; however, the Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayments, to **Deposit Account No. 502806**.

Respectfully submitted,

10/21/15
Date

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(817) 447-9954 (Facsimile)
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CUSTOMER NO. 38441

ATTORNEY FOR APPLICANT

Doc Code: A.NE.AFCP
Document Description: After Final Consideration Pilot Program Request

PTO/SB/434 (05-13)

CERTIFICATION AND REQUEST FOR CONSIDERATION UNDER THE AFTER FINAL CONSIDERATION PILOT PROGRAM 2.0

Practitioner Docket No.:	Application No.:	Filing Date:
0837RF-12-139	13/951,900	26 JULY 2013
First Named Inventor:	**Title:**	
WILLIAM D. GIRARD	AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA	

APPLICANT HEREBY CERTIFIES THE FOLLOWING AND REQUESTS CONSIDERATION UNDER THE AFTER FINAL CONSIDERATION PILOT PROGRAM 2.0 (AFCP 2.0) OF THE ACCOMPANYING RESPONSE UNDER 37 CFR 1.116.

1. The above-identified application is (i) an original utility, plant, or design nonprovisional application filed under 35 U.S.C. 111(a) [a continuing application (*e.g.*, a continuation or divisional application) is filed under 35 U.S.C. 111(a) and is eligible under (i)], or (ii) an international application that has entered the national stage in compliance with 35 U.S.C. 371(c).
2. The above-identified application contains an outstanding final rejection.
3. Submitted herewith is a response under 37 CFR 1.116 to the outstanding final rejection. The response includes an amendment to at least one independent claim, and the amendment does not broaden the scope of the independent claim in any aspect.
4. This certification and request for consideration under AFCP 2.0 is the only AFCP 2.0 certification and request filed in response to the outstanding final rejection.
5. Applicant is willing and available to participate in any interview requested by the examiner concerning the present response.
6. This certification and request is being filed electronically using the Office's electronic filing system (EFS-Web).
7. Any fees that would be necessary consistent with current practice concerning responses after final rejection under 37 CFR 1.116, *e.g.*, extension of time fees, are being concurrently filed herewith. [There is no additional fee required to request consideration under AFCP 2.0.]
8. By filing this certification and request, applicant acknowledges the following:
   - Reissue applications and reexamination proceedings are not eligible to participate in AFCP 2.0.
   - The examiner will verify that the AFCP 2.0 submission is compliant, *i.e.*, that the requirements of the program have been met (see items 1 to 7 above). For compliant submissions:
     - The examiner will review the response under 37 CFR 1.116 to determine if additional search and/or consideration (i) is necessitated by the amendment and (ii) could be completed within the time allotted under AFCP 2.0. If additional search and/or consideration is required but cannot be completed within the allotted time, the examiner will process the submission consistent with current practice concerning responses after final rejection under 37 CFR 1.116, *e.g.*, by mailing an advisory action.
     - If the examiner determines that the amendment does not necessitate additional search and/or consideration, or if the examiner determines that additional search and/or consideration is required and could be completed within the allotted time, then the examiner will consider whether the amendment places the application in condition for allowance (after completing the additional search and/or consideration, if required). If the examiner determines that the amendment does not place the application in condition for allowance, then the examiner will contact the applicant and request an interview.
       - The interview will be conducted by the examiner, and if the examiner does not have negotiation authority, a primary examiner and/or supervisory patent examiner will also participate.
       - If the applicant declines the interview, or if the interview cannot be scheduled within ten (10) calendar days from the date that the examiner first contacts the applicant, then the examiner will proceed consistent with current practice concerning responses after final rejection under 37 CFR 1.116.

Signature	Date
/jamesewaltonpat/	10/21/15
Name (Print/Typed) James E. Walton	**Practitioner Registration No.** 47,245

Note: *This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications. Submit multiple forms if more than one signature is required, see below*.*

[✓] * Total of 1 forms are submitted.

Electronic Acknowledgement Receipt

EFS ID:	23847809
Application Number:	13951900
International Application Number:	
Confirmation Number:	5290
Title of Invention:	AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA
First Named Inventor/Applicant Name:	William D. Girard
Customer Number:	38441
Filer:	James Edward Walton
Filer Authorized By:	
Attorney Docket Number:	0837RF-12-139
Receipt Date:	21-OCT-2015
Filing Date:	26-JUL-2013
Time Stamp:	13:26:47
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		AmendmentAfterFinal20151021.pdf	519944 eba8030e7706abba2cae002ba978f519784faa78	yes	14

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Miscellaneous Incoming Letter	1	2
	Response After Final Action	3	13
	After Final Consideration Program Request	14	14
Warnings:			
Information:			
	Total Files Size (in bytes):	519944	

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

Attorney Docket No. **0837RF-12-139**

In Re Application of:	§	Examiner: **MAWARI, REDHAWN K.**
WILLIAM D. GIRARD	§	
Serial No: **13/951,900**	§	Art Unit: **3665**
Filed: **26 JULY 2013**	§	
For: **AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA**	§	Confirmation No. **5290**

TRANSMITTAL

Filed via EFS-Web
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

Please file the following enclosed documents in the subject application:

1. This Transmittal with Certificate of Transmission;
2. Amendment After Final; and
3. Certification and Request for Consideration Under the After Final Consideration Pilot Program 2.0.

CERTIFICATE OF TRANSMISSION UNDER 37 C.F.R. § 1.8(a)(1)(i)(C)
Date of Transmission: 10/21/15
I hereby certify that this correspondence is being transmitted to the U.S. Patent and Trademark Office (USPTO) via the USPTO electronic filing system (EFS-Web) on the date shown above.
By: James E. Walton James E. Walton

The above-listed documents are being filed via the U.S. Patent and Trademark Office's EFS-Web electronic filing system. No fees are deemed to be necessary; however, the undersigned hereby authorizes the Commissioner to charge any fees that may be required, or credit any overpayments, to **Deposit Account No. 502806**.

Respectfully submitted,

10/21/15
Date

James E. Walton
Reg. No. 47,245
Law Offices of James E. Walton, P.L.L.C.
1169 N. Burleson Blvd., Suite 107-328
Burleson, Texas 76028
(817) 447-9955 (Voice)
(817) 447-9954 (Facsimile)
jim@waltonpllc.com (Email)

CUSTOMER NO. 38441

ATTORNEY FOR APPLICANTS

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

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 13/951,900	Filing Date 07/26/2013	☐ 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	10/21/2015	(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))	* 18	Minus	** 20	= 0	X $80 =	0
	Independent (37 CFR 1.16(h))	* 3	Minus	***3	= 0	X $420 =	0
	☐ Application Size Fee (37 CFR 1.16(s))						
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
						TOTAL ADD'L FEE	0

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

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

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

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

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

LIE
/DIANA BATES/

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

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

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/951,900	07/26/2013	William D. Girard	0837RF-12-139	5290

38441 7590 11/27/2015

LAW OFFICES OF JAMES E. WALTON, PLLC
1169 N. BURLESON BLVD.
SUITE 107-328
BURLESON, TX 76028

EXAMINER
MAWARI, REDHWAN K

ART UNIT	PAPER NUMBER
3665	

NOTIFICATION DATE	DELIVERY MODE
11/27/2015	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):

JIM@WALTONPLLC.COM

Advisory Action Before the Filing of an Appeal Brief	**Application No.** 13/951,900	**Applicant(s)** GIRARD ET AL.	
	Examiner REDHWAN k. MAWARI	**Art Unit** 3665	**AIA (First Inventor to File) Status** Yes

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

THE REPLY FILED 21 October 2015 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.

NO NOTICE OF APPEAL FILED

1. ☒ The reply was filed after a final rejection. No Notice of Appeal has been filed. To avoid abandonment of this application, applicant must timely file one of the following replies: (1) an amendment, affidavit, or other evidence, which places the application in condition for allowance; (2) a Notice of Appeal (with appeal fee) in compliance with 37 CFR 41.31; or (3) a Request for Continued Examination (RCE) in compliance with 37 CFR 1.114 if this is a utility or plant application. Note that RCEs are not permitted in design applications. The reply must be filed within one of the following time periods:
   a) ☐ The period for reply expires _____months from the mailing date of the final rejection.
   b) ☒ The period for reply expires on: (1) the mailing date of this Advisory Action; or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.
   c) ☐ A prior Advisory Action was mailed more than 3 months after the mailing date of the final rejection in response to a first after-final reply filed within 2 months of the mailing date of the final rejection. The current period for reply expires months from the mailing date of *the prior Advisory Action* or SIX MONTHS from the mailing date of the final rejection, whichever is earlier.
   Examiner Note: If box 1 is checked, check either box (a), (b) or (c). ONLY CHECK BOX (b) WHEN THIS ADVISORY ACTION IS THE FIRST RESPONSE TO APPLICANT'S FIRST AFTER-FINAL REPLY WHICH WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. ONLY CHECK BOX (c) IN THE LIMITED SITUATION SET FORTH UNDER BOX (c). See MPEP 706.07(f).

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

NOTICE OF APPEAL

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

AMENDMENTS

3. ☒ The proposed amendments filed after a final rejection, but prior to the date of filing a brief, will not be entered because
   a) ☒ They raise new issues that would require further consideration and/or search (see NOTE below);
   b) ☐ They raise the issue of new matter (see NOTE below);
   c) ☐ They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or
   d) ☐ They present additional claims without canceling a corresponding number of finally rejected claims.
   NOTE: _____. (See 37 CFR 1.116 and 41.33(a)).
4. ☐ The amendments are not in compliance with 37 CFR 1.121. See attached Notice of Non-Compliant Amendment (PTOL-324).
5. ☐ Applicant's reply has overcome the following rejection(s): _____.
6. ☐ Newly proposed or amended claim(s) _____ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).
7. ☐ For purposes of appeal, the proposed amendment(s): (a) ☐ will not be entered, or (b) ☐ will be entered, and an explanation of how the new or amended claims would be rejected is provided below or appended.

AFFIDAVIT OR OTHER EVIDENCE

8. ☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.
9. ☐ The affidavit or other evidence filed after final action, but before or on the date of filing a Notice of Appeal will not be entered because applicant failed to provide a showing of good and sufficient reasons why the affidavit or other evidence is necessary and was not earlier presented. See 37 CFR 1.116(e).
10. ☐ The affidavit or other evidence filed after the date of filing the Notice of Appeal, but prior to the date of filing a brief, will not be entered because the affidavit or other evidence failed to overcome all rejections under appeal and/or appellant fails to provide a showing of good and sufficient reasons why it is necessary and was not earlier presented. See 37 CFR 41.33(d)(1).
11. ☐ The affidavit or other evidence is entered. An explanation of the status of the claims after entry is below or attached.

REQUEST FOR RECONSIDERATION/OTHER

12. ☒ The request for reconsideration has been considered but does NOT place the application in condition for allowance because: Per amendments filed on 10/21/2015, new consideration and or search is required..
13. ☐ Note the attached Information *Disclosure Statement*(s). (PTO/SB/08) Paper No(s). _____
14. ☒ Other: PTOL-2323.

STATUS OF CLAIMS

15. The status of the claim(s) is (or will be) as follows:
    Claim(s) allowed: .
    Claim(s) objected to: .
    Claim(s) rejected: .
    Claim(s) withdrawn from consideration: .

/REDHWAN k MAWARI/
Primary Examiner, Art Unit 3665

AFCP 2.0 Decision	Application No.	Applicant(s)
	13/951,900	GIRARD ET AL.
	Examiner	Art Unit
	REDHWAN k. MAWARI	3665

This is in response to the After Final Consideration Pilot request filed 10/21/2015.

1. **Improper Request** – The AFCP 2.0 request is improper for the following reason(s) and the after final amendment submitted with the request will be treated under pre-pilot procedure.

   ☐ An AFCP 2.0 request form PTO/SB/434 (or equivalent document) was not submitted.

   ☐ A non-broadening amendment to at least one independent claim was not submitted.

   ☐ A proper AFCP 2.0 request was submitted in response to the most recent final rejection.

   ☐ Other:

2. **Proper Request**

   A. After final amendment submitted with the request will not be treated under AFCP 2.0.
   The after final amendment cannot be reviewed and a search conducted within the guidelines of the pilot program.

   ☒ The after final amendment will be treated under pre-pilot procedure.

   B. Updated search and/or completed additional consideration.
   The examiner performed an updated search and/or completed additional consideration of the after final amendment within the time authorized for the pilot program. The result(s) of the updated search and/or completed additional consideration are:

   ☐ 1. All of the rejections in the most recent final Office action are overcome and a Notice of Allowance is issued herewith.

   ☐ 2. The after final amendment would not overcome all of the rejections in the most recent final Office action. See attached interview summary for further details.

   ☐ 3. The after final amendment was reviewed, and it raises a new issue(s). See attached interview summary for further details.

   ☐ 4. The after final amendment raises new issues, but would overcome all of the rejections in the most recent final Office action. A decision on determining allowability could not be made within the guidelines of the pilot. See attached interview summary for further details, including any newly discovered prior art.

   ☐ 5. Other:

   Examiner Note: Please attach an interview summary when necessary as described above.

PTO/SB/30 (07-14)
Approved for use through 07/31/2016 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.

Request for Continued Examination (RCE) Transmittal

Address to:
Mail Stop RCE
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Application Number	13/951,900
Filing Date	26 JULY 2013
First Named Inventor	WILLIAM D. GIRARD
Art Unit	3665
Examiner Name	MAWARI, REDHAWN K.
Attorney Docket Number	0837RF-12-139

This is a Request for Continued Examination (RCE) under 37 CFR 1.114 of the above-identified application.
Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8, 1995, to any international application that does not compy with the requirements of 35 U.S.C 371, or to any design application. See Instruction Sheet for RCEs (not to be submitted to the USPTO on page 2.)

1. Submission required under 37 CFR 1.114 Note: If the RCE is proper, any previously filed unentered amendments and amendments enclosed with the RCE will be entered in the order in which they were filed unless applicant instructs otherwise. If applicant does not wish to have any previously filed unentered amendment(s) entered, applicant must request non-entry of such amendment(s).

   a. [✓] Previously submitted. If a final Office action is outstanding, any amendments filed after the final Office action may be considered as a submission even if this box is not checked.

      i. [ ] Consider the arguments in the Appeal Brief or Reply Brief previously filed on _____

      ii. [✓] Other Amendment After Final filed 21 October 2015

   b. [ ] Enclosed

      i. [ ] Amendment/Reply

      ii. [ ] Affidavit(s)/ Declaration(s)

      iii. [ ] Information Disclosure Statement (IDS)

      iv. [ ] Other _____

2. Miscellaneous

   a. [ ] Suspension of action on the above-identified application is requested under 37 CFR 1.103(c) for a period of _____ months. (Period of suspension shall not exceed 3 months; Fee under 37 CFR 1.17(i) required)

   b. [ ] Other _____

3. Fees The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.

   a. [ ] The Director is hereby authorized to charge the following fees, any underpayment of fees, or credit any overpayments, to Deposit Account No. _____.

      i. [ ] RCE fee required under 37 CFR 1.17(e)

      ii. [ ] Extension of time fee (37 CFR 1.136 and 1.17)

      iii. [ ] Other _____

   b. [ ] Check in the amount of $ _____ enclosed

   c. [✓] Payment by credit card ~~(Form PTO-2038 enclosed)~~ Via EFS-Web

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

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

Signature	/jamesewaltonpat/	Date	1/5/16
Name (Print/Type)	James E. Walton	Registration No.	47,245

CERTIFICATE OF MAILING OR TRANSMISSION

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop RCE, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 or ~~facsimile~~ transmitted to the U.S. Patent and Trademark Office on the date shown below via EFS-Web

Signature	/jamesewaltonpat/		
Name (Print/Type)	James E. Walton	Date	1/5/16

This collection of information is required by 37 CFR 1.114. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Mail Stop RCE, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

Electronic Patent Application Fee Transmittal

Application Number:	13951900
Filing Date:	26-Jul-2013
Title of Invention:	AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA
First Named Inventor/Applicant Name:	William D. Girard
Filer:	James Edward Walton
Attorney Docket Number:	0837RF-12-139

Filed as Large Entity

Filing Fees for Utility under 35 USC 111(a)

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

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Miscellaneous:				
Request for Continued Examination	1801	1	1200	1200
		Total in USD ($)		**1200**

Electronic Acknowledgement Receipt

EFS ID:	24533005
Application Number:	13951900
International Application Number:	
Confirmation Number:	5290
Title of Invention:	AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA
First Named Inventor/Applicant Name:	William D. Girard
Customer Number:	38441
Filer:	James Edward Walton
Filer Authorized By:	
Attorney Docket Number:	0837RF-12-139
Receipt Date:	05-JAN-2016
Filing Date:	26-JUL-2013
Time Stamp:	16:57:05
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	$1200
RAM confirmation Number	3537
Deposit Account	502806
Authorized User	WALTON, JAMES E

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

Charge any Additional Fees required under 37 CFR 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		RCE20160105.pdf	147150 3f450959a0432fd71d47b4cfc54daea6ad3b134e	yes	3

Multipart Description/PDF files in .zip description		
Document Description	**Start**	**End**
Miscellaneous Incoming Letter	1	2
Request for Continued Examination (RCE)	3	3

Warnings:

Information:

2	Fee Worksheet (SB06)	fee-info.pdf	30710 fa090cc80b688069a92b722fd4f790fa1c2f60d8	no	2

Warnings:

Information:

Total Files Size (in bytes):	177860

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

Attorney Docket No. **0837RF-12-139**

In Re Application of:	§	Examiner: **MAWARI, REDHAWN K.**
WILLIAM D. GIRARD	§	
Serial No: **13/951,900**	§	Art Unit: **3665**
Filed: **26 JULY 2013**	§	
For: **AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA**	§	Confirmation No. **5290**

TRANSMITTAL

Filed via EFS-Web
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

Please file the following enclosed documents in the subject application:

1. This Transmittal with Certificate of Transmission; and
2. Request for Continued Examination (RCE) Transmittal, form PTO/SB/30.

CERTIFICATE OF TRANSMISSION UNDER 37 C.F.R. § 1.8(a)(1)(i)(C)

Date of Transmission: 1/5/16

I hereby certify that this correspondence is being transmitted to the U.S. Patent and Trademark Office (USPTO) via the USPTO electronic filing system (EFS-Web) on the date shown above.

By: James E. Walton
James E. Walton

The above-listed documents are being filed via the U.S. Patent and Trademark Office's EFS-Web electronic filing system. The filing fees are being paid via EFS-Web by designated credit card. No additional fees are deemed to be necessary; however, the undersigned hereby authorizes the Commissioner to charge any fees that may be required, or credit any overpayments, to **Deposit Account No. 502806**.

Respectfully submitted,

1/5/16
Date

James E. Walton
Reg. No. 47,245
Law Offices of James E. Walton, P.L.L.C.
1169 N. Burleson Blvd., Suite 107-328
Burleson, Texas 76028
(817) 447-9955 (Voice)
(817) 447-9954 (Facsimile)
jim@waltonpllc.com (Email)

CUSTOMER NO. 38441

ATTORNEY FOR APPLICANTS

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/951,900	07/26/2013	William D. Girard	0837RF-12-139	5290

38441 7590 02/12/2016

LAW OFFICES OF JAMES E. WALTON, PLLC
1169 N. BURLESON BLVD.
SUITE 107-328
BURLESON, TX 76028

EXAMINER
MAWARI, REDHWAN K

ART UNIT	PAPER NUMBER
3665	

NOTIFICATION DATE	DELIVERY MODE
02/12/2016	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):

JIM@WALTONPLLC.COM

Office Action Summary	Application No. 13/951,900	Applicant(s) GIRARD ET AL.	
	Examiner REDHWAN k. MAWARI	Art Unit 3665	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 *01/05/2016*.

☐ 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) *1-4,6-14 and 16-20* is/are pending in the application.

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

6)☐ Claim(s) _____ is/are allowed.

7)☒ Claim(s) *1-4,6-14,16-20* is/are rejected.

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

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

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

Application Papers

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

11)☐ The drawing(s) filed on _____ 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: _____.

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

Claim Rejections - 35 USC § 103

1. 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.

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

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

a. Claim 1 is rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view of Shavit (2011/0241902) and further in view of Wright (6,148,179).

Regarding claim 1, Meisels discloses an aircraft, comprising:

a sensor configured to sense flight performance of the aircraft during flight;(see at least paragraph [, 0005, 0020]);

an avionics system associated with the sensor (see at least paragraph [0018, 0020, 0021]);

a database in data communication with the sensor and the avionics system, the database being configured to store information relating to a the flight performance of the aircraft during flight (see at least FIG. 1, paragraph [0018-0021, 0031]); and

a wireless transmitter in data communication with the avionics system (see at least paragraph [0020] and FIG. 1);

wherein the avionics system is configured to monitor aircraft flight performance data from the sensor (see at least paragraph [0020]); and wherein the wireless transmitter is configured to wirelessly transmit aircraft flight performance data to the wireless database (see at least paragraph [0020, 0021] and FIG. 1).

Meisels does not explicitly disclose pilot flying the aircraft during flight; and wherein the wireless transmitter is configured to wirelessly transmit aircraft flight performance data and the pilot information to an external wireless database for monitoring; a transceiver in data communication with the database and configured to receive pilot information prior to flight and associate the aircraft flight performance with the pilot information.

Shavit teaches pilot flying the aircraft during flight; and wherein the wireless transmitter is configured to wirelessly transmit aircraft flight

performance data and the pilot information to an external wireless database for monitoring ; a transceiver in data communication with the database and configured to receive pilot information prior to flight and associate the aircraft flight performance with the pilot information (see at least abstract, paragraph [0048]).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Shavit into the invention of Meisels for the purpose of improving the strategy of evaluating the pilots.

Wright teaches receiving information when the aircraft is on the ground i.e. prior to takeoff (see at least claim 18).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Wright into the invention of Meisels in view of Shavit for the purpose of improving the maintenance scheduling of the aircraft.

b. Claims 2, 3, 4, 17, 19 are rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view of Shavit (2011/0241902), Wright and further in view of Torres (2013/0141572).

Regarding claim 2, Meisels in view of Shavit does not explicitly disclose a wireless transceiver in data communication with the wireless

transmitter; wherein the wireless transceiver is configured to receive and transmit aircraft flight performance data to the wireless database.

Torres teaches a wireless transceiver in data communication with the wireless transmitter; wherein the wireless transceiver is configured to receive and transmit aircraft flight performance data to the wireless database (see at least FIG. 2, FIG. 3).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Torres into the invention of Meisels in view of Shavit for the purpose of increasing the safety of the aircraft.

Regarding claim 3, Torres teaches wherein the wireless transceiver is portable (see at least paragraph [0033], FIG. 1).

Regarding claims 4, Torres teaches wherein the wireless transceiver is a smartphone (see at least paragraph [0033], FIG. 1).

Regarding claim 17, Meisels discloses a method to monitor aircraft flight performance data, comprising:

sensing flight performance data with a sensor;

transmitting sensed flight performance data to a wireless transmitter;

wirelessly transmitting the sensed flight performance data to a wireless database (see at least FIG. 1 and paragraph [0020]);

Meiseles does not explicitly disclose monitoring flight performance data with a display operably associated with the wireless database and

Torres teaches monitoring flight performance data with a display operably associated with the wireless database (see at least FIG. 10A, paragraph [0116]).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Torres into the invention of Meisels in view of Shavit for the purpose of increasing the safety of the aircraft.

Regarding claim 19, Shavit teaches wirelessly transmitting pilot information to the database via the wireless transceiver (see at least claim 1).

c. Claims 6 and 7 are rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view of Shavit, Wright, Torres (2013/0141572) and further in view of Hedrick (2012/0265372).

Regarding claim 6, Meisels in view of Torres does not explicitly disclose wherein the wireless transceiver is configured to upload data to the avionics system via the wireless transmitter.

Hedrick teaches wherein the wireless transceiver is configured to upload data to the avionics system via the wireless transmitter (see at least abstract, FIG. 1, paragraph [0009]).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Hedric into the invention of Meisels in view of Torres for the purpose of accurately and promptly read and enter data.

Regarding claim 7, Hedrick teaches wherein the uploaded data is a flight planning data (see at least abstract, paragraph [0009]).

d. Claims 8 and 9 are rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view of Shavit (2011/0241902), Wright, Torres (2013/0141572) and further in view of Starkey (2012/0265372).

Regarding claim 8, Meisels in view of Shavit, and Torres does teach wherein the wireless transmitter removably attaches to the wireless transceiver.

Starkey teaches wherein the wireless transmitter removably attaches to the wireless transceiver (see at least paragraph [0011]).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Starkey into the invention of Meisels in view of Shavit, and

Torres for the purpose of being able to switch or upgrades without making major changes to the system.

Regarding claim 9, Starkey teaches wherein the wireless transmitter removably attaches to the avionics system (see at least paragraph [0011]).

e. Claims 10 and 18 are rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view of Shavit (2011/0241902), Wright (6,148,179) and Wright (6,167,239).

Regarding claim 10, Meisels in view of Shavit not explicitly disclose wherein the wireless transceiver is configured to receive and store aircraft flight performance data.

Wright teaches wherein the wireless transceiver is configured to receive and store aircraft flight performance data (see at least abstract).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Wright into the invention of Meisels in view of Shavit for the purpose of being able to accurately detect any malfunction an early stage.

Regarding claim 18, Wright teaches wirelessly transmitting the sensed data to a wireless transceiver operably associated with the database (see at least abstract).

f. Claim 11 is rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view Shavit, in view of Durand (2010/0105329) and further in view of Wright (6,148,179).

Regarding claim 11, Meisels discloses an aircraft flight performance monitoring system (see at least paragraph [0020]); transmitting data to a wireless database (see at least FIG. 1).

Meisels does not explicitly disclose a wireless transmitter in data communication with an avionics system of the aircraft;
a portable wireless transceiver associated with the wireless transmitter; and a wireless database associated with the wireless transmitter; wherein the wireless transmitter is configured to receive and transmit flight performance data from the avionics system to the portable wireless transceiver.

Durand teaches a wireless transmitter in data communication with an avionics system of the aircraft;
a portable wireless transceiver associated with the wireless transmitter; and a wireless database associated with the wireless transmitter; wherein the wireless transmitter is configured to receive and transmit flight

performance data from the avionics system to the portable wireless transceiver (see at least abstract).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Durand into the invention of Meisels for the purpose of being able to have access to the performance data during critical phases of flight.

Meisels does not explicitly disclose pilot flying the aircraft during flight (see at least abstract); and wherein the wireless transmitter is configured to wirelessly transmit aircraft flight performance data and the pilot information to an external wireless database for monitoring.

Shavit teaches pilot flying the aircraft during flight (see at least abstract); and wherein the wireless transmitter is configured to wirelessly transmit aircraft flight performance data and the pilot information to an external wireless database for monitoring (see at least abstract).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Shavit into the invention of Meisels for the purpose of improving the strategy of evaluating the pilots.

Wright teaches receiving information when the aircraft is on the ground i.e. prior to takeoff (see at least claim 18).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Wright into the invention of Meisels in view of Shavit for the purpose of improving the maintenance scheduling of the aircraft.

g. Claims 12 and 13 are rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view Shavit, Wright (6,148,179), Durand (2010/0105329) and further in view of Starkey (2012/0265372).

Regarding claim 12, Starkey teaches wherein the wireless transmitter removable attaches to the avionics system (see at least paragraph [0011]).

Regarding claim 13, Starkey teaches wherein the wireless transceiver is configured to receive the wireless transmitter (see at least paragraph [0011]).

h. Claims 14 and 16 are rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view Shavit, Wright (6,148,179), Durand (2010/0105329) and further in view Torres (2013/0141572).

Regarding claims 14, Torres teaches wherein the wireless transceiver is a smartphone (see at least paragraph [0033], FIG. 1).

Regarding claim 16, Torres teaches a monitor conductively coupled to the wireless database; wherein the monitor provides viewing access of flight performance data (see at least FIG. 10A, paragraph [0116]).

i. Claim 20 is rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view Shavit, Wright (6,148,179), Torres (2013/0141572) and further in view of Starkey (2012/0265372).

Regarding claim 20, Starkey teaches removably attaching the wireless transmitter to the wireless transceiver (see at least paragraph [0011]).

Conclusion

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Nguyen can be reached on 571 272 6952. 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.

/REDHWAN k MAWARI/

Primary Examiner, Art Unit 3665

Notice of References Cited	Application/Control No. 13/951,900	Applicant(s)/Patent Under Reexamination GIRARD ET AL.	
	Examiner REDHWAN k. MAWARI	Art Unit 3665	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-6,148,179 A	11-2000	Wright; Thomas H.	G08G5/0013	340/531
	B	US-				
	C	US-				
	D	US-				
	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.

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	13951900	GIRARD ET AL.
	Examiner	Art Unit
	REDHWAN k MAWARI	3665

CPC- SEARCHED		
Symbol	Date	Examiner
H04L67/12 OR H04L67/06 OR H04L29/08558 OR H04L67/14 OR H04L67/18 OR H04L67/325	6/1/2015	R.M

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
701	3,14,120,10,100,123,2,29.1	6/1/2015	R.M

SEARCH NOTES		
Search Notes	Date	Examiner
see east search	6/1/2015	R.M

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

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	13951900	GIRARD ET AL.
	Examiner	**Art Unit**
	REDHWAN k MAWARI	3665

✓	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	06/01/2015	09/28/2015							
	1	✓	✓							
	2	✓	✓							
	3	✓	✓							
	4	✓	✓							
	5	✓	-							
	6	✓	✓							
	7	✓	✓							
	8	✓	✓							
	9	✓	✓							
	10	✓	✓							
	11	✓	✓							
	12	✓	✓							
	13	✓	✓							
	14	✓	✓							
	15	✓	-							
	16	✓	✓							
	17	✓	✓							
	18	✓	✓							
	19	✓	✓							
	20	✓	✓							

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	0	transceiver with receiv$4 with flight near3 performance with pilot near3 information same prior near5 flight	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/02/08 11:39
L3	0	receiv$4 with flight near3 performance with pilot near3 information same prior near5 flight	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/02/08 11:39
L4	0	receiv$4 with flight with performance with pilot with information same prior near5 flight	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/02/08 11:39
L5	0	receiv$4 with flight with performance same pilot with information same prior near5 flight	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/02/08 11:40
L6	0	receiv$4 with flight with performance same pilot with information same prior with flight	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/02/08 11:40
L7	27	receiv$4 with flight with performance same pilot with information	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/02/08 11:40
L8	17	receiv$4 with flight with performance same pilot and (mobile or smart$phone)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/02/08 11:43
L9	90123	receiv$4 with flight with performance	US-PGPUB;	OR	OFF	2016/02/08

		same (ground or (prior near2 (flight or take$off))) pilot and (mobile or smart$phone)	USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			11:45
L10	15	receiv$4 with flight with performance same (ground or (prior near2 (flight or take$off))) and pilot and (mobile or smart$phone)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/02/08 11:45
L12	294	associat$4 with pilot with performance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/02/08 11:59
L13	26	associat$4 with pilot with flight near5 performance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/02/08 11:59
L14	2	("20110241902").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/02/08 13:02
S1	1	"13951900"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 07:31
S2	2	"7755890".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 07:39
S3	3	"7769501".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 07:39
S4	3	"8364328".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	2015/05/27 07:39

			IBM_TDB			
S5	2	("20070264953").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 07:40
S6	2	("20080228330").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 07:40
S7	3	("20100105329").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 07:40
S8	2	("20110313645").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 07:44
S9	22	avionic and sensor and wireless and transmitter and receiver and flight and transmit$3 and database	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 08:47
S10	8	(US-20150032296-$ or US-20100105329-$ or US-20080228330-$ or US-20070264953-$ or US-20110313645-$).did. or (US-8364328-$ or US-7769501-$ or US-7755890-$).did.	US-PGPUB; USPAT	OR	OFF	2015/05/27 08:50
S11	0	S9 and S10	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 08:50
S12	1	"7456756".pn.	US-PGPUB; USPAT	OR	OFF	2015/05/27 08:54
S13	0	("200500026609").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 08:56
S14	3	("20050026609").PN.	US-PGPUB; USPAT; USOCR;	OR	OFF	2015/05/27 08:56

			FPRS; EPO; JPO; DERWENT; IBM_TDB			
S15	4	("2010/0105329").URPN.	USPAT	OR	OFF	2015/05/27 09:04
S16	4	("2010/0105329").URPN.	USPAT	OR	OFF	2015/05/27 09:04
S17	37	avionic and sensor and transmitter and receiver and flight and transmit$3 and database	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 09:22
S20	20	monitor$3 with performance with sensor and transmit$4 with database and aircraft and (mobile or PDA or portable)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 09:39
S21	2	"12872283"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 14:09
S22	2413	air$craft and (smart$4 near2 phone)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/28 06:44
S23	4	air$craft and ((smart$4 near2 phone) same transmit$4 with performance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/28 06:44
S24	0	("20120265372").PN.	USPAT; USOCR	OR	OFF	2015/05/28 07:21
S25	2	("20120265372").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/28 07:21
S26	0	(12/717859).APP.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/28 12:22
S27	32	monitor$3 with performance with sensor	US-PGPUB;	OR	OFF	2015/05/28

		and transmit$4 with database and aircraft	USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			13:59
S28	1	"13984410"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/28 21:51
S29	146	monitor$3 with performance with sensor and transmit$4 with database	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/29 05:32
S30	146	monitor$3 with performance with sensor and transmit$4 with database	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/29 07:52
S31	146	monitor$3 with performance with sensor and transmit$4 with database	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/29 09:57
S32	0	transmitter with removably with attached with trasceiver	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/31 13:39
S33	6	transmitter with removably with attached with transceiver	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/31 13:39
S34	28	transmitter with removably with transceiver	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/31 13:41
S35	0	transmitter with removabl$3 with attached with avionics	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	2015/05/31 13:50

			IBM_TDB			
S36	0	transmitter with removabl$3 with attached with avionics	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/31 13:51
S37	2	transmitter with removabl$3 with avionics	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/31 13:51
S38	122	transceiver with stor$4 with performance near3 (data or information)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/31 13:56
S39	3	transmit$4 with pilot near5 identification with database	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/31 14:02
S40	18	(US-20150032296-$ or US-20100105329-$ or US-20080228330-$ or US-20070264953-$ or US-20110313645-$ or US-20050026609-$ or US-20120053777-$ or US-20130141572-$ or US-20120265372-$ or US-20020140574-$ or US-20020131730-$ or US-20040148088-$).did. or (US-8364328-$ or US-7769501-$ or US-7755890-$ or US-6408259-$ or US-8280741-$).did. or (US-6167239-$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2015/06/01 06:34
S41	35	(US-20150032296-$ or US-20100105329-$ or US-20080228330-$ or US-20070264953-$ or US-20110313645-$ or US-20050026609-$ or US-20120053777-$ or US-20130141572-$ or US-20120265372-$ or US-20020140574-$ or US-20020131730-$ or US-20040148088-$).did. or (US-8364328-$ or US-7769501-$ or US-7755890-$ or US-6408259-$ or US-8280741-$).did. or (US-6167239-$).did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/06/01 06:35
S42	278911	((H04L67/12 OR H04L67/06 OR H04L29/08558 OR H04L67/14 OR H04L67/18 OR H04L67/325 OR H04L67/36 OR H04L2012/4028 OR H04L29/08117 OR H04L29/08576 OR H04L29/08657 OR H04L29/08963 OR H04L29/0899 OR H04L67/04 OR H04L67/34 OR H04B7/18506 OR H04B1/3877 OR H04B7/18502 OR G01C23/00 OR G06F1/1632 OR G06F8/61 OR G08G5/065 OR	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/06/01 06:35

		G08G5/0013 OR G08G5/0034 OR G08G5/0043 OR B60C23/0413 OR B60C23/0433 OR B60C23/0452 OR B60C23/0461 OR B60C23/0479 OR B60C23/0493 OR G02B6/3897 OR G02B6/4201 OR G02B6/423 OR G02B6/4246 OR G02B6/4277 OR G02B6/4292 OR G05B23/0232 OR G05B23/0297 OR G07C3/00 OR G07C5/00 OR G07C5/006 OR G07C5/008).CPC. OR (701/3 OR 701/14 OR 701/120 OR 701/10 OR 701/100 OR 701/123 OR 701/2 OR 701/29.1 OR 701/30.8 OR 701/31.4 OR 701/31.5 OR 701/32.1 OR 701/32.4 OR 701/33.2 OR 701/4 OR 455/41.2 OR 455/431 OR 455/186.1 OR 455/66.1 OR 455/419 OR 455/41.1 OR 455/426.2 OR 455/67.11 OR 455/67.13 OR 455/67.16 OR 340/945 OR 340/870.16 OR 340/971 OR 340/973 OR 345/169 OR 345/633 OR 345/204 OR 345/205 OR 348/E7.085 OR 348/143 OR 348/837).CCLS.)				
S43	0	data$base same stor$3 with pilot$3 near4 fly$4 same performance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/09/28 08:29
S44	0	data$base same stor$3 with pilot$3 with fly$4 same performance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/09/28 08:30
S45	0	data$base same stor$3 same pilot$3 with fly$4 same performance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/09/28 08:30
S46	5	data$base same stor$3 same pilot$3 same fly$4 same performance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/09/28 08:30
S47	9	data$base same stor$3 same pilot$3 same train$4 same performance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/09/28 08:30
S48	0	data$base same stor$3 same pilot$3 near5 information same train$4 same performance	US-PGPUB; USPAT; USOCR; FPRS;	OR	OFF	2015/09/28 09:14

			EPO; JPO; DERWENT; IBM_TDB			
S49	4	data$base same stor$3 same pilot$3 near5 (performance or flying or data or information) same train$4 same performance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/09/28 09:15
S50	55	data$base same stor$3 same pilot$3 near5 (performance or flying or data or information) same performance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/09/28 09:17
S51	2	("20110241902").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/09/28 10:00

EAST Search History (Interference)

<This search history is empty>

2/ 8/ 2016 1:25:50 PM
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No. **0837RF-12-139**

In Re Application of:	§	Examiner: **MAWARI, REDHAWN K.**
WILLIAM D. GIRARD	§	
Serial No: **13/951,900**	§	Art Unit: **3665**
Filed: **26 JULY 2013**	§	
For: **AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA**	§	Confirmation No. **5290**

AMENDMENT

Filed via EFS-Web
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This is in response to the Office Action dated 12 February 2016, which provides for a three-month response period ending 12 May 2016.

Please enter the following amendments and consider the following remarks.

CERTIFICATE OF TRANSMISSION UNDER 37 C.F.R. § 1.8(a)(1)(i)(C)
Date of Transmission: 12 May 2016
I hereby certify that this correspondence is being transmitted to the U.S. Patent and Trademark Office (USPTO) via the USPTO electronic filing system (EFS-Web) on the date shown above. By: /jamesewaltonpat/ James E. Walton

IN THE CLAIMS:

The following is a complete listing of the claims and replaces all prior versions and listings of claims in the subject application. Please amend the claims as follows:

1. **(Currently Amended)** An aircraft, comprising:

a sensor configured to sense flight performance of the aircraft during flight;

an avionics system associated with the sensor;

a database in data communication with the sensor and the avionics system, the database being configured to store information relating to a pilot flying the aircraft during flight and the flight performance of the aircraft during flight;

a wireless transmitter in data communication with the avionics system and the database; and

a transceiver having a transceiver identity associated with pilot identification information, the transceiver being configured for receiving information relating to sensed flight performance from the wireless transmitter, for associating the thus received information with the pilot identification information associated with the transceiver identity, and for transmitting the received information with the thus associated pilot identification information to the database; ~~in data communication with the database and configured to receive pilot information prior to flight and associate the aircraft flight performance with the pilot information;~~

wherein the avionics system is configured to monitor aircraft flight performance data from the sensor. ~~sensor; and~~

~~wherein the wireless transmitter is configured to wirelessly transmit aircraft flight performance data and the pilot information to an external wireless database for monitoring.~~

2. **(Currently Amended)** The aircraft of claim 1, ~~further comprising:~~

wherein the transceiver is a wireless transceiver in data communication with the wireless transmitter;

wherein the wireless transceiver is configured to wirelessly receive and transmit aircraft flight performance data to the ~~wireless~~ database.

3. **(Currently Amended)** The aircraft of claim 2, wherein the ~~wireless~~ transceiver is portable.

4. **(Currently Amended)** The aircraft of claim 3, wherein the ~~wireless~~ transceiver is a smartphone.

5. **(Cancelled)**

6. **(Currently Amended)** The aircraft of claim 2, wherein the ~~wireless~~ transceiver is configured to upload data to the avionics system via the wireless transmitter.

7. **(Original)** The aircraft of claim 6, wherein the uploaded data is a flight planning data.

8. **(Original)** The aircraft of claim 2, wherein the wireless transmitter removably attaches to the wireless transceiver.

9. **(Original)** The aircraft of claim 1, wherein the wireless transmitter removably attaches to the avionics system.

10. **(Currently Amended)** The aircraft of claim 1, wherein the ~~wireless~~ transceiver is configured to receive and store aircraft flight performance data.

11. **(Currently Amended)** An aircraft flight performance monitoring system, comprising:

a wireless transmitter in data communication with an avionics system of [[the]] an aircraft;

~~a portable wireless transceiver associated with the wireless transmitter;~~

a database in data communication with the avionics system, the database being configured to store information relating to a pilot flying the aircraft during flight and [[the]] flight performance of the aircraft during flight;

~~an external wireless database associated with the database; and~~

a transceiver having a transceiver identity associated with pilot identification information, the transceiver being configured for receiving information relating to sensed flight performance from the wireless transmitter, for associating the thus received information with the pilot identification information associated with the transceiver identity, and for transmitting the received information with the thus associated pilot identification information to the database; ~~in data communication with the database and configured to receive pilot information prior to flight and associate the aircraft flight performance with the pilot information;~~

wherein the wireless transmitter is configured to receive and transmit flight performance data from the avionics system to the ~~portable wireless~~ transceiver, which in turn is transmitted to the ~~wireless~~ database.

12. **(Currently Amended)** The system of claim 11, wherein the wireless transmitter ~~removable~~ removably attaches to the avionics system.

13. **(Currently Amended)** The system of claim 12, wherein the ~~wireless~~ transceiver is configured to wirelessly receive information from the wireless transmitter.

14. **(Currently Amended)** The system of claim 11, wherein the ~~portable wireless~~ transceiver is a smartphone.

15. **(Cancelled)**

16. **(Cancelled)**

17. **(Currently Amended)** A method to monitor aircraft flight performance data, comprising:

~~obtaining and storing pilot information in a database prior to flight;~~

sensing flight performance data with a sensor;

transmitting, by a wireless transmitter, sensed flight performance data to a transceiver having a transceiver identity associated with pilot identification information;

associating, by the transceiver, sensed flight performance data received from the wireless transmitter with the pilot identification information associated with the transceiver identity; and

transmitting, by the transceiver, the received sensed flight performance data with the associated pilot identification information to a database. ~~the database;~~

~~wirelessly transmitting the sensed flight performance data to an external wireless database; and~~

~~monitoring flight performance data with a display operably associated with the wireless database.~~

18. **(Currently Amended)** The method of claim 17, ~~further comprising:~~ wherein the transmitting by the transceiver of the associated sensed flight performance data and pilot identification information includes wirelessly transmitting the associated sensed flight performance data and pilot identification information ~~sensed data~~ to ~~a wireless transceiver operably associated with~~ the database.

19. **(Cancelled)**

20. **(Currently Amended)** The method of claim 18, further comprising:

removably attaching the wireless transmitter to the ~~wireless~~ transceiver.

REMARKS:

Please cancel claims 16 and 19 without prejudice. Claims 5 and 15 were cancelled by previous amendment. Claims 1-4, 6-14, 17, 18, and 20 remain pending in the present Application.

Claim 1 stands rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels (US 2012/0053777) in view of Shavit (US 2011/0241902) and Wright (US 6,148,179). Claims 2, 3, 4, 17, and 19 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Shavit and Wright, further in view of Torres (US 2013/0141572). Claims 6 and 7 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Shavit, Wright, Torres and further in view of Hedrick (US 2012/0265372). Claims 8 and 9 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Shavit, Wright, Torres and further in view of Starkey (US 2012/0265372). Claims 10 and 18 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Shavit, Wright, and Wright '239 (US 6167239). Claim 11 stands rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Shavit, Durand (US 2010/0105329), and Wright. Claims 12 and 13 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Shavit, Wright, Durand and further in view of Starkey (US 2012/0265372). Claims 14 and 16 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Shavit, Wright, Durand and further in view of Torres (US 2013/0141572). Claim 20 stands rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Shavit, Wright, Torres, and Starkey. The Applicants respectfully traverse these rejections for at least the following reasons.

Since claims 16 and 19 have been cancelled, the rejections of claims 16 and 19 are considered moot.

By this Amendment, each of the independent claims has been amended to include a transceiver that has a transceiver identity that is associated with a pilot ID, and that when the transceiver receives flight performance data, the transceiver associates

the received flight performance data with the pilot ID that is associated with the particular transceiver. The transceiver then transmits the flight performance data with the associated pilot ID to a database. No new matter has been added. Support for these amendments can be found, for example, in paragraph 0023 of the Specification as filed.

The claims have also been amended to improve the grammar and form thereof.

Applicants respectfully submit that none of the cited references include a teaching of a transceiver that has a transceiver ID that is associated with a pilot ID, and none of the cited references include a teaching of a transceiver that associates such an ID with received flight performance data and then relays such associated information to a database.

For example, the Office action primarily relies on Shavit for an alleged prior teaching of the transceiver as previously claimed in the subject Application. However, Shavit only discussed the relay of data and between an airborne logger and a ground-based server via wired or wireless means. However, Shavit does not teach having a transceiver that has an ID that is associated with a pilot ID, and further fails to teach associating such pilot ID with received performance data and then transmitting the thus associated ID and performance data to a database. Applicant respectfully submits that the remaining cited references fail to cure this deficiency of Shavit. As such, none of the cited references, whether considered separately or in the proposed combinations, discloses or suggest all of the limitations of the pending claims as amended herein.

In view of the foregoing amendments and remarks, the Applicants request that the rejections of claims 1-4, 6-14, 17, 18, and 20 under §103(a) be reconsidered and withdrawn, and that the pending claims be placed in condition for allowance.

Distinctions, Other Than Those Discussed, May Exist:

It should be noted that the Applicant has merely discussed example distinctions from the references cited by the Examiner. Other distinctions may exist and Applicant reserves the right to discuss these additional distinctions in a future Response or on

Appeal. By not responding to the additional statements made by the Examiner, the Applicant does not acquiesce to the Examiner's additional statements. The remarks provided above are believed sufficient to overcome the present rejections.

CONCLUSION:

The Applicant submits that the subject application is now considered to be in condition for allowance, and an early reconsideration and issuance of a Notice of Allowance are earnestly solicited. The Examiner is invited to contact the undersigned at (817) 447-9955 with any questions, comments, or suggestions relating to the referenced patent application.

This Amendment is being filed via the U.S. Patent and Trademark Office's EFS-Web electronic filing system. No fees are deemed to be necessary; however, the Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayments, to **Deposit Account No. 502806**.

Respectfully submitted,

12 May 2016
Date

/jamesewaltonpat/

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CUSTOMER NO. 38441

ATTORNEY FOR APPLICANT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No. **0837RF-12-139**

In Re Application of:	§	Examiner: **MAWARI, REDHAWN K.**
WILLIAM D. GIRARD	§	
Serial No: **13/951,900**	§	Art Unit: **3665**
Filed: **26 JULY 2013**	§	
For: **AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA**	§	Confirmation No. **5290**

TRANSMITTAL

Filed via EFS-Web
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

Please file the following enclosed documents in the subject application:

1. This Transmittal with Certificate of Transmission; and
2. Amendment.

CERTIFICATE OF TRANSMISSION UNDER 37 C.F.R. § 1.8(a)(1)(i)(C)
Date of Transmission: 12 May 2016
I hereby certify that this correspondence is being transmitted to the U.S. Patent and Trademark Office (USPTO) via the USPTO electronic filing system (EFS-Web) on the date shown above.
By: /jamesewaltonpat/ James E. Walton

The above-listed documents are being filed via the U.S. Patent and Trademark Office's EFS-Web electronic filing system. No fees are deemed to be necessary; however, the undersigned hereby authorizes the Commissioner to charge any fees that may be required, or credit any overpayments, to **Deposit Account No. 502806**.

Respectfully submitted,

12 May 2016	/jamesewaltonpat/
Date	James E. Walton Reg. No. 47,245 Law Offices of James E. Walton, P.L.L.C. 1169 N. Burleson Blvd., Suite 107-328 Burleson, Texas 76028 (817) 447-9955 (Voice) (817) 447-9954 (Facsimile) jim@waltonpllc.com (Email)

CUSTOMER NO. 38441

ATTORNEY FOR APPLICANTS

Electronic Acknowledgement Receipt

EFS ID:	25767601
Application Number:	13951900
International Application Number:	
Confirmation Number:	5290
Title of Invention:	AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA
First Named Inventor/Applicant Name:	William D. Girard
Customer Number:	38441
Filer:	Brian Edward Harris
Filer Authorized By:	
Attorney Docket Number:	0837RF-12-139
Receipt Date:	12-MAY-2016
Filing Date:	26-JUL-2013
Time Stamp:	22:49:30
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		Amendment_20160512.pdf	46139 cbc9523dcc21b68b5f87463b944a519445199463	yes	8

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Amendment/Req. Reconsideration-After Non-Final Reject	1	1
	Claims	2	5
	Applicant Arguments/Remarks Made in an Amendment	6	8

Warnings:					
Information:					
2	Miscellaneous Incoming Letter	Transmittal_Amendment_20160512.pdf	20312 293255e317ef53ab4d558c3893b3194a3e43814e	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	66451		

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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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/951,900	07/26/2013	William D. Girard	0837RF-12-139	5290

38441 7590 08/24/2016

LAW OFFICES OF JAMES E. WALTON, PLLC
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EXAMINER	
MAWARI, REDHWAN K	

ART UNIT	PAPER NUMBER
3665	

NOTIFICATION DATE	DELIVERY MODE
08/24/2016	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):

JIM@WALTONPLLC.COM

Office Action Summary	Application No. 13/951,900	Applicant(s) GIRARD ET AL.	
	Examiner REDHWAN k. MAWARI	Art Unit 3665	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 *05/12/2016*.

☐ 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) *1-4,6-14,17,18 and 20* is/are pending in the application.

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

6)☐ Claim(s) _____ is/are allowed.

7)☒ Claim(s) *1-4,6-14 and 17-18, and 20* is/are rejected.

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

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

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

Application Papers

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

11)☒ The drawing(s) filed on *07/26/2013* 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: _____.

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

Response to Amendment

1. This Office Action is responsive to Applicant's amendment and request for reconsideration of application 13/951,900 filed on May, 12, 2016.

Claim Rejections - 35 USC § 103

1. 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.

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

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

a. Claims 1, 11, and 17 are rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view of Shavit (2011/0241902).

Regarding claim 1, Meisels discloses an aircraft, comprising:

a sensor configured to sense flight performance of the aircraft during flight;(see at least paragraph [, 0005, 0020]);

an avionics system associated with the sensor (see at least paragraph [0018, 0020, 0021]);

a database in data communication with the sensor and the avionics system, the database being configured to store information relating to a the flight performance of the aircraft during flight (see at least FIG. 1, paragraph [0018-0021, 0031]); and

a wireless transmitter in data communication with the avionics system (see at least paragraph [0020] and FIG. 1);

wherein the avionics system is configured to monitor aircraft flight performance data from the sensor (see at least paragraph [0020]); and

wherein the wireless transmitter is configured to wirelessly transmit aircraft flight performance data to the wireless database (see at least paragraph [0020, 0021] and FIG. 1).

Meisels does not explicitly disclose pilot flying the aircraft during flight; a transceiver having a transceiver identity associated with pilot identification information, the transceiver being configured for receiving information relating to sensed flight performance from the wireless transmitter, for associating the thus received information with the pilot identification information associated with the transceiver identity, and

for transmitting the received information with the thus associated pilot identification information to the database.

pilot flying the aircraft during flight (**see at least paragraph [0039], airborne data logger 202 may be utilized during flight**); a transceiver having a transceiver identity associated with pilot identification information **(see at least paragraph [0048], data sent includes pilot provided information)**, the transceiver being configured for receiving information relating to sensed flight performance from the wireless transmitter, for associating the thus received information with the pilot identification information associated with the transceiver identity, and for transmitting the received information with the thus associated pilot identification information to the database **(see at least paragraph [0050], data also includes at least of airspeed, altitude, bank and pitch angles etc..).**

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Shavit into the invention of Meisels for the purpose of improving the strategy of evaluating the pilots.

Regarding claim 11, claim 11 is rejected using the same art and rationale used to reject claim 1.

Regarding claim 17, Shavit teaches wherein the transmitting by the transceiver of the assoiciated sensed flight performance data and pilot

identification information includes wirelessly transmitting the associated sensed flight performance data and pilot identification information to the database (see at least [paragraph [0048, 0050]).

b. Claims 2, 3, 4, 17 are rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view of Shavit (2011/0241902), and further in view of Torres (2013/0141572).

Regarding claim 2, Meisels in view of Shavit does not explicitly disclose a wireless transceiver in data communication with the wireless transmitter; wherein the wireless transceiver is configured to receive and transmit aircraft flight performance data to the wireless database.

Torres teaches a wireless transceiver in data communication with the wireless transmitter; wherein the wireless transceiver is configured to receive and transmit aircraft flight performance data to the wireless database (see at least FIG. 2, FIG. 3).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Torres into the invention of Meisels in view of Shavit for the purpose of increasing the safety of the aircraft.

Regarding claim 3, Torres teaches wherein the wireless transceiver is portable (see at least paragraph [0033], FIG. 1).

Regarding claims 4, Torres teaches wherein the wireless transceiver is a smartphone (see at least paragraph [0033], FIG. 1).

c. Claims 6 and 7 are rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view of Shavit, Torres (2013/0141572) and further in view of Hedrick (2012/0265372).

Regarding claim 6, Meisels in view of Torres does not explicitly disclose wherein the wireless transceiver is configured to upload data to the avionics system via the wireless transmitter.

Hedrick teaches wherein the wireless transceiver is configured to upload data to the avionics system via the wireless transmitter (see at least abstract, FIG. 1, paragraph [0009]).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Hedric into the invention of Meisels in view of Torres for the purpose of accurately and promptly read and enter data.

Regarding claim 7, Hedrick teaches wherein the uploaded data is a flight planning data (see at least abstract, paragraph [0009]).

d. Claims 8 and 9 are rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view of Shavit (2011/0241902), Torres (2013/0141572) and further in view of Starkey (2012/0265372).

Regarding claim 8, Meisels in view of Shavit, and Torres does teach wherein the wireless transmitter removably attaches to the wireless transceiver.

Starkey teaches wherein the wireless transmitter removably attaches to the wireless transceiver (see at least paragraph [0011]).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Starkey into the invention of Meisels in view of Shavit, and Torres for the purpose of being able to switch or upgrades without making major changes to the system.

Regarding claim 9, Starkey teaches wherein the wireless transmitter removably attaches to the avionics system (see at least paragraph [0011]).

e. Claims 10 and 18 are rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view of Shavit (2011/0241902), and Wright (6,167,239).

Regarding claim 10, Meisels in view of Shavit not explicitly disclose wherein the wireless transceiver is configured to receive and store aircraft flight performance data.

Wright teaches wherein the wireless transceiver is configured to receive and store aircraft flight performance data (see at least abstract).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Wright into the invention of Meisels in view of Shavit for the purpose of being able to accurately detect any malfunction an early stage.

Regarding claim 18, Wright teaches wirelessly transmitting the sensed data to a wireless transceiver operably associated with the database (see at least abstract).

f. Claims 12 and 13 are rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view Shavit, Durand (2010/0105329) and further in view of Starkey (2012/0265372).

Regarding claim 12, Starkey teaches wherein the wireless transmitter removable attaches to the avionics system (see at least paragraph [0011]).

Regarding claim 13, Starkey teaches wherein the wireless transceiver is configured to receive the wireless transmitter (see at least paragraph [0011]).

g. Claims 14 and 16 are rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view of Shavit, Durand (2010/0105329) and further in view Torres (2013/0141572).

Regarding claims 14, Torres teaches wherein the wireless transceiver is a smartphone (see at least paragraph [0033], FIG. 1).

h. Claim 20 is rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view Shavit, Torres (2013/0141572) and further in view of Starkey (2012/0265372).

Regarding claim 20, Starkey teaches removably attaching the wireless transmitter to the wireless transceiver (see at least paragraph [0011]).

Response to Arguments

6. Applicant's arguments have been fully considered but are not persuasive. In particular the applicant argues:

A) Shavit does not teach having a transceiver that has an ID that is associated with a pilot ID, and further fails to teach associating such pilot ID with received performance data and then transmitting the thus associated ID and performance data to a database. Applicant respectfully submits that the remaining cited references fail to cure this deficiency of Shavit. As such, none of the cited references, whether considered separately or in the proposed combinations, discloses or suggest all of the limitations of the pending claims as amended herein.

In response to A) examiner respectively disagrees. Applicant is reminded that claims must be given their broadest reasonable interpretation. Given the broadest interpretation, as claimed it is the examiner's position, the reference of record teaches what he is argued. Applicant's arguments fail to comply with 37 CFR 1.111(b) because they amount to a general allegation that the claims define a patentable invention without specifically pointing out how the language of the claims patentably distinguishes them from the references. More specifically, applicant argues that Shavit does not disclose "Shavit does not teach having a transceiver that has an ID that is associated with a pilot ID, and further fails to teach associating such pilot ID with received performance data and then transmitting the thus associated ID and performance data to a database"; however applicant fails to point out how the claimed limitations are distinguished from the cited prior art, i.e. Shavit. Furthermore, Examiner strongly believes that Shavit discloses the argued limitations in at least paragraph [0048], and paragraph [0050]; wherein the pilot information, for example, names are sent to the ground station; also

data including airspeed, altitude, bank angle, which are construed as flight performance are sent to the ground server.

Conclusion

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

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Nguyen can be reached on 571 272 6952. 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.

/REDHWAN k MAWARI/

Primary Examiner, Art Unit 3665

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	13951900	GIRARD ET AL.
	Examiner	Art Unit
	REDHWAN k MAWARI	3665

CPC- SEARCHED		
Symbol	Date	Examiner
H04L67/12 OR H04L67/06 OR H04L29/08558 OR H04L67/14 OR H04L67/18 OR H04L67/325	6/1/2015	R.M

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
701	3,14,120,10,100,123,2,29.1	6/1/2015	R.M

SEARCH NOTES		
Search Notes	Date	Examiner
see east search	6/1/2015	R.M

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

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	13951900	GIRARD ET AL.
	Examiner	**Art Unit**
	REDHWAN k MAWARI	3665

✓	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	06/01/2015	09/28/2015	08/18/2016						
	1	✓	✓	✓						
	2	✓	✓	✓						
	3	✓	✓	✓						
	4	✓	✓	✓						
	5	✓	-	-						
	6	✓	✓	✓						
	7	✓	✓	✓						
	8	✓	✓	✓						
	9	✓	✓	✓						
	10	✓	✓	✓						
	11	✓	✓	✓						
	12	✓	✓	✓						
	13	✓	✓	✓						
	14	✓	✓	✓						
	15	✓	-	-						
	16	✓	✓	-						
	17	✓	✓	✓						
	18	✓	✓	✓						
	19	✓	✓	-						
	20	✓	✓	✓						

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No. **0837RF-12-139**

In Re Application of:	§	Examiner: **MAWARI, REDHAWN K.**
WILLIAM D. GIRARD	§	
Serial No: **13/951,900**	§	Art Unit: **3665**
Filed: **26 JULY 2013**	§	
For: **AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA**	§	Confirmation No. **5290**

AMENDMENT AFTER FINAL

Filed via EFS-Web
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This Amendment After Final is in response to the Office Action dated 24 August 2016, which provides for a three-month response period ending 24 November 2016.

Please enter the following amendments and consider the following remarks.

CERTIFICATE OF TRANSMISSION UNDER 37 C.F.R. § 1.8(a)(1)(i)(C)
Date of Transmission: 10/24/16
I hereby certify that this correspondence is being transmitted to the U.S. Patent and Trademark Office (USPTO) via the USPTO electronic filing system (EFS-Web) on the date shown above.
By: James E. Walton James E. Walton

IN THE CLAIMS:

The following is a complete listing of the claims and replaces all prior versions and listings of claims in the subject application. Please amend the claims as follows:

1. **(Currently Amended)** An aircraft, comprising:

a sensor configured to sense flight performance of the aircraft during flight;

an avionics system associated with the sensor;

a database in data communication with the sensor and the avionics system, the database being configured to store information relating to a pilot flying the aircraft during flight and the flight performance of the aircraft during flight;

a wireless transmitter having memory, the wireless transmitter in data communication with the avionics system and the database; and

a transceiver comprising an input device; the transceiver having a transceiver identity associated with pilot identification information, the transceiver being configured for receiving information relating to sensed flight performance from the wireless transmitter, for associating the thus received information with the pilot identification information associated with the transceiver identity, and for transmitting the received information with the thus associated pilot identification information to the database;

wherein the avionics system is configured to monitor aircraft flight performance data from the sensor; and

wherein the pilot identification information is entered into the input device.

2. **(Previously Presented)** The aircraft of claim 1, wherein the transceiver is a wireless transceiver in data communication with the wireless transmitter;

wherein the wireless transceiver is configured to wirelessly receive and transmit aircraft flight performance data to the database.

3. **(Previously Presented)** The aircraft of claim 2, wherein the transceiver is portable.

4. **(Previously Presented)** The aircraft of claim 3, wherein the transceiver is a smartphone.

5. **(Cancelled)**

6. **(Previously Presented)** The aircraft of claim 2, wherein the transceiver is configured to upload data to the avionics system via the wireless transmitter.

7. **(Original)** The aircraft of claim 6, wherein the uploaded data is a flight planning data.

8. **(Original)** The aircraft of claim 2, wherein the wireless transmitter removably attaches to the wireless transceiver.

9. **(Original)** The aircraft of claim 1, wherein the wireless transmitter removably attaches to the avionics system.

10. **(Previously Presented)** The aircraft of claim 1, wherein the transceiver is configured to receive and store aircraft flight performance data.

11. **(Currently Amended)** An aircraft flight performance monitoring system, comprising:

a wireless transmitter having memory, the wireless transmitter in data communication with an avionics system of an aircraft;

a database in data communication with the avionics system, the database being configured to store information relating to a pilot flying the aircraft during flight and flight performance of the aircraft during flight;

a transceiver comprising an input device; the transceiver having a transceiver identity associated with pilot identification information, the transceiver being configured for receiving information relating to sensed flight performance from the wireless transmitter, for associating the thus received information with the pilot identification

information associated with the transceiver identity, and for transmitting the received information with the thus associated pilot identification information to the database;

wherein the wireless transmitter is configured to receive and transmit flight performance data from the avionics system to the transceiver, which in turn is transmitted to the database; and

wherein the pilot identification information is entered into the input device of the transceiver.

12. **(Previously Presented)** The system of claim 11, wherein the wireless transmitter removably attaches to the avionics system.

13. **(Previously Presented)** The system of claim 12, wherein the transceiver is configured to wirelessly receive information from the wireless transmitter.

14. **(Previously Presented)** The system of claim 11, wherein the transceiver is a smartphone.

15. **(Cancelled)**

16. **(Cancelled)**

17. **(Currently Amended)** A method to monitor aircraft flight performance data, comprising:

sensing flight performance data with a sensor;

transmitting, by a wireless transmitter having memory, sensed flight performance data to a transceiver having a transceiver identity associated with pilot identification information;

entering the pilot identification information on the transceiver;

associating, by the transceiver, sensed flight performance data received from the wireless transmitter with the pilot identification information associated with the transceiver identity; and

transmitting, by the transceiver, the received sensed flight performance data with the associated pilot identification information to a database.

18. **(Previously Presented)** The method of claim 17, wherein the transmitting by the transceiver of the associated sensed flight performance data and pilot identification information includes wirelessly transmitting the associated sensed flight performance data and pilot identification information to the database.

19. **(Cancelled)**

20. **(Previously Presented)** The method of claim 18, further comprising:
removably attaching the wireless transmitter to the transceiver.

REMARKS:

Please cancel claims 16 and 19 without prejudice. Claims 5 and 15 were cancelled by previous amendment. Claims 1-4, 6-14, 17, 18, and 20 remain pending in the present Application.

Claims 1, 11, and 17 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels (US 2012/0053777) in view of Shavit (US 2011/0241902). Claims 2, 3, 4, & 17 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Shavit and further in view of Torres (US 2013/0141572). Claims 6 and 7 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Shavit, Wright, Torres and further in view of Hedrick (US 2012/0265372). Claims 8 and 9 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Shavit, Wright, Torres and further in view of Starkey (US 2012/0265372). Claims 10 and 18 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Shavit, Wright, and Wright '239 (US 6167239). Claims 12 and 13 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Shavit, Wright, Durand (US 2010/0105329), and further in view of Starkey (US 2012/0265372). Claims 14 and 16 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Shavit, Durand and further in view of Torres (US 2013/0141572). Claim 20 stands rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Shavit, Torres, and Starkey. The Applicants respectfully traverse these rejections for at least the following reasons.

By this Amendment, each of the independent claims has been amended to include memory for the transmitter. Support for this amendment can be found at least from paragraph 20 of the published application. Additionally, each of the independent claims has been amended to include entering the pilot specifica identifier on the transceiver Support for these amendment can be found at least, for example, in paragraph 0021 of the Specification as published.

Applicants respectfully submit that none of the cited references include a teaching of a transmitter having memory, of a transceiver that has a transceiver ID that is associated with a pilot ID and entered into the transceiver, and none of the cited references include a teaching of a transceiver that associates such an ID with received flight performance data and then relays such associated information to a database.

For example, the Office action primarily relies on Shavit for an alleged prior teaching of the transceiver as previously claimed in the subject Application. However, Shavit only discussed the relay of data and between an airborne logger and a ground-based server via wired or wireless means using an aircraft number as an identifier. However, Shavit does not teach having a transceiver that has an ID that is associated with a pilot ID entered on the transceiver, and further fails to teach associating such pilot ID with received performance data and then transmitting the thus associated ID and performance data to a database. The claimed system allows pilots data to remain private by tying the data with a unique identifier on the transceiver. Using aircraft number prevents confidentiality. Applicant respectfully submits that the remaining cited references fail to cure this deficiency of Shavit. As such, none of the cited references, whether considered separately or in the proposed combinations, discloses or suggest all of the limitations of the pending claims as amended herein.

In view of the foregoing amendments and remarks, the Applicants request that the rejections of claims 1-4, 6-14, 17, 18, and 20 under §103(a) be reconsidered and withdrawn, and that the pending claims be placed in condition for allowance.

Distinctions, Other Than Those Discussed, May Exist:

It should be noted that the Applicant has merely discussed example distinctions from the references cited by the Examiner. Other distinctions may exist and Applicant reserves the right to discuss these additional distinctions in a future Response or on Appeal.

CONCLUSION:

The Applicant submits that the subject application is now considered to be in condition for allowance, and an early reconsideration and issuance of a Notice of Allowance are earnestly solicited. The Examiner is invited to contact the undersigned at (817) 447-9955 with any questions, comments, or suggestions relating to the referenced patent application.

This Amendment After Final is being filed via the U.S. Patent and Trademark Office's EFS-Web electronic filing system. No fees are deemed to be necessary; however, the Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayments, to **Deposit Account No. 502806**.

Respectfully submitted,

10/24/16
Date

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CUSTOMER NO. 38441

ATTORNEY FOR APPLICANT

Doc Code: A.NE.AFCP
Document Description: After Final Consideration Pilot Program Request

PTO/SB/434 (05-13)

CERTIFICATION AND REQUEST FOR CONSIDERATION UNDER THE AFTER FINAL CONSIDERATION PILOT PROGRAM 2.0

Practitioner Docket No.:	Application No.:	Filing Date:
0837RF-12-139	13/951,900	26 JULY 2013
First Named Inventor:	**Title:**	
WILLIAM D. GIRARD	AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA	

APPLICANT HEREBY CERTIFIES THE FOLLOWING AND REQUESTS CONSIDERATION UNDER THE AFTER FINAL CONSIDERATION PILOT PROGRAM 2.0 (AFCP 2.0) OF THE ACCOMPANYING RESPONSE UNDER 37 CFR 1.116.

1. The above-identified application is (i) an original utility, plant, or design nonprovisional application filed under 35 U.S.C. 111(a) [a continuing application (*e.g.*, a continuation or divisional application) is filed under 35 U.S.C. 111(a) and is eligible under (i)], or (ii) an international application that has entered the national stage in compliance with 35 U.S.C. 371(c).
2. The above-identified application contains an outstanding final rejection.
3. Submitted herewith is a response under 37 CFR 1.116 to the outstanding final rejection. The response includes an amendment to at least one independent claim, and the amendment does not broaden the scope of the independent claim in any aspect.
4. This certification and request for consideration under AFCP 2.0 is the only AFCP 2.0 certification and request filed in response to the outstanding final rejection.
5. Applicant is willing and available to participate in any interview requested by the examiner concerning the present response.
6. This certification and request is being filed electronically using the Office's electronic filing system (EFS-Web).
7. Any fees that would be necessary consistent with current practice concerning responses after final rejection under 37 CFR 1.116, *e.g.*, extension of time fees, are being concurrently filed herewith. [There is no additional fee required to request consideration under AFCP 2.0.]
8. By filing this certification and request, applicant acknowledges the following:

- Reissue applications and reexamination proceedings are not eligible to participate in AFCP 2.0.
- The examiner will verify that the AFCP 2.0 submission is compliant, *i.e.*, that the requirements of the program have been met (see items 1 to 7 above). For compliant submissions:
  - The examiner will review the response under 37 CFR 1.116 to determine if additional search and/or consideration (i) is necessitated by the amendment and (ii) could be completed within the time allotted under AFCP 2.0. If additional search and/or consideration is required but cannot be completed within the allotted time, the examiner will process the submission consistent with current practice concerning responses after final rejection under 37 CFR 1.116, *e.g.*, by mailing an advisory action.
  - If the examiner determines that the amendment does not necessitate additional search and/or consideration, or if the examiner determines that additional search and/or consideration is required and could be completed within the allotted time, then the examiner will consider whether the amendment places the application in condition for allowance (after completing the additional search and/or consideration, if required). If the examiner determines that the amendment does not place the application in condition for allowance, then the examiner will contact the applicant and request an interview.
    - The interview will be conducted by the examiner, and if the examiner does not have negotiation authority, a primary examiner and/or supervisory patent examiner will also participate.
    - If the applicant declines the interview, or if the interview cannot be scheduled within ten (10) calendar days from the date that the examiner first contacts the applicant, then the examiner will proceed consistent with current practice concerning responses after final rejection under 37 CFR 1.116.

Signature	Date
James E. Walton	10/24/16
Name (Print/Typed)	**Practitioner Registration No.**
James E. Walton	47,245

Note: *This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications. Submit multiple forms if more than one signature is required, see below*.*

[✓] * Total of 1 forms are submitted.

Electronic Acknowledgement Receipt

EFS ID:	27305523
Application Number:	13951900
International Application Number:	
Confirmation Number:	5290
Title of Invention:	AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA
First Named Inventor/Applicant Name:	William D. Girard
Customer Number:	38441
Filer:	James Edward Walton
Filer Authorized By:	
Attorney Docket Number:	0837RF-12-139
Receipt Date:	24-OCT-2016
Filing Date:	26-JUL-2013
Time Stamp:	17:41:00
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		AmendmentAfterFinal20161024.pdf	453303 6d01ccd81556c573fe983d11eacd2ee30d713cfe	yes	11

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Miscellaneous Incoming Letter	1	2
	Response After Final Action	3	10
	After Final Consideration Program Request	11	11
Warnings:			
Information:			
	Total Files Size (in bytes):	453303	

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

Attorney Docket No. **0837RF-12-139**

In Re Application of:	§	Examiner: **MAWARI, REDHAWN K.**
WILLIAM D. GIRARD	§	
Serial No: **13/951,900**	§	Art Unit: **3665**
Filed: **26 JULY 2013**	§	
For: **AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA**	§	Confirmation No. **5290**

TRANSMITTAL

Filed via EFS-Web
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

Please file the following enclosed documents in the subject application:

1. This Transmittal with Certificate of Transmission;
2. Amendment After Final; and
3. Certification and Request for Consideration Under the After Final Consideration Pilot Program 2.0.

CERTIFICATE OF TRANSMISSION UNDER 37 C.F.R. § 1.8(a)(1)(i)(C)
Date of Transmission: 10/24/16
I hereby certify that this correspondence is being transmitted to the U.S. Patent and Trademark Office (USPTO) via the USPTO electronic filing system (EFS-Web) on the date shown above.
By: James E. Walton James E. Walton

The above-listed documents are being filed via the U.S. Patent and Trademark Office's EFS-Web electronic filing system. No fees are deemed to be necessary; however, the undersigned hereby authorizes the Commissioner to charge any fees that may be required, or credit any overpayments, to **Deposit Account No. 502806**.

Respectfully submitted,

10/24/16
Date

James E. Walton
Reg. No. 47,245
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CUSTOMER NO. 38441

ATTORNEY FOR APPLICANTS

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 13/951,900	Filing Date 07/26/2013	☐ 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 **10/24/2016**

	(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))	* 16	Minus	** 20	= 0	X $80 =	0
Independent (37 CFR 1.16(h))	* 3	Minus	***3	= 0	X $420 =	0
☐ Application Size Fee (37 CFR 1.16(s))						
☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
					TOTAL ADD'L FEE	0

AMENDMENT

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

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

LIE
MARGARET BYARS

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**
If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
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Alexandria, Virginia 22313-1450
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/951,900	07/26/2013	William D. Girard	0837RF-12-139	5290

38441 7590 11/15/2016

LAW OFFICES OF JAMES E. WALTON, PLLC
1169 N. BURLESON BLVD.
SUITE 107-328
BURLESON, TX 76028

EXAMINER	
MAWARI, REDHWAN K	

ART UNIT	PAPER NUMBER
3665	

NOTIFICATION DATE	DELIVERY MODE
11/15/2016	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):

JIM@WALTONPLLC.COM

Advisory Action Before the Filing of an Appeal Brief	**Application No.** 13/951,900	**Applicant(s)** GIRARD ET AL.	
	Examiner REDHWAN k. MAWARI	**Art Unit** 3665	**AIA (First Inventor to File) Status** Yes

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

THE REPLY FILED 24 October 2016 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.

NO NOTICE OF APPEAL FILED

1. ☐ The reply was filed after a final rejection. No Notice of Appeal has been filed. To avoid abandonment of this application, applicant must timely file one of the following replies: (1) an amendment, affidavit, or other evidence, which places the application in condition for allowance; (2) a Notice of Appeal (with appeal fee) in compliance with 37 CFR 41.31; or (3) a Request for Continued Examination (RCE) in compliance with 37 CFR 1.114 if this is a utility or plant application. Note that RCEs are not permitted in design applications. The reply must be filed within one of the following time periods:
   a) ☐ The period for reply expires _____months from the mailing date of the final rejection.
   b) ☒ The period for reply expires on: (1) the mailing date of this Advisory Action; or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.
   c) ☐ A prior Advisory Action was mailed more than 3 months after the mailing date of the final rejection in response to a first after-final reply filed within 2 months of the mailing date of the final rejection. The current period for reply expires months from the mailing date of *the prior Advisory Action* or SIX MONTHS from the mailing date of the final rejection, whichever is earlier.
   Examiner Note: If box 1 is checked, check either box (a), (b) or (c). ONLY CHECK BOX (b) WHEN THIS ADVISORY ACTION IS THE FIRST RESPONSE TO APPLICANT'S FIRST AFTER-FINAL REPLY WHICH WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. ONLY CHECK BOX (c) IN THE LIMITED SITUATION SET FORTH UNDER BOX (c). See MPEP 706.07(f).

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

NOTICE OF APPEAL

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

AMENDMENTS

3. ☒ The proposed amendments filed after a final rejection, but prior to the date of filing a brief, will not be entered because
   a) ☒ They raise new issues that would require further consideration and/or search (see NOTE below);
   b) ☐ They raise the issue of new matter (see NOTE below);
   c) ☐ They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or
   d) ☐ They present additional claims without canceling a corresponding number of finally rejected claims.
   NOTE: _____. (See 37 CFR 1.116 and 41.33(a)).
4. ☐ The amendments are not in compliance with 37 CFR 1.121. See attached Notice of Non-Compliant Amendment (PTOL-324).
5. ☐ Applicant's reply has overcome the following rejection(s): _____.
6. ☐ Newly proposed or amended claim(s) _____ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).
7. ☐ For purposes of appeal, the proposed amendment(s): (a) ☐ will not be entered, or (b) ☐ will be entered, and an explanation of how the new or amended claims would be rejected is provided below or appended.

AFFIDAVIT OR OTHER EVIDENCE

8. ☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.
9. ☐ The affidavit or other evidence filed after final action, but before or on the date of filing a Notice of Appeal will not be entered because applicant failed to provide a showing of good and sufficient reasons why the affidavit or other evidence is necessary and was not earlier presented. See 37 CFR 1.116(e).
10. ☐ The affidavit or other evidence filed after the date of filing the Notice of Appeal, but prior to the date of filing a brief, will not be entered because the affidavit or other evidence failed to overcome all rejections under appeal and/or appellant fails to provide a showing of good and sufficient reasons why it is necessary and was not earlier presented. See 37 CFR 41.33(d)(1).
11. ☐ The affidavit or other evidence is entered. An explanation of the status of the claims after entry is below or attached.

REQUEST FOR RECONSIDERATION/OTHER

12. ☒ The request for reconsideration has been considered but does NOT place the application in condition for allowance because: Amendments filed on 10/24/2016 require further consideration and or search.
13. ☐ Note the attached Information *Disclosure Statement*(s). (PTO/SB/08) Paper No(s). _____
14. ☒ Other: PTO-2323.

STATUS OF CLAIMS

15. The status of the claim(s) is (or will be) as follows:
    Claim(s) allowed: .
    Claim(s) objected to: .
    Claim(s) rejected: .
    Claim(s) withdrawn from consideration: .

/REDHWAN k MAWARI/
Primary Examiner, Art Unit 3665

AFCP 2.0 Decision	Application No.	Applicant(s)
	13/951,900	GIRARD ET AL.
	Examiner	Art Unit
	REDHWAN k. MAWARI	3665

This is in response to the After Final Consideration Pilot request filed 24 October 2016.

1. **Improper Request** – The AFCP 2.0 request is improper for the following reason(s) and the after final amendment submitted with the request will be treated under pre-pilot procedure.

   ☐ An AFCP 2.0 request form PTO/SB/434 (or equivalent document) was not submitted.

   ☐ A non-broadening amendment to at least one independent claim was not submitted.

   ☐ A proper AFCP 2.0 request was submitted in response to the most recent final rejection.

   ☐ Other:

2. **Proper Request**

   A. After final amendment submitted with the request will not be treated under AFCP 2.0.
   The after final amendment cannot be reviewed and a search conducted within the guidelines of the pilot program.

   ☒ The after final amendment will be treated under pre-pilot procedure.

   B. Updated search and/or completed additional consideration.
   The examiner performed an updated search and/or completed additional consideration of the after final amendment within the time authorized for the pilot program. The result(s) of the updated search and/or completed additional consideration are:

   ☐ 1. All of the rejections in the most recent final Office action are overcome and a Notice of Allowance is issued herewith.

   ☐ 2. The after final amendment would not overcome all of the rejections in the most recent final Office action. See attached interview summary for further details.

   ☐ 3. The after final amendment was reviewed, and it raises a new issue(s). See attached interview summary for further details.

   ☐ 4. The after final amendment raises new issues, but would overcome all of the rejections in the most recent final Office action. A decision on determining allowability could not be made within the guidelines of the pilot. See attached interview summary for further details, including any newly discovered prior art.

   ☐ 5. Other:

   Examiner Note: Please attach an interview summary when necessary as described above.

IN THE CLAIMS:

The following is a complete listing of the claims and replaces all prior versions and listings of claims in the subject application. Please amend the claims as follows:

1. **(Currently Amended)** An aircraft, comprising:

a sensor configured to sense flight performance of the aircraft during flight;

an avionics system associated with the sensor;

a database in data communication with the sensor and the avionics system, the database being configured to store information relating to a pilot flying the aircraft during flight and the flight performance of the aircraft during flight;

a wireless transmitter having memory, the wireless transmitter in data communication with the avionics system and the database; and

a transceiver comprising an input device; the transceiver having a transceiver identity associated with pilot identification information, the transceiver being configured for receiving information relating to sensed flight performance from the wireless transmitter, for associating the thus received information with the pilot identification information associated with the transceiver identity, and for transmitting the received information with the thus associated pilot identification information to the database;

wherein the avionics system is configured to monitor aircraft flight performance data from the sensor; and

wherein the pilot identification information is entered into the input device.

2. **(Previously Presented)** The aircraft of claim 1, wherein the transceiver is a wireless transceiver in data communication with the wireless transmitter;

wherein the wireless transceiver is configured to wirelessly receive and transmit aircraft flight performance data to the database.

3. **(Previously Presented)** The aircraft of claim 2, wherein the transceiver is portable.

4. **(Previously Presented)** The aircraft of claim 3, wherein the transceiver is a smartphone.

5. **(Cancelled)**

6. **(Previously Presented)** The aircraft of claim 2, wherein the transceiver is configured to upload data to the avionics system via the wireless transmitter.

7. **(Original)** The aircraft of claim 6, wherein the uploaded data is a flight planning data.

8. **(Original)** The aircraft of claim 2, wherein the wireless transmitter removably attaches to the wireless transceiver.

9. **(Original)** The aircraft of claim 1, wherein the wireless transmitter removably attaches to the avionics system.

10. **(Previously Presented)** The aircraft of claim 1, wherein the transceiver is configured to receive and store aircraft flight performance data.

11. **(Currently Amended)** An aircraft flight performance monitoring system, comprising:

a wireless transmitter having memory, the wireless transmitter in data communication with an avionics system of an aircraft;

a database in data communication with the avionics system, the database being configured to store information relating to a pilot flying the aircraft during flight and flight performance of the aircraft during flight;

a transceiver comprising an input device; the transceiver having a transceiver identity associated with pilot identification information, the transceiver being configured for receiving information relating to sensed flight performance from the wireless transmitter, for associating the thus received information with the pilot identification

information associated with the transceiver identity, and for transmitting the received information with the thus associated pilot identification information to the database;

wherein the wireless transmitter is configured to receive and transmit flight performance data from the avionics system to the transceiver, which in turn is transmitted to the database; and

wherein the pilot identification information is entered into the input device of the transceiver.

12. **(Previously Presented)** The system of claim 11, wherein the wireless transmitter removably attaches to the avionics system.

13. **(Previously Presented)** The system of claim 12, wherein the transceiver is configured to wirelessly receive information from the wireless transmitter.

14. **(Previously Presented)** The system of claim 11, wherein the transceiver is a smartphone.

15. **(Cancelled)**

16. **(Cancelled)**

17. **(Currently Amended)** A method to monitor aircraft flight performance data, comprising:

sensing flight performance data with a sensor;

transmitting, by a wireless transmitter having memory, sensed flight performance data to a transceiver having a transceiver identity associated with pilot identification information;

entering the pilot identification information on the transceiver;

associating, by the transceiver, sensed flight performance data received from the wireless transmitter with the pilot identification information associated with the transceiver identity; and

transmitting, by the transceiver, the received sensed flight performance data with the associated pilot identification information to a database.

18. **(Previously Presented)** The method of claim 17, wherein the transmitting by the transceiver of the associated sensed flight performance data and pilot identification information includes wirelessly transmitting the associated sensed flight performance data and pilot identification information to the database.

19. **(Cancelled)**

20. **(Previously Presented)** The method of claim 18, further comprising:
removably attaching the wireless transmitter to the transceiver.

PTO/SB/30EFS (07-14)
Approved for use through 07/31/2016. OMB 0651-0031
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REQUEST FOR CONTINUED EXAMINATION(RCE)TRANSMITTAL
(Submitted Only via EFS-Web)

Application Number	13/951,900	Filing Date	2013-07-26	Docket Number (if applicable)	0837RF-12-139	Art Unit	3665
First Named Inventor	WILLIAM D. GIRARD			Examiner Name	MAWARI, REDHWAN K.		

This is a Request for Continued Examination (RCE) under 37 CFR 1.114 of the above-identified application.
Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8, 1995, to any international application that does not comply with the requirements of 35 U.S.C. 371, or to any design application. The Instruction Sheet for this form is located at WWW.USPTO.GOV.

SUBMISSION REQUIRED UNDER 37 CFR 1.114

Note: If the RCE is proper, any previously filed unentered amendments and amendments enclosed with the RCE will be entered in the order in which they were filed unless applicant instructs otherwise. If applicant does not wish to have any previously filed unentered amendment(s) entered, applicant must request non-entry of such amendment(s).

☒ Previously submitted. If a final Office action is outstanding, any amendments filed after the final Office action may be considered as a submission even if this box is not checked.

☐ Consider the arguments in the Appeal Brief or Reply Brief previously filed on _____

☒ Other Amendment After Final filed 2016-10-24

☐ Enclosed

☐ Amendment/Reply

☐ Information Disclosure Statement (IDS)

☐ Affidavit(s)/ Declaration(s)

☐ Other _____

MISCELLANEOUS

☐ Suspension of action on the above-identified application is requested under 37 CFR 1.103(c) for a period of months _____ (Period of suspension shall not exceed 3 months; Fee under 37 CFR 1.17(i) required)

☐ Other _____

FEES

The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.

☒ The Director is hereby authorized to charge any underpayment of fees, or credit any overpayments, to Deposit Account No 502806

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

☒ Patent Practitioner Signature

☐ Applicant Signature

PTO/SB/30EFS (07-14)
Approved for use through 07/31/2016. 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.

Signature of Registered U.S. Patent Practitioner			
Signature	/jamesewaltonpat/	Date (YYYY-MM-DD)	2016-11-23
Name	James E. Walton	Registration Number	47245

This collection of information is required by 37 CFR 1.114. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450.

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

Electronic Patent Application Fee Transmittal

Application Number:	13951900
Filing Date:	26-Jul-2013
Title of Invention:	AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA
First Named Inventor/Applicant Name:	William D. Girard
Filer:	James Edward Walton
Attorney Docket Number:	0837RF-12-139

Filed as Large Entity

Filing Fees for Utility under 35 USC 111(a)

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

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Miscellaneous:				
RCE- 2ND AND SUBSEQUENT REQUEST	1820	1	1700	1700
		Total in USD ($)		**1700**

Electronic Acknowledgement Receipt

EFS ID:	27598489
Application Number:	13951900
International Application Number:	
Confirmation Number:	5290
Title of Invention:	AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA
First Named Inventor/Applicant Name:	William D. Girard
Customer Number:	38441
Filer:	James Edward Walton
Filer Authorized By:	
Attorney Docket Number:	0837RF-12-139
Receipt Date:	23-NOV-2016
Filing Date:	26-JUL-2013
Time Stamp:	10:24:02
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	EFT
Payment was successfully received in RAM	$1700
RAM confirmation Number	112316INTEFSW10244600
Deposit Account	502806
Authorized User	James Walton

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

37 CFR 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		RCE20161123.pdf	139588 b348e10b923de858f4c62d7b476676e29f0f1b7d	yes	4

Multipart Description/PDF files in .zip description		
Document Description	**Start**	**End**
Miscellaneous Incoming Letter	1	2
Request for Continued Examination (RCE)	3	4

Warnings:

Information:

2	Fee Worksheet (SB06)	fee-info.pdf	30636 ad26ce4a530c4c5a35b89770d71098f808e4d64b	no	2

Warnings:

Information:

Total Files Size (in bytes):	170224

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

Attorney Docket No. **0837RF-12-139**

In Re Application of:	§	Examiner: **MAWARI, REDHWAN K.**
WILLIAM D. GIRARD	§	
Serial No: **13/951,900**	§	Art Unit: **3665**
Filed: **26 JULY 2013**	§	
For: **AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA**	§	Confirmation No. **5290**

TRANSMITTAL

Filed via EFS-Web
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

Please file the following enclosed documents in the subject application:

1. This Transmittal with Certificate of Transmission; and
2. Request for Continued Examination (RCE) Transmittal, form PTO/SB/30.

CERTIFICATE OF TRANSMISSION UNDER 37 C.F.R. § 1.8(a)(1)(i)(C)
Date of Transmission: 11/23/16
I hereby certify that this correspondence is being transmitted to the U.S. Patent and Trademark Office (USPTO) via the USPTO electronic filing system (EFS-Web) on the date shown above.
By: James E. Walton James E. Walton

The above-listed documents are being filed via the U.S. Patent and Trademark Office's EFS-Web electronic filing system. The filing fees are being paid via EFS-Web by designated credit card. No additional fees are deemed to be necessary; however, the undersigned hereby authorizes the Commissioner to charge any fees that may be required, or credit any overpayments, to **Deposit Account No. 502806**.

Respectfully submitted,

11/23/16
Date

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CUSTOMER NO. 38441

ATTORNEY FOR APPLICANTS

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/951,900	07/26/2013	William D. Girard	0837RF-12-139	5290

38441 7590 02/07/2017

LAW OFFICES OF JAMES E. WALTON, PLLC
1169 N. BURLESON BLVD.
SUITE 107-328
BURLESON, TX 76028

EXAMINER
MAWARI, REDHWAN K

ART UNIT	PAPER NUMBER
3665	

NOTIFICATION DATE	DELIVERY MODE
02/07/2017	ELECTRONIC

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

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

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

JIM@WALTONPLLC.COM

Office Action Summary	Application No. 13/951,900	Applicant(s) GIRARD ET AL.	
	Examiner REDHWAN k. MAWARI	Art Unit 3665	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 *10/24/2016*.

☐ 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) *1-4,6-14 and 16-20* is/are pending in the application.

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

6)☐ Claim(s) _____ is/are allowed.

7)☒ Claim(s) *1-4,6-14,16-20* is/are rejected.

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

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

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

Application Papers

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

11)☐ The drawing(s) filed on _____ 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: _____.

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

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 11 June 2016 has been entered.

Claim Rejections - 35 USC § 103

1. 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.

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

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

a. Claim 1 is rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view of Shavit (2011/0241902) and further in view of Wright (6,148,179).

Regarding claim 1, Meisels discloses an aircraft, comprising:

a sensor configured to sense flight performance of the aircraft during flight;(see at least paragraph [, 0005, 0020]);

an avionics system associated with the sensor (see at least paragraph [0018, 0020, 0021]);

a database in data communication with the sensor and the avionics system, the database being configured to store information relating to a the flight performance of the aircraft during flight (see at least FIG. 1, paragraph [0018-0021, 0031]); and

a wireless transmitter in data communication with the avionics system (see at least paragraph [0020] and FIG. 1);

wherein the avionics system is configured to monitor aircraft flight performance data from the sensor (see at least paragraph [0020]); and

wherein the wireless transmitter is configured to wirelessly transmit aircraft flight performance data to the wireless database (see at least paragraph [0020, 0021] and FIG. 1).

Meisels does not explicitly disclose pilot flying the aircraft during flight; and wherein the wireless transmitter is configured to wirelessly transmit aircraft flight performance data and the pilot

information to an external wireless database for monitoring; a transceiver in data communication with the database and configured to receive pilot information prior to flight and associate the aircraft flight performance with the pilot information.

Shavit teaches pilot flying the aircraft during flight; and wherein the wireless transmitter is configured to wirelessly transmit aircraft flight performance data and the pilot information to an external wireless database for monitoring ; a transceiver in data communication with the database and configured to receive pilot information prior to flight and associate the aircraft flight performance with the pilot information (see at least abstract, paragraph [0048]).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Shavit into the invention of Meisels for the purpose of improving the strategy of evaluating the pilots.

Wright teaches receiving information when the aircraft is on the ground i.e. prior to takeoff (see at least claim 18).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Wright into the invention of Meisels in view of Shavit for the purpose of improving the maintenance scheduling of the aircraft.

Shavit further teaches a wireless transmitter having a memory, a transceiver comprising input device, transceiver identity associated with pilot identification information; wherein the pilot identification information is entered into the input device (see at least paragraph [0007], data logger comprising a memory unit, transmitting and receiving unit, [0045], bi-directional data-link wireless data communication, wherein the data is encrypted, [0108], data logger connects to additional inputs and types or select his name, the name of the co-pilot, and aircraft serial number before starting any communication, FIG. 2).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Shavit into the invention of Meisels for the purpose of increasing the pace of the pilots, self-improvement and increasing the flight safety (seat paragraph [0005]).

b. Claims 2, 3, 4, 17, 19 are rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view of Shavit (2011/0241902), Wright and further in view of Torres (2013/0141572).

Regarding claim 2, Meisels in view of Shavit does not explicitly disclose a wireless transceiver in data communication with the wireless

transmitter; wherein the wireless transceiver is configured to receive and transmit aircraft flight performance data to the wireless database.

Torres teaches a wireless transceiver in data communication with the wireless transmitter; wherein the wireless transceiver is configured to receive and transmit aircraft flight performance data to the wireless database (see at least FIG. 2, FIG. 3).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Torres into the invention of Meisels in view of Shavit for the purpose of increasing the safety of the aircraft.

Regarding claim 3, Torres teaches wherein the wireless transceiver is portable (see at least paragraph [0033], FIG. 1).

Regarding claims 4, Torres teaches wherein the wireless transceiver is a smartphone (see at least paragraph [0033], FIG. 1).

Regarding claim 17, Meisels discloses a method to monitor aircraft flight performance data, comprising:

sensing flight performance data with a sensor;

transmitting sensed flight performance data to a wireless transmitter;

wirelessly transmitting the sensed flight performance data to a wireless database (see at least FIG. 1 and paragraph [0020]);

Meiseles does not explicitly disclose monitoring flight performance data with a display operably associated with the wireless database and

Torres teaches monitoring flight performance data with a display operably associated with the wireless database (see at least FIG. 10A, paragraph [0116]).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Torres into the invention of Meisels in view of Shavit for the purpose of increasing the safety of the aircraft.

Shavit further teaches a wireless transmitter having a memory, a transceiver comprising input device, transceiver identity associated with pilot identification information; wherein the pilot identification information is entered into the input device (see at least paragraph [0007], data logger comprising a memory unit, transmitting and receiving unit, [0045], bi-directional data-link wireless data communication, wherein the data is encrypted, [0108], data logger connects to additional inputs and types or select his name, the name of the co-pilot, and aircraft serial number before starting any communication, FIG. 2).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Shavit into the invention of Meisels for the purpose of

increasing the pace of the pilots, self-improvement and increasing the flight safety (seat paragraph [0005]).

Regarding claim 19, Shavit teaches wirelessly transmitting pilot information to the database via the wireless transceiver (see at least claim 1).

c. Claims 6 and 7 are rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view of Shavit, Wright, Torres (2013/0141572) and further in view of Hedrick (2012/0265372).

Regarding claim 6, Meisels in view of Torres does not explicitly disclose wherein the wireless transceiver is configured to upload data to the avionics system via the wireless transmitter.

Hedrick teaches wherein the wireless transceiver is configured to upload data to the avionics system via the wireless transmitter (see at least abstract, FIG. 1, paragraph [0009]).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Hedric into the invention of Meisels in view of Torres for the purpose of accurately and promptly read and enter data.

Regarding claim 7, Hedrick teaches wherein the uploaded data is a flight planning data (see at least abstract, paragraph [0009]).

d. Claims 8 and 9 are rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view of Shavit (2011/0241902), Wright, Torres (2013/0141572) and further in view of Starkey (2012/0265372).

Regarding claim 8, Meisels in view of Shavit, and Torres does teach wherein the wireless transmitter removably attaches to the wireless transceiver.

Starkey teaches wherein the wireless transmitter removably attaches to the wireless transceiver (see at least paragraph [0011]).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Starkey into the invention of Meisels in view of Shavit, and Torres for the purpose of being able to switch or upgrades without making major changes to the system.

Regarding claim 9, Starkey teaches wherein the wireless transmitter removably attaches to the avionics system (see at least paragraph [0011]).

e. Claims 10 and 18 are rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view of Shavit (2011/0241902), Wright (6,148,179) and Wright (6,167,239).

Regarding claim 10, Meisels in view of Shavit not explicitly disclose wherein the wireless transceiver is configured to receive and store aircraft flight performance data.

Wright teaches wherein the wireless transceiver is configured to receive and store aircraft flight performance data (see at least abstract).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Wright into the invention of Meisels in view of Shavit for the purpose of being able to accurately detect any malfunction an early stage.

Regarding claim 18, Wright teaches wirelessly transmitting the sensed data to a wireless transceiver operably associated with the database (see at least abstract).

f. Claim 11 is rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view Shavit, in view of Durand (2010/0105329) and further in view of Wright (6,148,179).

Regarding claim 11, Meisels discloses an aircraft flight performance monitoring system (see at least paragraph [0020]); transmitting data to a wireless database (see at least FIG. 1).

Meisels does not explicitly disclose a wireless transmitter in data communication with an avionics system of the aircraft;
a portable wireless transceiver associated with the wireless transmitter; and a wireless database associated with the wireless transmitter; wherein the wireless transmitter is configured to receive and transmit flight performance data from the avionics system to the portable wireless transceiver.

Durand teaches a wireless transmitter in data communication with an avionics system of the aircraft;
a portable wireless transceiver associated with the wireless transmitter; and a wireless database associated with the wireless transmitter; wherein the wireless transmitter is configured to receive and transmit flight performance data from the avionics system to the portable wireless transceiver (see at least abstract).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Durand into the invention of Meisels for the purpose of being able to have access to the performance data during critical phases of flight.

Meisels does not explicitly disclose pilot flying the aircraft during flight (see at least abstract); and wherein the wireless transmitter is configured to wirelessly transmit aircraft flight performance data and the pilot information to an external wireless database for monitoring.

Shavit teaches pilot flying the aircraft during flight (see at least abstract); and wherein the wireless transmitter is configured to wirelessly transmit aircraft flight performance data and the pilot information to an external wireless database for monitoring (see at least abstract).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Shavit into the invention of Meisels for the purpose of improving the strategy of evaluating the pilots.

Wright teaches receiving information when the aircraft is on the ground i.e. prior to takeoff (see at least claim 18).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Wright into the invention of Meisels in view of Shavit for the purpose of improving the maintenance scheduling of the aircraft.

Shavit further teaches a wireless transmitter having a memory, a transceiver comprising input device, transceiver identity associated with pilot identification information; wherein the pilot identification information is entered into the input device (see at least paragraph [0007], data logger

comprising a memory unit, transmitting and receiving unit, [0045], bi-directional data-link wireless data communication, wherein the data is encrypted, [0108], data logger connects to additional inputs and types or select his name, the name of the co-pilot, and aircraft serial number before starting any communication, FIG. 2).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Shavit into the invention of Meisels for the purpose of increasing the pace of the pilots, self-improvement and increasing the flight safety (seat paragraph [0005]).

g. Claims 12 and 13 are rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view Shavit, Wright (6,148,179), Durand (2010/0105329) and further in view of Starkey (2012/0265372).

Regarding claim 12, Starkey teaches wherein the wireless transmitter removable attaches to the avionics system (see at least paragraph [0011]).

Regarding claim 13, Starkey teaches wherein the wireless transceiver is configured to receive the wireless transmitter (see at least paragraph [0011]).

h. Claims 14 and 16 are rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view Shavit, Wright (6,148,179), Durand (2010/0105329) and further in view Torres (2013/0141572).

Regarding claims 14, Torres teaches wherein the wireless transceiver is a smartphone (see at least paragraph [0033], FIG. 1).

Regarding claim 16, Torres teaches a monitor conductively coupled to the wireless database; wherein the monitor provides viewing access of flight performance data (see at least FIG. 10A, paragraph [0116]).

i. Claim 20 is rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view Shavit, Wright (6,148,179), Torres (2013/0141572) and further in view of Starkey (2012/0265372).

Regarding claim 20, Starkey teaches removably attaching the wireless transmitter to the wireless transceiver (see at least paragraph [0011]).

Conclusion

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Nguyen can be reached on 571 272 6952. 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.

/REDHWAN k MAWARI/

Primary Examiner, Art Unit 3665

Notice of References Cited	Application/Control No. 13/951,900	Applicant(s)/Patent Under Reexamination GIRARD ET AL.	
	Examiner REDHWAN k. MAWARI	Art Unit 3665	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-6,148,179 A	11-2000	Wright; Thomas H.	G08G5/0013	340/531
	B	US-				
	C	US-				
	D	US-				
	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.

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	13951900	GIRARD ET AL.
	Examiner	**Art Unit**
	REDHWAN k MAWARI	3665

✓	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	06/01/2015	09/28/2015	08/18/2016						
	1	✓	✓	✓						
	2	✓	✓	✓						
	3	✓	✓	✓						
	4	✓	✓	✓						
	5	✓	-	-						
	6	✓	✓	✓						
	7	✓	✓	✓						
	8	✓	✓	✓						
	9	✓	✓	✓						
	10	✓	✓	✓						
	11	✓	✓	✓						
	12	✓	✓	✓						
	13	✓	✓	✓						
	14	✓	✓	✓						
	15	✓	-	-						
	16	✓	✓	-						
	17	✓	✓	✓						
	18	✓	✓	✓						
	19	✓	✓	-						
	20	✓	✓	✓						

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	1	"13951900"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/01 08:08
L4	627728	transceiver identity with pilot near3 identity	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/01 08:32
L5	0	transceiver near4 identity with pilot near3 identity	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/01 08:32
L6	0	transceiver near4 identity with pilot near3 identit$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/01 08:32
L7	0	transceiver near4 identit$3 with pilot near3 identit$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/01 08:32
L8	14	transmitter near4 identit$3 with pilot near3 identit$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/01 08:32
S1	1	"13951900"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 07:31
S2	2	"7755890".pn.	US-PGPUB;	OR	OFF	2015/05/27

			USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			07:39
S3	3	"7769501".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 07:39
S4	3	"8364328".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 07:39
S5	2	("20070264953").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 07:40
S6	2	("20080228330").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 07:40
S7	3	("20100105329").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 07:40
S8	2	("20110313645").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 07:44
S9	22	avionic and sensor and wireless and transmitter and receiver and flight and transmit$3 and database	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 08:47
S10	8	(US-20150032296-$ or US-20100105329-$ or US-20080228330-$ or US-20070264953-$ or US-20110313645-$).did. or (US-8364328-$ or US-7769501-$ or US-7755890-$).did.	US-PGPUB; USPAT	OR	OFF	2015/05/27 08:50
S11	0	S9 and S10	US-PGPUB;	OR	OFF	2015/05/27

			USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			08:50
S12	1	"7456756".pn.	US-PGPUB; USPAT	OR	OFF	2015/05/27 08:54
S13	0	("200500026609").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 08:56
S14	3	("20050026609").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 08:56
S15	4	("2010/0105329").URPN.	USPAT	OR	OFF	2015/05/27 09:04
S16	4	("2010/0105329").URPN.	USPAT	OR	OFF	2015/05/27 09:04
S17	37	avionic and sensor and transmitter and receiver and flight and transmit$3 and database	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 09:22
S20	20	monitor$3 with performance with sensor and transmit$4 with database and aircraft and (mobile or PDA or portable)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 09:39
S21	2	"12872283"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 14:09
S22	2413	air$craft and (smart$4 near2 phone)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/28 06:44
S23	4	air$craft and ((smart$4 near2 phone) same transmit$4 with performance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	2015/05/28 06:44

			IBM_TDB			
S24	0	("20120265372").PN.	USPAT; USOCR	OR	OFF	2015/05/28 07:21
S25	2	("20120265372").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/28 07:21
S26	0	(12/717859).APP.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/28 12:22
S27	32	monitor$3 with performance with sensor and transmit$4 with database and aircraft	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/28 13:59
S28	1	"13984410"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/28 21:51
S29	146	monitor$3 with performance with sensor and transmit$4 with database	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/29 05:32
S30	146	monitor$3 with performance with sensor and transmit$4 with database	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/29 07:52
S31	146	monitor$3 with performance with sensor and transmit$4 with database	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/29 09:57
S32	0	transmitter with removably with attached with trasceiver	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/31 13:39
S33	6	transmitter with removably with attached	US-PGPUB;	OR	OFF	2015/05/31

		with transceiver	USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			13:39
S34	28	transmitter with removably with transceiver	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/31 13:41
S35	0	transmitter with removabl$3 with attached with avionics	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/31 13:50
S36	0	transmitter with removabl$3 with attached with avionics	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/31 13:51
S37	2	transmitter with removabl$3 with avionics	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/31 13:51
S38	122	transceiver with stor$4 with performance near3 (data or information)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/31 13:56
S39	3	transmit$4 with pilot near5 identification with database	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/31 14:02
S40	18	(US-20150032296-$ or US-20100105329-$ or US-20080228330-$ or US-20070264953-$ or US-20110313645-$ or US-20050026609-$ or US-20120053777-$ or US-20130141572-$ or US-20120265372-$ or US-20020140574-$ or US-20020131730-$ or US-20040148088-$).did. or (US-8364328-$ or US-7769501-$ or US-7755890-$ or US-6408259-$ or US-8280741-$).did. or (US-6167239-$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2015/06/01 06:34
S41	35	(US-20150032296-$ or US-20100105329-$ or US-20080228330-$ or	US-PGPUB; USPAT;	OR	OFF	2015/06/01 06:35

		US-20070264953-$ or US-20110313645-$ or US-20050026609-$ or US-20120053777-$ or US-20130141572-$ or US-20120265372-$ or US-20020140574-$ or US-20020131730-$ or US-20040148088-$).did. or (US-8364328-$ or US-7769501-$ or US-7755890-$ or US-6408259-$ or US-8280741-$).did. or (US-6167239-$).did.	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S42	278911	((H04L67/12 OR H04L67/06 OR H04L29/08558 OR H04L67/14 OR H04L67/18 OR H04L67/325 OR H04L67/36 OR H04L2012/4028 OR H04L29/08117 OR H04L29/08576 OR H04L29/08657 OR H04L29/08963 OR H04L29/0899 OR H04L67/04 OR H04L67/34 OR H04B7/18506 OR H04B1/3877 OR H04B7/18502 OR G01C23/00 OR G06F1/1632 OR G06F8/61 OR G08G5/065 OR G08G5/0013 OR G08G5/0034 OR G08G5/0043 OR B60C23/0413 OR B60C23/0433 OR B60C23/0452 OR B60C23/0461 OR B60C23/0479 OR B60C23/0493 OR G02B6/3897 OR G02B6/4201 OR G02B6/423 OR G02B6/4246 OR G02B6/4277 OR G02B6/4292 OR G05B23/0232 OR G05B23/0297 OR G07C3/00 OR G07C5/00 OR G07C5/006 OR G07C5/008).CPC. OR (701/3 OR 701/14 OR 701/120 OR 701/10 OR 701/100 OR 701/123 OR 701/2 OR 701/29.1 OR 701/30.8 OR 701/31.4 OR 701/31.5 OR 701/32.1 OR 701/32.4 OR 701/33.2 OR 701/4 OR 455/41.2 OR 455/431 OR 455/186.1 OR 455/66.1 OR 455/419 OR 455/41.1 OR 455/426.2 OR 455/67.11 OR 455/67.13 OR 455/67.16 OR 340/945 OR 340/870.16 OR 340/971 OR 340/973 OR 345/169 OR 345/633 OR 345/204 OR 345/205 OR 348/E7.085 OR 348/143 OR 348/837).CCLS.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/06/01 06:35
S43	0	data$base same stor$3 with pilot$3 near4 fly$4 same performance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/09/28 08:29
S44	0	data$base same stor$3 with pilot$3 with fly$4 same performance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/09/28 08:30
S45	0	data$base same stor$3 same pilot$3 with fly$4 same performance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	2015/09/28 08:30

			IBM_TDB			
S46	5	data$base same stor$3 same pilot$3 same fly$4 same performance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/09/28 08:30
S47	9	data$base same stor$3 same pilot$3 same train$4 same performance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/09/28 08:30
S48	0	data$base same stor$3 same pilot$3 near5 information same train$4 same performance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/09/28 09:14
S49	4	data$base same stor$3 same pilot$3 near5 (performance or flying or data or information) same train$4 same performance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/09/28 09:15
S50	55	data$base same stor$3 same pilot$3 near5 (performance or flying or data or information) same performance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/09/28 09:17
S51	2	("20110241902").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/09/28 10:00
S52	0	transceiver with receiv$4 with flight near3 performance with pilot near3 information same prior near5 flight	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/02/08 11:39
S53	0	receiv$4 with flight near3 performance with pilot near3 information same prior near5 flight	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/02/08 11:39
S54	0	receiv$4 with flight with performance with pilot with information same prior near5 flight	US-PGPUB; USPAT; USOCR; FPRS;	OR	OFF	2016/02/08 11:39

			EPO; JPO; DERWENT; IBM_TDB			
S55	0	receiv$4 with flight with performance same pilot with information same prior near5 flight	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/02/08 11:40
S56	0	receiv$4 with flight with performance same pilot with information same prior with flight	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/02/08 11:40
S57	27	receiv$4 with flight with performance same pilot with information	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/02/08 11:40
S58	17	receiv$4 with flight with performance same pilot and (mobile or smart$phone)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/02/08 11:43
S59	90123	receiv$4 with flight with performance same (ground or (prior near2 (flight or take$off))) pilot and (mobile or smart$phone)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/02/08 11:45
S60	15	receiv$4 with flight with performance same (ground or (prior near2 (flight or take$off))) and pilot and (mobile or smart$phone)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/02/08 11:45
S61	294	associat$4 with pilot with performance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/02/08 11:59
S62	26	associat$4 with pilot with flight near5 performance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/02/08 11:59
S63	2	("20110241902").PN.	US-PGPUB; USPAT;	OR	OFF	2016/02/08 13:02

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			

EAST Search History (Interference)

< This search history is empty>

2/ 1/ 2017 9:20:16 AM
C:\ Users\ rmawari\ Documents\ EAST\ Workspaces\ 13951900.wsp

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	13951900	GIRARD ET AL.
	Examiner	Art Unit
	REDHWAN k MAWARI	3665

CPC- SEARCHED		
Symbol	Date	Examiner
H04L67/12 OR H04L67/06 OR H04L29/08558 OR H04L67/14 OR H04L67/18 OR H04L67/325	6/1/2015	R.M

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
701	3,14,120,10,100,123,2,29.1	6/1/2015	R.M

SEARCH NOTES		
Search Notes	Date	Examiner
see east search	6/1/2015	R.M

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

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No. **0837RF-12-139**

In Re Application of:	§	Examiner: **MAWARI, REDHAWN K.**
WILLIAM D. GIRARD	§	
Serial No: **13/951,900**	§	Art Unit: **3665**
Filed: **26 JULY 2013**	§	
For: **AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA**	§	Confirmation No. **5290**

AMENDMENT

Filed via EFS-Web
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This Amendment is in response to the Office Action dated 7 February 2017, which provides for a three-month response period ending 7 May 2017.

Please enter the following amendments and consider the following remarks.

CERTIFICATE OF TRANSMISSION UNDER 37 C.F.R. § 1.8(a)(1)(i)(C)
Date of Transmission: 5/8/17
I hereby certify that this correspondence is being transmitted to the U.S. Patent and Trademark Office (USPTO) via the USPTO electronic filing system (EFS-Web) on the date shown above.
By: James E. Walton

IN THE CLAIMS:

The following is a complete listing of the claims and replaces all prior versions and listings of claims in the subject application. Please amend the claims as follows:

1. **(Currently Amended)** An aircraft, comprising:

a sensor configured to sense flight performance of the aircraft during flight;

an avionics system associated with the sensor;

a database in data communication with the sensor and the avionics system, the database being configured to store information relating to a pilot flying the aircraft during flight and the flight performance of the aircraft during flight;

a wireless transmitter having memory, the wireless transmitter in data communication with the avionics system and the database; and

a transceiver comprising an input device; the transceiver having a transceiver identity associated with pilot identification information, the transceiver being configured for receiving information relating to sensed flight performance from the wireless transmitter, for associating the thus received information with the pilot identification information associated with the transceiver identity, and for transmitting the received information with the thus associated pilot identification information to the database;

wherein the stored sensed flight performance is only accessible with the associated pilot identification information;

wherein the avionics system is configured to monitor aircraft flight performance data from the sensor; and

wherein the pilot identification information is entered into the input device.

2. **(Previously Presented)** The aircraft of claim 1, wherein the transceiver is a wireless transceiver in data communication with the wireless transmitter;

wherein the wireless transceiver is configured to wirelessly receive and transmit aircraft flight performance data to the database.

3. **(Previously Presented)** The aircraft of claim 2, wherein the transceiver is portable.

4. **(Previously Presented)** The aircraft of claim 3, wherein the transceiver is a smartphone.

5. **(Cancelled)**

6. **(Previously Presented)** The aircraft of claim 2, wherein the transceiver is configured to upload data to the avionics system via the wireless transmitter.

7. **(Original)** The aircraft of claim 6, wherein the uploaded data is a flight planning data.

8. **(Original)** The aircraft of claim 2, wherein the wireless transmitter removably attaches to the wireless transceiver.

9. **(Original)** The aircraft of claim 1, wherein the wireless transmitter removably attaches to the avionics system.

10. **(Previously Presented)** The aircraft of claim 1, wherein the transceiver is configured to receive and store aircraft flight performance data.

11. **(Currently Amended)** An aircraft flight performance monitoring system, comprising:

a wireless transmitter having memory, the wireless transmitter in data communication with an avionics system of an aircraft;

a database in data communication with the avionics system, the database being configured to store information relating to a pilot flying the aircraft during flight and flight performance of the aircraft during flight;

a transceiver comprising an input device; the transceiver having a transceiver identity associated with pilot identification information, the transceiver being configured for receiving information relating to sensed flight performance from the wireless transmitter, for associating the thus received information with the pilot identification information associated with the transceiver identity, and for transmitting the received information with the thus associated pilot identification information to the database;

wherein the stored sensed flight performance is only accessible with the associated pilot identification information;

wherein the wireless transmitter is configured to receive and transmit flight performance data from the avionics system to the transceiver, which in turn is transmitted to the database; and

wherein the pilot identification information is entered into the input device of the transceiver.

12. **(Previously Presented)** The system of claim 11, wherein the wireless transmitter removably attaches to the avionics system.

13. **(Previously Presented)** The system of claim 12, wherein the transceiver is configured to wirelessly receive information from the wireless transmitter.

14. **(Previously Presented)** The system of claim 11, wherein the transceiver is a smartphone.

15. **(Cancelled)**

16. **(Cancelled)**

17. **(Currently Amended)** A method to monitor aircraft flight performance data, comprising:

sensing flight performance data with a sensor;

transmitting, by a wireless transmitter having memory, sensed flight performance data to a transceiver having a transceiver identity associated with pilot identification information;

entering the pilot identification information on the transceiver;

associating, by the transceiver, sensed flight performance data received from the wireless transmitter with the pilot identification information associated with the transceiver identity; [[and]]

transmitting, by the transceiver, the received sensed flight performance data with the associated pilot identification information to a database; and

allowing access to the received sensed flight only with the associated pilot identification information.

18. **(Previously Presented)** The method of claim 17, wherein the transmitting by the transceiver of the associated sensed flight performance data and pilot identification information includes wirelessly transmitting the associated sensed flight performance data and pilot identification information to the database.

19. **(Cancelled)**

20. **(Previously Presented)** The method of claim 18, further comprising:

removably attaching the wireless transmitter to the transceiver.

REMARKS:

Claims 1-4, 6-14, 17, 18, and 20 remain pending in the present Application.

Claim 1 stands rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels (US 2012/0053777) in view of Shavit (US 2011/0241902) and further in view of U.S. Patent No. 6,148,179 (Wright). Claims 2, 3, 4, 17, and 19 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Shavit, Wright, and further in view of Torres (US 2013/0141572). Claims 6 and 7 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Shavit, Wright, Torres and further in view of Hedrick (US 2012/0265372). Claims 8 and 9 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Shavit, Wright, Torres and further in view of Starkey (US 2012/0265372). Claims 10 and 18 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Shavit, Wright, and Wright '239 (US 6167239). Claim 1 stands rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels (US 2012/0053777) in view of Shavit (US 2011/0241902), Durand (US 2010/0105329) and further in view of U.S. Patent No. 6,148,179 (Wright). Claims 12 and 13 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Shavit, Wright, Durand (US 2010/0105329), and further in view of Starkey (US 2012/0265372). Claims 14 and 16 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Shavit, Durand and further in view of Torres (US 2013/0141572). Claim 20 stands rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Shavit, Torres, and Starkey. The Applicants respectfully traverse these rejections for at least the following reasons.

By this Amendment, each of the independent claims has been amended to include precluding access to the sensed flight performance without the pilot's ID. Support for this amendment can be found at least from paragraph 30 of the published application.

Applicants respectfully submit that none of the cited references include a teaching of a transmitter having memory, of a transceiver that has a transceiver ID that

is associated with a pilot ID and entered into the transceiver, and none of the cited references include a teaching of a transceiver that associates such an ID with received flight performance data and then relays such associated information to a database that only allows access to the information based upon providing the corresponding pilot's ID.

For example, the Office action primarily relies on Shavit for an alleged prior teaching of the transceiver as previously claimed in the subject Application. However, Shavit only discussed the relay of data and between an airborne logger and a ground-based server via wired or wireless means using an aircraft number as an identifier. However, Shavit does not teach having a transceiver that has an ID that is associated with a pilot ID entered on the transceiver, and further fails to teach associating such pilot ID with received performance data and then transmitting the thus associated ID and performance data to a database. The claimed system allows pilots data to remain private by tying the data with a unique identifier on the transceiver. Using aircraft number prevents confidentiality. Shavit discloses names and tail number see paragraph 58 which are widely known and do not provide the claimed privacy. Applicant respectfully submits that the remaining cited references fail to cure this deficiency of Shavit. As such, none of the cited references, whether considered separately or in the proposed combinations, discloses or suggest all of the limitations of the pending claims as amended herein.

In view of the foregoing amendments and remarks, the Applicants request that the rejections of claims 1-4, 6-14, 17, 18, and 20 under §103(a) be reconsidered and withdrawn, and that the pending claims be placed in condition for allowance.

Distinctions, Other Than Those Discussed, May Exist:

It should be noted that the Applicant has merely discussed example distinctions from the references cited by the Examiner. Other distinctions may exist and Applicant reserves the right to discuss these additional distinctions in a future Response or on Appeal.

CONCLUSION:

The Applicant submits that the subject application is now considered to be in condition for allowance, and an early reconsideration and issuance of a Notice of Allowance are earnestly solicited. The Examiner is invited to contact the undersigned at (817) 447-9955 with any questions, comments, or suggestions relating to the referenced patent application.

This Amendment is being filed via the U.S. Patent and Trademark Office's EFS-Web electronic filing system. No fees are deemed to be necessary; however, the Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayments, to **Deposit Account No. 502806**.

Respectfully submitted,

5/8/17
Date

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CUSTOMER NO. 38441

ATTORNEY FOR APPLICANT

Electronic Acknowledgement Receipt

EFS ID:	29149227
Application Number:	13951900
International Application Number:	
Confirmation Number:	5290
Title of Invention:	AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA
First Named Inventor/Applicant Name:	William D. Girard
Customer Number:	38441
Filer:	James Edward Walton
Filer Authorized By:	
Attorney Docket Number:	0837RF-12-139
Receipt Date:	08-MAY-2017
Filing Date:	26-JUL-2013
Time Stamp:	18:49:47
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		Amendment20170508.pdf	1095347 f98584bc614a36f6f75805c565b7769bd601f1e2	yes	10

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Miscellaneous Incoming Letter	1	2
	Amendment/Req. Reconsideration-After Non-Final Reject	3	10
Warnings:			
Information:			
	Total Files Size (in bytes):	1095347	

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

Attorney Docket No. **0837RF-12-139**

In Re Application of:	§	Examiner: **MAWARI, REDHAWN K.**
WILLIAM D. GIRARD	§	
Serial No: **13/951,900**	§	Art Unit: **3665**
Filed: **26 JULY 2013**	§	
For: **AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA**	§	Confirmation No. **5290**

TRANSMITTAL

Filed via EFS-Web
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

Please file the following enclosed documents in the subject application:

1. This Transmittal with Certificate of Transmission; and
2. Amendment.

CERTIFICATE OF TRANSMISSION UNDER 37 C.F.R. § 1.8(a)(1)(i)(C)

Date of Transmission: 5/8/17

I hereby certify that this correspondence is being transmitted to the U.S. Patent and Trademark Office (USPTO) via the USPTO electronic filing system (EFS-Web) on the date shown above.

By: James E. Walton
James E. Walton

The above-listed documents are being filed via the U.S. Patent and Trademark Office's EFS-Web electronic filing system. No fees are deemed to be necessary; however, the undersigned hereby authorizes the Commissioner to charge any fees that may be required, or credit any overpayments, to **Deposit Account No. 502806**.

Respectfully submitted,

5/8/17
Date

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ATTORNEY FOR APPLICANTS

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

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 13/951,900	Filing Date 07/26/2013	☐ 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 **05/08/2017**

	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
Total (37 CFR 1.16(i))	* 16	Minus	** 20	= 0	X $80 =	0
Independent (37 CFR 1.16(h))	* 3	Minus	***3	= 0	X $420 =	0
☐ Application Size Fee (37 CFR 1.16(s))						
☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
					TOTAL ADD'L FEE	0

AMENDMENT

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

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

LIE
LAWANDA MILTON

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.
13/951,900	07/26/2013	William D. Girard	0837RF-12-139	5290

38441 7590 07/31/2017

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EXAMINER
MAWARI, REDHWAN K

ART UNIT	PAPER NUMBER
3665	

NOTIFICATION DATE	DELIVERY MODE
07/31/2017	ELECTRONIC

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

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

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

JIM@WALTONPLLC.COM

Office Action Summary	Application No. 13/951,900	Applicant(s) GIRARD ET AL.	
	Examiner REDHWAN k. MAWARI	Art Unit 3665	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 *05/08/2017*.

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

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

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

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

Disposition of Claims*

5)☒ Claim(s) *1-4,6-14 and 16-20* is/are pending in the application.

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

6)☐ Claim(s) _____ is/are allowed.

7)☒ Claim(s) *1-4,6-14,16-20* is/are rejected.

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

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

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

Application Papers

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

11)☐ The drawing(s) filed on _____ 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: _____.

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

Response to Amendment

1. This Office Action is responsive to Applicant's amendment and request for reconsideration of application 13/951,900 filed on May 08, 2017.

Claim Rejections - 35 USC § 103

1. 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.

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

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

a. Claim 1 is rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view of Shavit (2011/0241902), Wright (6,148,179) and further in view of Cur (2007/0236366).

Regarding claim 1, Meisels discloses an aircraft, comprising:

a sensor configured to sense flight performance of the aircraft during flight;(see at least paragraph [, 0005, 0020]);

an avionics system associated with the sensor (see at least paragraph [0018, 0020, 0021]);

a database in data communication with the sensor and the avionics system, the database being configured to store information relating to a the flight performance of the aircraft during flight (see at least FIG. 1, paragraph [0018-0021, 0031]); and

a wireless transmitter in data communication with the avionics system (see at least paragraph [0020] and FIG. 1);

wherein the avionics system is configured to monitor aircraft flight performance data from the sensor (see at least paragraph [0020]); and wherein the wireless transmitter is configured to wirelessly transmit aircraft flight performance data to the wireless database (see at least paragraph [0020, 0021] and FIG. 1).

Meisels does not explicitly disclose pilot flying the aircraft during flight; and wherein the wireless transmitter is configured to wirelessly transmit aircraft flight performance data and the pilot information to an external wireless database for monitoring; a transceiver in data communication with the database and configured to receive pilot

information prior to flight and associate the aircraft flight performance with the pilot information.

Shavit teaches pilot flying the aircraft during flight; and wherein the wireless transmitter is configured to wirelessly transmit aircraft flight performance data and the pilot information to an external wireless database for monitoring ; a transceiver in data communication with the database and configured to receive pilot information prior to flight and associate the aircraft flight performance with the pilot information (see at least abstract, paragraph [0048]).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Shavit into the invention of Meisels for the purpose of improving the strategy of evaluating the pilots.

Wright teaches receiving information when the aircraft is on the ground i.e. prior to takeoff (see at least claim 18).

Meisel in view of Shavit and further in view of Wright does not explicitly wherein the stored sensed flight performance is only accessible with the associated pilot identification information.

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the

invention of Wright into the invention of Meisels in view of Shavit for the purpose of improving the maintenance scheduling of the aircraft.

Shavit further teaches a wireless transmitter having a memory, a transceiver comprising input device, transceiver identity associated with pilot identification information; wherein the pilot identification information is entered into the input device (see at least paragraph [0007], data logger comprising a memory unit, transmitting and receiving unit, [0045], bi-directional data-link wireless data communication, wherein the data is encrypted, [0108], data logger connects to additional inputs and types or select his name, the name of the co-pilot, and aircraft serial number before starting any communication, FIG. 2).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Shavit into the invention of Meisels for the purpose of increasing the pace of the pilots, self-improvement and increasing the flight safety (seat paragraph [0005]).

Cur teaches wherein the stored sensed flight performance is only accessible with the associated pilot identification information (see at least paragraph [0392], the instructor's station used to monitor the flight ... to assess the student pilot's performance and manage the student's records. Since the instructor is able to monitor a specific student's performance, the data monitored is associated with a specific student. Furthermore,

paragraph [0161] teaches monitoring pilots... Further, during the flight the instructor is able to compare, in real time, the actual course taken by the pilot with the preflight profile, providing the instructor with the capability of instructing the pilot regarding any deviation between the desired and actual flight path. Paragraph [0377] teaches using a camera to recognize the pilot's face for security purposes).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Cur into the invention of Meisels in view of Shavit and Wrigtht for the purpose of providing a direct and real time to the pilot's data during operation in order to monitor the pilot's performance and provide guidance as needed.

b. Claims 2, 3, 4, 17, 19 are rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view of Shavit (2011/0241902), Wright Cur (2007/0236366), and further in view of Torres (2013/0141572).

Regarding claim 2, Meisels in view of Shavit does not explicitly disclose a wireless transceiver in data communication with the wireless transmitter; wherein the wireless transceiver is configured to receive and transmit aircraft flight performance data to the wireless database.

Torres teaches a wireless transceiver in data communication with the wireless transmitter; wherein the wireless transceiver is configured to receive and transmit aircraft flight performance data to the wireless database (see at least FIG. 2, FIG. 3).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Torres into the invention of Meisels in view of Shavit for the purpose of increasing the safety of the aircraft.

Regarding claim 3, Torres teaches wherein the wireless transceiver is portable (see at least paragraph [0033], FIG. 1).

Regarding claims 4, Torres teaches wherein the wireless transceiver is a smartphone (see at least paragraph [0033], FIG. 1).

Regarding claim 17, Meisels discloses a method to monitor aircraft flight performance data, comprising:

sensing flight performance data with a sensor;

transmitting sensed flight performance data to a wireless transmitter;

wirelessly transmitting the sensed flight performance data to a wireless database (see at least FIG. 1 and paragraph [0020]);

Meiseles does not explicitly disclose monitoring flight performance data with a display operably associated with the wireless database and

Torres teaches monitoring flight performance data with a display operably associated with the wireless database (see at least FIG. 10A, paragraph [0116]).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Torres into the invention of Meisels in view of Shavit for the purpose of increasing the safety of the aircraft.

Shavit further teaches a wireless transmitter having a memory, a transceiver comprising input device, transceiver identity associated with pilot identification information; wherein the pilot identification information is entered into the input device (see at least paragraph [0007], data logger comprising a memory unit, transmitting and receiving unit, [0045], bi-directional data-link wireless data communication, wherein the data is encrypted, [0108], data logger connects to additional inputs and types or select his name, the name of the co-pilot, and aircraft serial number before starting any communication, FIG. 2).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Shavit into the invention of Meisels for the purpose of increasing the pace of the pilots, self-improvement and increasing the flight safety (seat paragraph [0005]).

Cur teaches wherein the stored sensed flight performance is only accessible with the associated pilot identification information (see at least paragraph [0392], the instructor's station used to monitor the flight ... to assess the student pilot's performance and manage the student's records. Since the instructor is able to monitor a specific student's performance, the data monitored is associated with a specific student. Furthermore, paragraph [0161] teaches monitoring pilots... Further, during the flight the instructor is able to compare, in real time, the actual course taken by the pilot with the preflight profile, providing the instructor with the capability of instructing the pilot regarding any deviation between the desired and actual flight path. Paragraph [0377] teaches using a camera to recognize the pilot's face for security purposes).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Cur into the invention of Meisels in view of Shavit and Wrigtht for the purpose of providing a direct and real time to the pilot's data during operation in order to monitor the pilot's performance and provide guidance as needed.

Regarding claim 19, Shavit teaches wirelessly transmitting pilot information to the database via the wireless transceiver (see at least claim 1).

c. Claims 6 and 7 are rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view of Shavit, Wright, Cur (2007/0236366), Torres (2013/0141572) and further in view of Hedrick (2012/0265372).

Regarding claim 6, Meisels in view of Torres does not explicitly disclose wherein the wireless transceiver is configured to upload data to the avionics system via the wireless transmitter.

Hedrick teaches wherein the wireless transceiver is configured to upload data to the avionics system via the wireless transmitter (see at least abstract, FIG. 1, paragraph [0009]).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Hedric into the invention of Meisels in view of Torres for the purpose of accurately and promptly read and enter data.

Regarding claim 7, Hedrick teaches wherein the uploaded data is a flight planning data (see at least abstract, paragraph [0009]).

d. Claims 8 and 9 are rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view of Shavit (2011/0241902), Wright, Cur (2007/0236366), Torres (2013/0141572) and further in view of Starkey (2012/0265372).

Regarding claim 8, Meisels in view of Shavit, and Torres does teach wherein the wireless transmitter removably attaches to the wireless transceiver.

Starkey teaches wherein the wireless transmitter removably attaches to the wireless transceiver (see at least paragraph [0011]).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Starkey into the invention of Meisels in view of Shavit, and Torres for the purpose of being able to switch or upgrades without making major changes to the system.

Regarding claim 9, Starkey teaches wherein the wireless transmitter removably attaches to the avionics system (see at least paragraph [0011]).

e. Claims 10 and 18 are rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view of Shavit (2011/0241902), Wright (6,148,179) Wright (6,167,239), and Cur (2007/0236366).

Regarding claim 10, Meisels in view of Shavit not explicitly disclose wherein the wireless transceiver is configured to receive and store aircraft flight performance data.

Wright teaches wherein the wireless transceiver is configured to receive and store aircraft flight performance data (see at least abstract).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Wright into the invention of Meisels in view of Shavit for the purpose of being able to accurately detect any malfunction an early stage.

Regarding claim 18, Wright teaches wirelessly transmitting the sensed data to a wireless transceiver operably associated with the database (see at least abstract).

f. Claim 11 is rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view Shavit, in view of Durand (2010/0105329) and further in view of Wright (6,148,179) and Cur (2007/0236366).

Regarding claim 11, Meisels discloses an aircraft flight performance monitoring system (see at least paragraph [0020]); transmitting data to a wireless database (see at least FIG. 1).

Meisels does not explicitly disclose a wireless transmitter in data communication with an avionics system of the aircraft;
a portable wireless transceiver associated with the wireless transmitter; and a wireless database associated with the wireless transmitter; wherein the wireless transmitter is configured to receive and transmit flight performance data from the avionics system to the portable wireless transceiver.

Durand teaches a wireless transmitter in data communication with an avionics system of the aircraft;
a portable wireless transceiver associated with the wireless transmitter; and a wireless database associated with the wireless transmitter; wherein the wireless transmitter is configured to receive and transmit flight performance data from the avionics system to the portable wireless transceiver (see at least abstract).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Durand into the invention of Meisels for the purpose of being able to have access to the performance data during critical phases of flight.

Meisels does not explicitly disclose pilot flying the aircraft during flight (see at least abstract); and wherein the wireless transmitter is

configured to wirelessly transmit aircraft flight performance data and the pilot information to an external wireless database for monitoring.

Shavit teaches pilot flying the aircraft during flight (see at least abstract); and wherein the wireless transmitter is configured to wirelessly transmit aircraft flight performance data and the pilot information to an external wireless database for monitoring (see at least abstract).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Shavit into the invention of Meisels for the purpose of improving the strategy of evaluating the pilots.

Wright teaches receiving information when the aircraft is on the ground i.e. prior to takeoff (see at least claim 18).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Wright into the invention of Meisels in view of Shavit for the purpose of improving the maintenance scheduling of the aircraft.

Shavit further teaches a wireless transmitter having a memory, a transceiver comprising input device, transceiver identity associated with pilot identification information; wherein the pilot identification information is entered into the input device (see at least paragraph [0007], data logger comprising a memory unit, transmitting and receiving unit, [0045], bi-directional data-link wireless data communication, wherein the data is

encrypted, [0108], data logger connects to additional inputs and types or select his name, the name of the co-pilot, and aircraft serial number before starting any communication, FIG. 2).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Shavit into the invention of Meisels for the purpose of increasing the pace of the pilots, self-improvement and increasing the flight safety (seat paragraph [0005]).

Cur teaches wherein the stored sensed flight performance is only accessible with the associated pilot identification information (see at least paragraph [0392], the instructor's station used to monitor the flight ... to assess the student pilot's performance and manage the student's records. Since the instructor is able to monitor a specific student's performance, the data monitored is associated with a specific student. Furthermore, paragraph [0161] teaches monitoring pilots... Further, during the flight the instructor is able to compare, in real time, the actual course taken by the pilot with the preflight profile, providing the instructor with the capability of instructing the pilot regarding any deviation between the desired and actual flight path. Paragraph [0377] teaches using a camera to recognize the pilot's face for security purposes).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the

invention of Cur into the invention of Meisels in view of Shavit and Wrigtht for the purpose of providing a direct and real time to the pilot's data during operation in order to monitor the pilot's performance and provide guidance as needed.

g. Claims 12 and 13 are rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view Shavit, Wright (6,148,179), Cur (2007/0236366), Durand (2010/0105329) and further in view of Starkey (2012/0265372).

Regarding claim 12, Starkey teaches wherein the wireless transmitter removable attaches to the avionics system (see at least paragraph [0011]).

Regarding claim 13, Starkey teaches wherein the wireless transceiver is configured to receive the wireless transmitter (see at least paragraph [0011]).

h. Claims 14 and 16 are rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view Shavit, Wright (6,148,179), Cur (2007/0236366), Durand (2010/0105329) and further in view Torres (2013/0141572).

Regarding claims 14, Torres teaches wherein the wireless transceiver is a smartphone (see at least paragraph [0033], FIG. 1).

Regarding claim 16, Torres teaches a monitor conductively coupled to the wireless database; wherein the monitor provides viewing access of flight performance data (see at least FIG. 10A, paragraph [0116]).

i. Claim 20 is rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view Shavit, Wright (6,148,179), Torres (2013/0141572) and further in view of Starkey (2012/0265372).

Regarding claim 20, Starkey teaches removably attaching the wireless transmitter to the wireless transceiver (see at least paragraph [0011]).

Response to Arguments

5. Applicant's arguments have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

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

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

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Redhwan Mawari whose telephone number is 571 270 1535. The examiner can normally be reached on 7:30 AM - 5PM Mon-Fri Eastern Alt Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Berona Kimberly can be reaches at 571-272 6909. 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.

/REDHWAN k MAWARI/

Primary Examiner, Art Unit 3665

Notice of References Cited	Application/Control No. 13/951,900	Applicant(s)/Patent Under Reexamination GIRARD ET AL.	
	Examiner REDHWAN k. MAWARI	Art Unit 3665	Page 1 of 2

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*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-6,148,179 A	11-2000	Wright; Thomas H.	G08G5/0013	340/531
*	B	US-6,408,259 B1	06-2002	Goebel; Kai Frank	B64D43/00	701/100
*	C	US-2002/0131730 A1	09-2002	Keeble, Daniel John	G02B6/4201	385/92
*	D	US-2002/0140574 A1	10-2002	Starkey, Gene Raymond	B60C23/0413	340/870.16
*	E	US-2004/0148088 A1	07-2004	Davis, Brian J.	G07C5/008	701/123
*	F	US-2005/0026609 A1	02-2005	Brinkley, Roger R.	G06F8/61	455/431
*	G	US-2007/0236366 A1	10-2007	Gur; Joshua	G06K9/00	340/945
*	H	US-2007/0264953 A1	11-2007	Srinivasan; Thiru	H04L67/06	455/186.1
*	I	US-2008/0228330 A1	09-2008	Srinivasan; Thiru	G01C23/00	701/3
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*	L	US-7,755,890 B2	07-2010	Rui; Fernandes	B64D43/00	348/837
*	M	US-7,769,501 B2	08-2010	Lusardi; Robert Allen	G01C23/00	340/945

FOREIGN PATENT DOCUMENTS

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

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

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

Notice of References Cited	Application/Control No. 13/951,900	Applicant(s)/Patent Under Reexamination GIRARD ET AL.	
	Examiner REDHWAN k. MAWARI	Art Unit 3665	Page 2 of 2

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*	A	US-2011/0241902 A1	10-2011	Shavit; Tsachi C.	G08G5/0026	340/978
*	B	US-2011/0313645 A1	12-2011	Shukla; Vijay	G08G5/065	701/120
*	C	US-2012/0053777 A1	03-2012	Meisels; David Benjamin	G07C5/006	701/29.1
*	D	US-8,280,741 B2	10-2012	Colin; Michel	G08G5/0013	704/231
*	E	US-2012/0265372 A1	10-2012	Hedrick; Geoffrey S.M.	H04L67/36	701/3
*	F	US-2013/0141572 A1	06-2013	Torres; Alex Laton	H04N7/185	348/143
*	G	US-2015/0032296 A1	01-2015	Girard; William D.	G07C5/008	701/3
	H	US-				
	I	US-				
	J	US-				
	K	US-				
	L	US-				
	M	US-				

FOREIGN PATENT DOCUMENTS

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	T					

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

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	13951900	GIRARD ET AL.
	Examiner	Art Unit
	REDHWAN k MAWARI	3665

CPC- SEARCHED		
Symbol	Date	Examiner
H04L67/12 OR H04L67/06 OR H04L29/08558 OR H04L67/14 OR H04L67/18 OR H04L67/325	6/1/2015	R.M

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
701	3,14,120,10,100,123,2,29.1	6/1/2015	R.M

* 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
see east search	6/1/2015	R.M

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

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	1	"13951900"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/07/25 05:57
L4	0	instructor$4 with access with pilot with performance and pilot near2 identity	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/07/25 06:02
L5	1	access with pilot with performance and pilot near2 identity	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/07/25 06:02
L6	0	trainer with access with pilot with performance and pilot near2 identity	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/07/25 06:04
L7	0	trainers same access with pilot with performance and pilot near2 identity	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/07/25 06:04
L8	0	trainers same access same pilot with performance and pilot near2 identity	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/07/25 06:04
L9	0	trainers same access same student with performance and pilot near2 identity	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/07/25 06:04
L10	0	trainers same access same student same	US-PGPUB;	OR	ON	2017/07/25

		performance and pilot near2 identity	USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			06:04
L11	0	access same student same performance and pilot near2 identity	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/07/25 06:05
L12	17	access same performance and pilot near2 identity	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/07/25 06:05
L13	12	pilot near3 performance and pilot near2 identity	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/07/25 06:09
L14	1	pilot near3 performance same pilot near2 identity	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/07/25 06:09
L15	5	"6053737".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/07/25 06:11
L16	2	("20120196261").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/07/25 06:13
L17	0	(("("20120196261" | "20150010892").PN.").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/07/25 06:14
L18	5	("20120196261" | "20150010892").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	2017/07/25 06:14

			IBM_TDB			
L19	202	monitor$4 with pilot near4 performance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/07/25 06:15
L20	69	monitor$4 with pilot near4 performance and train$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/07/25 06:16
S1	1	"13951900"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 07:31
S2	2	"7755890".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 07:39
S3	3	"7769501".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 07:39
S4	3	"8364328".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 07:39
S5	2	("20070264953").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 07:40
S6	2	("20080228330").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 07:40
S7	3	("20100105329").PN.	US-PGPUB; USPAT; USOCR; FPRS;	OR	OFF	2015/05/27 07:40

			EPO; JPO; DERWENT; IBM_TDB			
S8	2	("20110313645").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 07:44
S9	22	avionic and sensor and wireless and transmitter and receiver and flight and transmit$3 and database	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 08:47
S10	8	(US-20150032296-$ or US-20100105329-$ or US-20080228330-$ or US-20070264953-$ or US-20110313645-$).did. or (US-8364328-$ or US-7769501-$ or US-7755890-$).did.	US-PGPUB; USPAT	OR	OFF	2015/05/27 08:50
S11	0	S9 and S10	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 08:50
S12	1	"7456756".pn.	US-PGPUB; USPAT	OR	OFF	2015/05/27 08:54
S13	0	("200500026609").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 08:56
S14	3	("20050026609").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 08:56
S15	4	("2010/0105329").URPN.	USPAT	OR	OFF	2015/05/27 09:04
S16	4	("2010/0105329").URPN.	USPAT	OR	OFF	2015/05/27 09:04
S17	37	avionic and sensor and transmitter and receiver and flight and transmit$3 and database	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 09:22
S20	20	monitor$3 with performance with sensor and transmit$4 with database and aircraft and (mobile or PDA or portable)	US-PGPUB; USPAT; USOCR; FPRS;	OR	OFF	2015/05/27 09:39

			EPO; JPO; DERWENT; IBM_TDB			
S21	2	"12872283"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 14:09
S22	2413	air$craft and (smart$4 near2 phone)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/28 06:44
S23	4	air$craft and ((smart$4 near2 phone) same transmit$4 with performance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/28 06:44
S24	0	("20120265372").PN.	USPAT; USOCR	OR	OFF	2015/05/28 07:21
S25	2	("20120265372").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/28 07:21
S26	0	(12/717859).APP.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/28 12:22
S27	32	monitor$3 with performance with sensor and transmit$4 with database and aircraft	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/28 13:59
S28	1	"13984410"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/28 21:51
S29	146	monitor$3 with performance with sensor and transmit$4 with database	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/29 05:32

S30	146	monitor$3 with performance with sensor and transmit$4 with database	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/29 07:52
S31	146	monitor$3 with performance with sensor and transmit$4 with database	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/29 09:57
S32	0	transmitter with removably with attached with trasceiver	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/31 13:39
S33	6	transmitter with removably with attached with transceiver	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/31 13:39
S34	28	transmitter with removably with transceiver	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/31 13:41
S35	0	transmitter with removabl$3 with attached with avionics	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/31 13:50
S36	0	transmitter with removabl$3 with attached with avionics	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/31 13:51
S37	2	transmitter with removabl$3 with avionics	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/31 13:51
S38	122	transceiver with stor$4 with performance near3 (data or information)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	OFF	2015/05/31 13:56

			DERWENT; IBM_TDB			
S39	3	transmit$4 with pilot near5 identification with database	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/31 14:02
S40	18	(US-20150032296-$ or US-20100105329-$ or US-20080228330-$ or US-20070264953-$ or US-20110313645-$ or US-20050026609-$ or US-20120053777-$ or US-20130141572-$ or US-20120265372-$ or US-20020140574-$ or US-20020131730-$ or US-20040148088-$).did. or (US-8364328-$ or US-7769501-$ or US-7755890-$ or US-6408259-$ or US-8280741-$).did. or (US-6167239-$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2015/06/01 06:34
S41	35	(US-20150032296-$ or US-20100105329-$ or US-20080228330-$ or US-20070264953-$ or US-20110313645-$ or US-20050026609-$ or US-20120053777-$ or US-20130141572-$ or US-20120265372-$ or US-20020140574-$ or US-20020131730-$ or US-20040148088-$).did. or (US-8364328-$ or US-7769501-$ or US-7755890-$ or US-6408259-$ or US-8280741-$).did. or (US-6167239-$).did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/06/01 06:35
S42	278911	((H04L67/12 OR H04L67/06 OR H04L29/08558 OR H04L67/14 OR H04L67/18 OR H04L67/325 OR H04L67/36 OR H04L2012/4028 OR H04L29/08117 OR H04L29/08576 OR H04L29/08657 OR H04L29/08963 OR H04L29/0899 OR H04L67/04 OR H04L67/34 OR H04B7/18506 OR H04B1/3877 OR H04B7/18502 OR G01C23/00 OR G06F1/1632 OR G06F8/61 OR G08G5/065 OR G08G5/0013 OR G08G5/0034 OR G08G5/0043 OR B60C23/0413 OR B60C23/0433 OR B60C23/0452 OR B60C23/0461 OR B60C23/0479 OR B60C23/0493 OR G02B6/3897 OR G02B6/4201 OR G02B6/423 OR G02B6/4246 OR G02B6/4277 OR G02B6/4292 OR G05B23/0232 OR G05B23/0297 OR G07C3/00 OR G07C5/00 OR G07C5/006 OR G07C5/008).CPC. OR (701/3 OR 701/14 OR 701/120 OR 701/10 OR 701/100 OR 701/123 OR 701/2 OR 701/29.1 OR 701/30.8 OR 701/31.4 OR 701/31.5 OR 701/32.1 OR 701/32.4 OR 701/33.2 OR 701/4 OR 455/41.2 OR 455/431 OR 455/186.1 OR 455/66.1 OR 455/419 OR 455/41.1 OR 455/426.2 OR 455/67.11 OR 455/67.13 OR 455/67.16 OR 340/945 OR 340/870.16 OR 340/971 OR 340/973 OR 345/169 OR 345/633 OR 345/204 OR	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/06/01 06:35

		345/205 OR 348/E7.085 OR 348/143 OR 348/837).CCLS.)				
S43	0	data$base same stor$3 with pilot$3 near4 fly$4 same performance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/09/28 08:29
S44	0	data$base same stor$3 with pilot$3 with fly$4 same performance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/09/28 08:30
S45	0	data$base same stor$3 same pilot$3 with fly$4 same performance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/09/28 08:30
S46	5	data$base same stor$3 same pilot$3 same fly$4 same performance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/09/28 08:30
S47	9	data$base same stor$3 same pilot$3 same train$4 same performance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/09/28 08:30
S48	0	data$base same stor$3 same pilot$3 near5 information same train$4 same performance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/09/28 09:14
S49	4	data$base same stor$3 same pilot$3 near5 (performance or flying or data or information) same train$4 same performance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/09/28 09:15
S50	55	data$base same stor$3 same pilot$3 near5 (performance or flying or data or information) same performance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/09/28 09:17
S51	2	("20110241902").PN.	US-PGPUB; USPAT; USOCR;	OR	OFF	2015/09/28 10:00

			FPRS; EPO; JPO; DERWENT; IBM_TDB			
S52	0	transceiver with receiv$4 with flight near3 performance with pilot near3 information same prior near5 flight	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/02/08 11:39
S53	0	receiv$4 with flight near3 performance with pilot near3 information same prior near5 flight	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/02/08 11:39
S54	0	receiv$4 with flight with performance with pilot with information same prior near5 flight	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/02/08 11:39
S55	0	receiv$4 with flight with performance same pilot with information same prior near5 flight	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/02/08 11:40
S56	0	receiv$4 with flight with performance same pilot with information same prior with flight	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/02/08 11:40
S57	27	receiv$4 with flight with performance same pilot with information	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/02/08 11:40
S58	17	receiv$4 with flight with performance same pilot and (mobile or smart$phone)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/02/08 11:43
S59	90123	receiv$4 with flight with performance same (ground or (prior near2 (flight or take$off))) pilot and (mobile or smart$phone)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/02/08 11:45
S60	15	receiv$4 with flight with performance	US-PGPUB;	OR	OFF	2016/02/08

		same (ground or (prior near2 (flight or take$off))) and pilot and (mobile or smart$phone)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			11:45
S61	294	associat$4 with pilot with performance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/02/08 11:59
S62	26	associat$4 with pilot with flight near5 performance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/02/08 11:59
S63	2	("20110241902").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/02/08 13:02
S64	1	"13951900"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/01 08:08
S65	627728	transceiver identity with pilot near3 identity	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/01 08:32
S66	0	transceiver near4 identity with pilot near3 identity	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/01 08:32
S67	0	transceiver near4 identity with pilot near3 identit$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/01 08:32
S68	0	transceiver near4 identit$3 with pilot near3 identit$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	2017/02/01 08:32

			IBM_TDB			
S69	14	transmitter near4 identit$3 with pilot near3 identit$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/01 08:32

EAST Search History (Interference)

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7/25/2017 7:51:57 AM
C:\Users\rmawari\Documents\EAST\Workspaces\13951900.wsp

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	13951900	GIRARD ET AL.
	Examiner	**Art Unit**
	REDHWAN k MAWARI	3665

✓	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	06/01/2015	09/28/2015	08/18/2016						
	1	✓	✓	✓						
	2	✓	✓	✓						
	3	✓	✓	✓						
	4	✓	✓	✓						
	5	✓	-	-						
	6	✓	✓	✓						
	7	✓	✓	✓						
	8	✓	✓	✓						
	9	✓	✓	✓						
	10	✓	✓	✓						
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	14	✓	✓	✓						
	15	✓	-	-						
	16	✓	✓	-						
	17	✓	✓	✓						
	18	✓	✓	✓						
	19	✓	✓	-						
	20	✓	✓	✓						

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No. **0837RF-12-139**

In Re Application of:	§	Examiner: **MAWARI, REDHAWN K.**
WILLIAM D. GIRARD	§	
Serial No: **13/951,900**	§	Art Unit: **3665**
Filed: **26 JULY 2013**	§	
For: **AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA**	§	Confirmation No. **5290**

AMENDMENT

Filed via EFS-Web
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This Amendment is in response to the Office Action dated 7 February 2017, which provides for a three-month response period ending 7 May 2017.

Please enter the following amendments and consider the following remarks.

CERTIFICATE OF TRANSMISSION UNDER 37 C.F.R. § 1.8(a)(1)(i)(C)
Date of Transmission: 10/2/17
I hereby certify that this correspondence is being transmitted to the U.S. Patent and Trademark Office (USPTO) via the USPTO electronic filing system (EFS-Web) on the date shown above.
By: James E. Walton James E. Walton

IN THE CLAIMS:

The following is a complete listing of the claims and replaces all prior versions and listings of claims in the subject application. Please amend the claims as follows:

1. **(Previously Presented)** An aircraft, comprising:

a sensor configured to sense flight performance of the aircraft during flight;

an avionics system associated with the sensor;

a database in data communication with the sensor and the avionics system, the database being configured to store information relating to a pilot flying the aircraft during flight and the flight performance of the aircraft during flight;

a wireless transmitter having memory, the wireless transmitter in data communication with the avionics system and the database; and

a transceiver comprising an input device; the transceiver having a transceiver identity associated with pilot identification information, the transceiver being configured for receiving information relating to sensed flight performance from the wireless transmitter, for associating the thus received information with the pilot identification information associated with the transceiver identity, and for transmitting the received information with the thus associated pilot identification information to the database;

wherein the stored sensed flight performance is only accessible with the associated pilot identification information;

wherein the avionics system is configured to monitor aircraft flight performance data from the sensor; and

wherein the pilot identification information is entered into the input device.

2. **(Previously Presented)** The aircraft of claim 1, wherein the transceiver is a wireless transceiver in data communication with the wireless transmitter;

wherein the wireless transceiver is configured to wirelessly receive and transmit aircraft flight performance data to the database.

3. **(Previously Presented)** The aircraft of claim 2, wherein the transceiver is portable.

4. **(Previously Presented)** The aircraft of claim 3, wherein the transceiver is a smartphone.

5. **(Cancelled)**

6. **(Previously Presented)** The aircraft of claim 2, wherein the transceiver is configured to upload data to the avionics system via the wireless transmitter.

7. **(Original)** The aircraft of claim 6, wherein the uploaded data is a flight planning data.

8. **(Original)** The aircraft of claim 2, wherein the wireless transmitter removably attaches to the wireless transceiver.

9. **(Original)** The aircraft of claim 1, wherein the wireless transmitter removably attaches to the avionics system.

10. **(Previously Presented)** The aircraft of claim 1, wherein the transceiver is configured to receive and store aircraft flight performance data.

11. **(Previously Presented)** An aircraft flight performance monitoring system, comprising:

a wireless transmitter having memory, the wireless transmitter in data communication with an avionics system of an aircraft;

a database in data communication with the avionics system, the database being configured to store information relating to a pilot flying the aircraft during flight and flight performance of the aircraft during flight;

a transceiver comprising an input device; the transceiver having a transceiver identity associated with pilot identification information, the transceiver being configured for receiving information relating to sensed flight performance from the wireless transmitter, for associating the thus received information with the pilot identification information associated with the transceiver identity, and for transmitting the received information with the thus associated pilot identification information to the database;

wherein the stored sensed flight performance is only accessible with the associated pilot identification information;

wherein the wireless transmitter is configured to receive and transmit flight performance data from the avionics system to the transceiver, which in turn is transmitted to the database; and

wherein the pilot identification information is entered into the input device of the transceiver.

12. **(Previously Presented)** The system of claim 11, wherein the wireless transmitter removably attaches to the avionics system.

13. **(Previously Presented)** The system of claim 12, wherein the transceiver is configured to wirelessly receive information from the wireless transmitter.

14. **(Previously Presented)** The system of claim 11, wherein the transceiver is a smartphone.

15. **(Cancelled)**

16. **(Cancelled)**

17. **(Currently Amended)** A method to monitor aircraft flight performance data, comprising:

sensing flight performance data with a sensor;

transmitting, by a wireless transmitter having memory, sensed flight performance data to a transceiver having a transceiver identity associated with pilot identification information;

entering the pilot identification information on the transceiver;

associating, by the transceiver, sensed flight performance data received from the wireless transmitter with the pilot identification information associated with the transceiver identity;

transmitting, by the transceiver, the received sensed flight performance data with the associated pilot identification information to a database; and

allowing access to the received sensed flight performance data only with the associated pilot identification information.

18. **(Previously Presented)** The method of claim 17, wherein the transmitting by the transceiver of the associated sensed flight performance data and pilot identification information includes wirelessly transmitting the associated sensed flight performance data and pilot identification information to the database.

19. **(Cancelled)**

20. **(Previously Presented)** The method of claim 18, further comprising:

removably attaching the wireless transmitter to the transceiver.

REMARKS:

Claims 1-4, 6-14, 17, 18, and 20 remain pending in the present Application.

Claim 1 stands rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels (US 2012/0053777) in view of Shavit (US 2011/0241902) and further in view of U.S. Patent No. 6,148,179 (Wright) and further in view of U.S Patent Publication No. 2007/0236366 (Gur). Claims 2, 3, 4, 17, and 19 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Shavit, Wright, Gur, and further in view of Torres (US 2013/0141572). Claims 6 and 7 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Shavit, Wright, Gur, Torres and further in view of Hedrick (US 2012/0265372). Claims 8 and 9 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Shavit, Wright, Gur, Torres and further in view of Starkey (US 2012/0265372). Claims 10 and 18 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Shavit, Wright, and Wright '239 (US 6167239) and Gur. Claim 11 stands rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels (US 2012/0053777) in view of Shavit (US 2011/0241902), Durand (US 2010/0105329) and further in view of U.S. Patent No. 6,148,179 (Wright) and Gur. Claims 12 and 13 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Shavit, Wright, Gur, Durand (US 2010/0105329), and further in view of Starkey (US 2012/0265372). Claims 14 and 16 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Shavit, Gur, Durand and further in view of Torres (US 2013/0141572). Claim 20 stands rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Shavit, Torres, and Starkey. The Applicants respectfully traverse these rejections for at least the following reasons.

Applicants respectfully submit that none of the cited references include a teaching of a transmitter having memory, of a transceiver that has a transceiver ID that is associated with a pilot ID and entered into the transceiver, and none of the cited references include a teaching of a transceiver that associates such an ID with received

flight performance data and then relays such associated information to a database that only allows access to the information based upon providing the corresponding pilot's ID.

For example, the Office action primarily relies on Gur for an alleged prior teaching of the limited data access as previously claimed in the subject Application. The Examiner states that Meisel in view of Shavit and Wright does not disclose wherein the stored sensed flight performance data is only accessible with the associated pilot identification information. The Examiner suggested that Gur teaches that the stored sensed flight performance is only accessible with the associated pilot identification information. The Examiner references paragraph 392, 161, and 377. The Applicant submits that the Gur fails to disclose the elements suggested by the Examiner for the following reasons; (1) paragraph 394 does not disclose limiting access but merely that the system has a ground segment for the instructor usage during and after the flight; (2) paragraph 161 discloses real time monitoring but doesn't disclose limiting access; and (3) paragraph 377 discloses using a camera to detect whether the aircraft has been taken over and send a signal to the ground but also fails to limit access. Applicant respectfully submits that the remaining cited references fail to cure this deficiency of Gur. As such, none of the cited references, whether considered separately or in the proposed combinations, discloses or suggest all of the limitations of the pending claims as amended herein.

In view of the foregoing amendments and remarks, the Applicants request that the rejections of claims 1-4, 6-14, 17, 18, and 20 under §103(a) be reconsidered and withdrawn, and that the pending claims be placed in condition for allowance.

Distinctions, Other Than Those Discussed, May Exist:

It should be noted that the Applicant has merely discussed example distinctions from the references cited by the Examiner. Other distinctions may exist and Applicant reserves the right to discuss these additional distinctions in a future Response or on Appeal.

CONCLUSION:

The Applicant submits that the subject application is now considered to be in condition for allowance, and an early reconsideration and issuance of a Notice of Allowance are earnestly solicited. The Examiner is invited to contact the undersigned at (817) 447-9955 with any questions, comments, or suggestions relating to the referenced patent application.

This Amendment After Final is being filed via the U.S. Patent and Trademark Office's EFS-Web electronic filing system. No fees are deemed to be necessary; however, the Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayments, to **Deposit Account No. 502806**.

Respectfully submitted,

10/2/17
Date

James E. Walton

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CUSTOMER NO. 38441

ATTORNEY FOR APPLICANT

Doc Code: A.NE.AFCP
Document Description: After Final Consideration Pilot Program Request

PTO/SB/434 (05-13)

CERTIFICATION AND REQUEST FOR CONSIDERATION UNDER THE AFTER FINAL CONSIDERATION PILOT PROGRAM 2.0

Practitioner Docket No.:	Application No.:	Filing Date:
0837RF-12-139	13/951,900	26 JULY 2013
First Named Inventor:	**Title:**	
WILLIAM D. GIRARD	AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA	

APPLICANT HEREBY CERTIFIES THE FOLLOWING AND REQUESTS CONSIDERATION UNDER THE AFTER FINAL CONSIDERATION PILOT PROGRAM 2.0 (AFCP 2.0) OF THE ACCOMPANYING RESPONSE UNDER 37 CFR 1.116.

1. The above-identified application is (i) an original utility, plant, or design nonprovisional application filed under 35 U.S.C. 111(a) [a continuing application (*e.g.*, a continuation or divisional application) is filed under 35 U.S.C. 111(a) and is eligible under (i)], or (ii) an international application that has entered the national stage in compliance with 35 U.S.C. 371(c).
2. The above-identified application contains an outstanding final rejection.
3. Submitted herewith is a response under 37 CFR 1.116 to the outstanding final rejection. The response includes an amendment to at least one independent claim, and the amendment does not broaden the scope of the independent claim in any aspect.
4. This certification and request for consideration under AFCP 2.0 is the only AFCP 2.0 certification and request filed in response to the outstanding final rejection.
5. Applicant is willing and available to participate in any interview requested by the examiner concerning the present response.
6. This certification and request is being filed electronically using the Office's electronic filing system (EFS-Web).
7. Any fees that would be necessary consistent with current practice concerning responses after final rejection under 37 CFR 1.116, *e.g.*, extension of time fees, are being concurrently filed herewith. [There is no additional fee required to request consideration under AFCP 2.0.]
8. By filing this certification and request, applicant acknowledges the following:
   - Reissue applications and reexamination proceedings are not eligible to participate in AFCP 2.0.
   - The examiner will verify that the AFCP 2.0 submission is compliant, *i.e.*, that the requirements of the program have been met (see items 1 to 7 above). For compliant submissions:
     - The examiner will review the response under 37 CFR 1.116 to determine if additional search and/or consideration (i) is necessitated by the amendment and (ii) could be completed within the time allotted under AFCP 2.0. If additional search and/or consideration is required but cannot be completed within the allotted time, the examiner will process the submission consistent with current practice concerning responses after final rejection under 37 CFR 1.116, *e.g.*, by mailing an advisory action.
     - If the examiner determines that the amendment does not necessitate additional search and/or consideration, or if the examiner determines that additional search and/or consideration is required and could be completed within the allotted time, then the examiner will consider whether the amendment places the application in condition for allowance (after completing the additional search and/or consideration, if required). If the examiner determines that the amendment does not place the application in condition for allowance, then the examiner will contact the applicant and request an interview.
       - The interview will be conducted by the examiner, and if the examiner does not have negotiation authority, a primary examiner and/or supervisory patent examiner will also participate.
       - If the applicant declines the interview, or if the interview cannot be scheduled within ten (10) calendar days from the date that the examiner first contacts the applicant, then the examiner will proceed consistent with current practice concerning responses after final rejection under 37 CFR 1.116.

Signature	Date
/jamesewaltonpat/	10/2/17
Name (Print/Typed) James E. Walton	**Practitioner Registration No.** 47,245

Note: *This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications. Submit multiple forms if more than one signature is required, see below*.*

☑ * Total of 1 forms are submitted.

Electronic Acknowledgement Receipt

EFS ID:	30541491
Application Number:	13951900
International Application Number:	
Confirmation Number:	5290
Title of Invention:	AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA
First Named Inventor/Applicant Name:	William D. Girard
Customer Number:	38441
Filer:	James Edward Walton
Filer Authorized By:	
Attorney Docket Number:	0837RF-12-139
Receipt Date:	02-OCT-2017
Filing Date:	26-JUL-2013
Time Stamp:	16:48:41
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		AmendmentAfterFinal20171002.pdf	1344225 68727c7b0ab778f7aee4164277bcd3d177c09ca4	yes	11

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Miscellaneous Incoming Letter	1	2
	Response After Final Action	3	10
	After Final Consideration Program Request	11	11
Warnings:			
Information:			
	Total Files Size (in bytes):	1344225	

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

Attorney Docket No. **0837RF-12-139**

In Re Application of:	§	Examiner: **MAWARI, REDHAWN K.**
WILLIAM D. GIRARD	§	
Serial No: **13/951,900**	§	Art Unit: **3665**
Filed: **26 JULY 2013**	§	
For: **AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA**	§	Confirmation No. **5290**

TRANSMITTAL

Filed via EFS-Web
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

Please file the following enclosed documents in the subject application:

1. This Transmittal with Certificate of Transmission;
2. Amendment After Final; and
3. Certification and Request for Consideration Under the After Final Consideration Pilot Program 2.0.

CERTIFICATE OF TRANSMISSION UNDER 37 C.F.R. § 1.8(a)(1)(i)(C)
Date of Transmission: 10/2/17
I hereby certify that this correspondence is being transmitted to the U.S. Patent and Trademark Office (USPTO) via the USPTO electronic filing system (EFS-Web) on the date shown above.
By: James E. Walton James E. Walton

The above-listed documents are being filed via the U.S. Patent and Trademark Office's EFS-Web electronic filing system. No fees are deemed to be necessary; however, the undersigned hereby authorizes the Commissioner to charge any fees that may be required, or credit any overpayments, to **Deposit Account No. 502806**.

Respectfully submitted,

10/2/17
Date

James E. Walton
Reg. No. 47,245
Law Offices of James E. Walton, P.L.L.C.
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CUSTOMER NO. 38441

ATTORNEY FOR APPLICANTS

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

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 13/951,900	Filing Date 07/26/2013	☐ 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

		(Column 1)		(Column 2)	(Column 3)		
	10/02/2017	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
AMENDMENT	Total (37 CFR 1.16(i))	* 16	Minus	** 20	= 0	X $80 =	0
	Independent (37 CFR 1.16(h))	* 3	Minus	***3	= 0	X $420 =	0
	☐ Application Size Fee (37 CFR 1.16(s))						
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
						TOTAL ADD'L FEE	**0**

		(Column 1)		(Column 2)	(Column 3)		
		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
AMENDMENT	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
JUDY SWAYNE

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

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

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/951,900	07/26/2013	William D. Girard	0837RF-12-139	5290

38441 7590 11/03/2017

LAW OFFICES OF JAMES E. WALTON, PLLC
1169 N. BURLESON BLVD.
SUITE 107-328
BURLESON, TX 76028

EXAMINER	
MAWARI, REDHWAN K	

ART UNIT	PAPER NUMBER
3665	

NOTIFICATION DATE	DELIVERY MODE
11/03/2017	ELECTRONIC

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

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

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

damon@waltonpllc.com
jim@waltonpllc.com

Advisory Action Before the Filing of an Appeal Brief	Application No. 13/951,900	Applicant(s) Girard et al.	
	Examiner REDHWAN K MAWARI	Art Unit 3665	AIA Status Yes

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

THE REPLY FILED 02 October 2017 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.

NO NOTICE OF APPEAL FILED

1. ☐ The reply was filed after a final rejection. No Notice of Appeal has been filed. To avoid abandonment of this application, applicant must timely file one of the following replies: (1) an amendment, affidavit, or other evidence, which places the application in condition for allowance; (2) a Notice of Appeal (with appeal fee) in compliance with 37 CFR 41.31; or (3) a Request for Continued Examination (RCE) in compliance with 37 CFR 1.114 if this is a utility or plant application. Note that RCEs are not permitted in design applications. The reply must be filed within one of the following time periods:
   a) ☑ The period for reply expires 3 months from the mailing date of the final rejection.
   b) ☐ The period for reply expires on: (1) the mailing date of this Advisory Action; or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.
   c) ☐ A prior Advisory Action was mailed more than 3 months after the mailing date of the final rejection in response to a first after-final reply filed within 2 months of the mailing date of the final rejection.The current period for reply expires ____ months from the mailing date of *the prior Advisory Action* or SIX MONTHS from the mailing date of the final rejection, whichever is earlier.

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

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

NOTICE OF APPEAL

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

AMENDMENTS

3. ☐ The proposed amendments filed after a final rejection, but prior to the date of filing a brief, will not be entered because
   a) ☐ They raise new issues that would require further consideration and/or search (see NOTE below);
   b) ☐ They raise the issue of new matter (see NOTE below);
   c) ☐ They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or
   d) ☐ They present additional claims without canceling a corresponding number of finally rejected claims.

   NOTE: _____ (See 37CFR 1.116 and 41.33(a)).
4. ☐ The amendments are not in compliance with 37CFR 1.121. See attached Notice of Non-Compliant Amendment (PTOL-324).
5. ☐ Applicants reply has overcome the following rejection(s): _____
6. ☐ Newly proposed or amended claim(s) _____ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).
7. ☐ For purposes of appeal, the proposed amendment(s):(a)☐will not be entered, or(b)☐will be entered, and an explanation of how the new or amended claims would be rejected is provided below or appended.

AFFIDAVIT OR OTHER EVIDENCE

8. ☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____
9. ☐ The affidavit or other evidence filed after final action, but before or on the date of filing a Notice of Appeal will not be entered because applicant failed to provide a showing of good and sufficient reasons why the affidavit or other evidence is necessary and was not earlier presented. See 37 CFR 1.116(e).
10. ☐ The affidavit or other evidence filed after the date of filing the Notice of Appeal, but prior to the date of filing a brief, will not be entered because the affidavit or other evidence failed to overcome all rejections under appeal and/or appellant fails to provide a showing of good and sufficient reasons why it is necessary and was not earlier presented. See 37 CFR 41.33(d)(1).
11. ☐ The affidavit or other evidence is entered. An explanation of the status of the claims after entry is below or attached.

REQUEST FOR RECONSIDERATION/OTHER

12. ☑ The request for reconsideration has been considered but does NOT place the application in condition for allowance because: See Continuation Sheet.
13. ☑ Note the attached Information *Disclosure Statement*(s). (PTO/SB/08) Paper No(s). PTO-2323
14. ☐ Other: _____.

STATUS OF CLAIMS

15. The status of the claim(s) is (or will be) as follows:
    Claim(s) allowed:_____.
    Claim(s) objected to:_____.
    Claim(s) rejected:_____.
    Claim(s) withdrawn from consideration:_____.

/REDHWAN K MAWARI/ Primary Examiner, Art Unit 3665	

Continuation of REQUEST FOR RECONSIDERATION/OTHER 12. The request for reconsideration has been considered but does NOT place the application in condition for allowance because: Applicant argues the cited references does not teaches the the stored flight performance data is only accessible with the associated pilot identification information. Examiner respectively disagrees. At least paragraphs [0392-400] disclose the interaction between the student pilot and the instructor, wherein the instructor is monitoring the performance of the student pilot. When instructor is monitoring the student's performance it implies that the instructor receives that data regarding the performance associated with a particular pilot. Furthermore, in at least paragraph [0400], the student pilot's voice is another way of identifying the voice of the student pilot associated with the performance data. Furthermore, another way to associate the performance data with the pilot information is disclosed in at least paragraph [0377], wherein the student pilot's face is recognized via a camera.

AFCP 2.0 Decision

Application No.	Applicant(s)	
13/951,900	Girard et al.	
Examiner	**Art Unit**	**AIA Status**
REDHWAN K MAWARI	3665	Yes

This is in response to the After Final Consideration Pilot request filed 02 October 2017/REDH.

1. **Improper Request** – The AFCP 2.0 request is improper for the following reason(s) and the after final amendment submitted with the request will be treated under pre-pilot procedure.

   ☐ An AFCP 2.0 request form PTO/SB/434 (or equivalent document) was not submitted.

   ☐ A non-broadening amendment to at least one independent claim was not submitted.

   ☐ A proper AFCP 2.0 request was submitted in response to the most recent final rejection.

   ☐ Other: _____

2. **Proper Request**

   A. After final amendment submitted with the request will not be treated under AFCP 2.0.
   The after final amendment cannot be reviewed and a search conducted within the guidelines of the pilot program.

   ☑ The after final amendment will be treated under pre-pilot procedure.

   B. Updated search and/or completed additional consideration.
   The examiner performed an updated search and/or completed additional consideration of the after final amendment within the time authorized for the pilot program. The result(s) of the updated search and/or completed additional consideration are:

   ☐ 1. All of the rejections in the most recent final Office action are overcome and a Notice of Allowance is issued herewith.

   ☐ 2. The after final amendment would not overcome all of the rejections in the most recent final Office action .
   See attached interview summary for further details.

   ☐ 3. The after final amendment was reviewed, and it raises a new issue(s). See attached interview summary for
   further details.

   ☐ 4. The after final amendment raises new issues, but would overcome all of the rejections in the most recent final Office action. A decision on determining allowability could not be made within the guidelines of the pilot. See attached interview summary for further details, including any newly discovered prior art.

   ☐ 5. Other: _____

   Examiner Note: Please attach an interview summary when necessary as described above.

PTO/SB/30EFS (07-14)
Approved for use through 07/31/2016. 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.

REQUEST FOR CONTINUED EXAMINATION(RCE)TRANSMITTAL
(Submitted Only via EFS-Web)

Application Number	13/951,900	Filing Date	2013-07-26	Docket Number (if applicable)	0837RF-12-139	Art Unit	3665
First Named Inventor	WILLIAM D. GIRARD			Examiner Name	MAWARI, REDHWAN K.		

This is a Request for Continued Examination (RCE) under 37 CFR 1.114 of the above-identified application.
Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8, 1995, to any international application that does not comply with the requirements of 35 U.S.C. 371, or to any design application. The Instruction Sheet for this form is located at WWW.USPTO.GOV.

SUBMISSION REQUIRED UNDER 37 CFR 1.114

Note: If the RCE is proper, any previously filed unentered amendments and amendments enclosed with the RCE will be entered in the order in which they were filed unless applicant instructs otherwise. If applicant does not wish to have any previously filed unentered amendment(s) entered, applicant must request non-entry of such amendment(s).

☒ Previously submitted. If a final Office action is outstanding, any amendments filed after the final Office action may be considered as a submission even if this box is not checked.

☐ Consider the arguments in the Appeal Brief or Reply Brief previously filed on _____

☒ Other Amendment After Final filed 2017-10-02 not entered according to the Advisory Action date 3 November 2017

☐ Enclosed

☐ Amendment/Reply

☐ Information Disclosure Statement (IDS)

☐ Affidavit(s)/ Declaration(s)

☐ Other _____

MISCELLANEOUS

☐ Suspension of action on the above-identified application is requested under 37 CFR 1.103(c) for a period of months _____ (Period of suspension shall not exceed 3 months; Fee under 37 CFR 1.17(i) required)

☐ Other _____

FEES

☒ **The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.**
The Director is hereby authorized to charge any underpayment of fees, or credit any overpayments, to Deposit Account No 502806

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

☒ Patent Practitioner Signature

☐ Applicant Signature

PTO/SB/30EFS (07-14)
Approved for use through 07/31/2016. 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.

Signature of Registered U.S. Patent Practitioner			
Signature	/jamesewaltonpat/	Date (YYYY-MM-DD)	2017-11-03
Name	James E. Walton	Registration Number	47245

This collection of information is required by 37 CFR 1.114. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450.

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

Electronic Patent Application Fee Transmittal

Application Number:	13951900
Filing Date:	26-Jul-2013
Title of Invention:	AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA
First Named Inventor/Applicant Name:	William D. Girard
Filer:	James Edward Walton
Attorney Docket Number:	0837RF-12-139

Filed as Large Entity

Filing Fees for Utility under 35 USC 111(a)

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

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Miscellaneous:				
RCE- 2ND AND SUBSEQUENT REQUEST	1820	1	1700	1700
		Total in USD ($)		**1700**

Electronic Acknowledgement Receipt

EFS ID:	30851379
Application Number:	13951900
International Application Number:	
Confirmation Number:	5290
Title of Invention:	AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA
First Named Inventor/Applicant Name:	William D. Girard
Customer Number:	38441
Filer:	James Edward Walton
Filer Authorized By:	
Attorney Docket Number:	0837RF-12-139
Receipt Date:	03-NOV-2017
Filing Date:	26-JUL-2013
Time Stamp:	15:08:18
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	$1700
RAM confirmation Number	110617INTEFSW15094300
Deposit Account	502806
Authorized User	James Walton

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

37 CFR 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		RCE20171103.pdf	497863 da9730f5fa119aa8463956affac0a2225cf46e82	yes	5

	Multipart Description/PDF files in .zip description		
	Document Description	Start	End
	Miscellaneous Incoming Letter	1	3
	Request for Continued Examination (RCE)	4	5

Warnings:

Information:

2	Fee Worksheet (SB06)	fee-info.pdf	30646 41af994fdd3261781aabecec87da1e404894647e	no	2

Warnings:

Information:

Total Files Size (in bytes):	528509

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

Attorney Docket No. **0837RF-12-139**

In Re Application of:	§	Examiner: **MAWARI, REDHAWN K.**
WILLIAM D. GIRARD	§	
Serial No: **13/951,900**	§	Art Unit: **3665**
Filed: **26 JULY 2013**	§	
For: **AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA**	§	Confirmation No. **5290**

TRANSMITTAL

Filed via EFS-Web
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

Please file the following enclosed documents in the subject application:

1. This Transmittal with Certificate of Transmission; and
2. Request for Continued Examination (RCE) Transmittal, form PTO/SB/30.

CERTIFICATE OF TRANSMISSION UNDER 37 C.F.R. § 1.8(a)(1)(i)(C)

Date of Transmission: 11/3/17

I hereby certify that this correspondence is being transmitted to the U.S. Patent and Trademark Office (USPTO) via the USPTO electronic filing system (EFS-Web) on the date shown above.

By: James E. Walton
James E. Walton

Remarks:

The Applicant submits that the amendments filed 2 October 2017 in the Amendment After Final were not entered by the Examiner. Furthermore, the Applicant submits that the Gur reference does not disclose what is required by the claims and that securing dealing with stored data is different than dealing with live data across a transmission link.

The above-listed documents are being filed via the U.S. Patent and Trademark Office's EFS-Web electronic filing system. The filing fees are being paid via EFS-Web by designated credit card. No additional fees are deemed to be necessary; however, the undersigned hereby authorizes the Commissioner to charge any fees that may be required, or credit any overpayments, to **Deposit Account No. 502806**.

Respectfully submitted,

11/3/17
Date

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CUSTOMER NO. 38441

ATTORNEY FOR APPLICANTS

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

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 13/951,900	Filing Date 07/26/2013	☐ 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	11/03/2017	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 16	Minus	** 20	= 0	X $80 =	0
	Independent (37 CFR 1.16(h))	* 3	Minus	***3	= 0	X $420 =	0
	☐ Application Size Fee (37 CFR 1.16(s))						
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
						TOTAL ADD'L FEE	0

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

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

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

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

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

LIE
TONI HAKIM

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

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

Document code: WFEE

United States Patent and Trademark Office
Sales Receipt for Accounting Date: 11/08/2017

THAKIM SALE #00000003 Mailroom Dt: 11/03/2017 502806 13951900
01 FC : 1251 200.00 DA

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LJOHNSO1 ADJ #00000001 Mailroom Dt: 11/03/2017
Seq No: 3 Sales Acctg Dt: 11/08/2017 502806 13951900
01 FC : 1251 200.00 CR

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	13/951,900	Girard et al.
	Examiner	Art Unit
	REDHWAN K MAWARI	3665

CPC - Searched*		
Symbol	Date	Examiner
H04L67/12 OR H04L67/06 OR H04L29/08558 OR H04L67/14 OR H04L67/18 OR H04L67/325	6/1/2015	R.M

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner
701	3,14,120,10,100,123,2,29.1	6/1/2015	R.M

* 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
see east search	6/1/2015	R.M

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

Notice of References Cited	Application/Control No. 13/951,900	Applicant(s)/Patent Under Reexamination Girard et al.	
	Examiner REDHWAN K MAWARI	Art Unit 3665	Page 1 of 2

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	6,148,179 A	11-2000	Wright; Thomas H.	G08G5/0013	340/531
*	B	6,408,259 B1	06-2002	Goebel; Kai Frank	B64D43/00	701/100
*	C	2002/0131730 A1	09-2002	Keeble, Daniel John	G02B6/4201	385/92
*	D	2002/0140574 A1	10-2002	Starkey, Gene Raymond	B60C23/0413	340/870.16
*	E	2004/0148088 A1	07-2004	Davis, Brian J.	G07C5/008	701/123
*	F	2005/0026609 A1	02-2005	Brinkley, Roger R.	G06F8/61	455/431
*	G	2007/0236366 A1	10-2007	Gur; Joshua	G06K9/00	340/945
*	H	2007/0264953 A1	11-2007	Srinivasan; Thiru	H04L67/06	455/186.1
*	I	2008/0228330 A1	09-2008	Srinivasan; Thiru	G01C23/00	701/3
*	J	2009/0220929 A1	09-2009	Daniel; Warren C.	G09B19/16	434/362
*	K	2010/0105329 A1	04-2010	DURAND; Frederic	H04B1/3877	455/41.2
*	L	7,755,890 B2	07-2010	Rui; Fernandes	B64D43/00	348/837
*	M	7,769,501 B2	08-2010	Lusardi; Robert Allen	G01C23/00	340/945

FOREIGN PATENT DOCUMENTS

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

NON-PATENT DOCUMENTS

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

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

Notice of References Cited	Application/Control No. 13/951,900	Applicant(s)/Patent Under Reexamination Girard et al.	
	Examiner REDHWAN K MAWARI	Art Unit 3665	Page 2 of 2

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	2011/0241902 A1	10-2011	Shavit; Tsachi C.	G08G5/0026	340/978
*	B	2011/0313645 A1	12-2011	Shukla; Vijay	G08G5/065	701/120
*	C	2012/0053777 A1	03-2012	Meisels; David Benjamin	G07C5/006	701/29.1
*	D	8,280,741 B2	10-2012	Colin; Michel	G08G5/0013	704/231
*	E	2012/0265372 A1	10-2012	Hedrick; Geoffrey S.M.	H04L67/36	701/3
*	F	2013/0141572 A1	06-2013	Torres; Alex Laton	H04N7/185	348/143
*	G	2015/0032296 A1	01-2015	Girard; William D.	G07C5/008	701/3
	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	
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	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.

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/951,900	07/26/2013	William D. Girard	0837RF-12-139	5290

38441 7590 12/14/2017

LAW OFFICES OF JAMES E. WALTON, PLLC
1169 N. BURLESON BLVD.
SUITE 107-328
BURLESON, TX 76028

EXAMINER	
MAWARI, REDHWAN K	

ART UNIT	PAPER NUMBER
3665	

NOTIFICATION DATE	DELIVERY MODE
12/14/2017	ELECTRONIC

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

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

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

damon@waltonpllc.com
jim@waltonpllc.com

Office Action Summary	Application No. 13/951,900	Applicant(s) Girard et al.	
	Examiner REDHWAN K MAWARI	Art Unit 3665	AIA 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 11/03/2017 .

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

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

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

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

Disposition of Claims*

5) ☑ Claim(s) 1-4,6-14,17-18 and 20 is/are pending in the application.

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

6) ☐ Claim(s) _____ is/are allowed.

7) ☑ Claim(s) 1-4,6-14,17-18 and 20 is/are rejected.

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

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

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

Application Papers

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

11)☐ The drawing(s) filed on _____ 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: _____.

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

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114.

Claim Rejections - 35 USC § 103

1. 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.

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

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

a. Claim 1 is rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view of Shavit (2011/0241902), Wright (6,148,179) and further in view of Cur (2007/0236366).

Regarding claim 1, Meisels discloses an aircraft, comprising:

a sensor configured to sense flight performance of the aircraft during flight;(see at least

paragraph [, 0005, 0020]);

an avionics system associated with the sensor (see at least paragraph [0018, 0020, 0021]);

a database in data communication with the sensor and the avionics system, the database being configured to store information relating to a the flight performance of the aircraft during flight (see at least FIG. 1, paragraph [0018-0021, 0031]); and

a wireless transmitter in data communication with the avionics system (see at least paragraph [0020] and FIG. 1);

wherein the avionics system is configured to monitor aircraft flight performance data from the sensor (see at least paragraph [0020]); and

wherein the wireless transmitter is configured to wirelessly transmit aircraft flight performance data to the wireless database (see at least paragraph [0020, 0021] and FIG. 1).

Meisels does not explicitly disclose pilot flying the aircraft during flight; and wherein the wireless transmitter is configured to wirelessly transmit aircraft flight performance data and the pilot information to an external wireless database for monitoring; a transceiver in data communication with the database and configured to receive pilot information prior to flight and associate the aircraft flight performance with the pilot information.

Shavit teaches pilot flying the aircraft during flight; and wherein the wireless transmitter is configured to wirelessly transmit aircraft flight performance data and the pilot information to an external wireless database for monitoring ; a transceiver in data communication with the database and configured to receive pilot information prior to

flight and associate the aircraft flight performance with the pilot information (see at least abstract, paragraph [0048]).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Shavit into the invention of Meisels for the purpose of improving the strategy of evaluating the pilots.

Wright teaches receiving information when the aircraft is on the ground i.e. prior to takeoff (see at least claim 18).

Meisel in view of Shavit and further in view of Wright does not explicitly wherein the stored sensed flight performance is only accessible with the associated pilot identification information.

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Wright into the invention of Meisels in view of Shavit for the purpose of improving the maintenance scheduling of the aircraft.

Shavit further teaches a wireless transmitter having a memory, a transceiver comprising input device, transceiver identity associated with pilot identification information; wherein the pilot identification information is entered into the input device (see at least paragraph [0007], data logger comprising a memory unit, transmitting and receiving unit, [0045], bi-directional data-link wireless data communication, wherein the data is encrypted, [0108], data logger connects to additional inputs and types or select his name, the name of the co-pilot, and aircraft serial number before starting any communication, FIG. 2).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Shavit into the invention of Meisels for the purpose of increasing the pace of the pilots, self-improvement and increasing the flight safety (seat paragraph [0005]).

Cur teaches wherein the stored sensed flight performance is only accessible with the associated pilot identification information (see at least paragraph [0392], the instructor's station used to monitor the flight ... to assess the student pilot's performance and manage the student's records. Since the instructor is able to monitor a specific student's performance, the data monitored is associated with a specific student. Furthermore, paragraph [0161] teaches monitoring pilots... Further, during the flight the instructor is able to compare, in real time, the actual course taken by the pilot with the preflight profile, providing the instructor with the capability of instructing the pilot regarding any deviation between the desired and actual flight path. Paragraph [0377] teaches using a camera to recognize the pilot's face for security purposes).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Cur into the invention of Meisels in view of Shavit and Wrigtht for the purpose of providing a direct and real time to the pilot's data during operation in order to monitor the pilot's performance and provide guidance as needed.

b. Claims 2, 3, 4, 17, 19 are rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view of Shavit (2011/0241902), Wright Cur (2007/0236366), and further in view of Torres (2013/0141572).

Regarding claim 2, Meisels in view of Shavit does not explicitly disclose a wireless transceiver in data communication with the wireless transmitter; wherein the wireless transceiver is configured to receive and transmit aircraft flight performance data to the wireless database.

Torres teaches a wireless transceiver in data communication with the wireless transmitter; wherein the wireless transceiver is configured to receive and transmit aircraft flight performance data to the wireless database (see at least FIG. 2, FIG. 3).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Torres into the invention of Meisels in view of Shavit for the purpose of increasing the safety of the aircraft.

Regarding claim 3, Torres teaches wherein the wireless transceiver is portable (see at least paragraph [0033], FIG. 1).

Regarding claims 4, Torres teaches wherein the wireless transceiver is a smartphone (see at least paragraph [0033], FIG. 1).

Regarding claim 17, Meisels discloses a method to monitor aircraft flight performance data, comprising:

sensing flight performance data with a sensor;

transmitting sensed flight performance data to a wireless transmitter; wirelessly transmitting the sensed flight performance data to a wireless database (see at least FIG. 1 and paragraph [0020]);

Meiseles does not explicitly disclose monitoring flight performance data with a display operably associated with the wireless database

and

Torres teaches monitoring flight performance data with a display operably associated with the wireless database (see at least FIG. 10A, paragraph [0116]).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Torres into the invention of Meisels in view of Shavit for the purpose of increasing the safety of the aircraft.

Shavit further teaches a wireless transmitter having a memory, a transceiver comprising input device, transceiver identity associated with pilot identification information; wherein the pilot identification information is entered into the input device (see at least paragraph [0007], data logger comprising a memory unit, transmitting and receiving unit, [0045], bi-directional data-link wireless data communication, wherein the data is encrypted, [0108], data logger connects to additional inputs and types or select his name, the name of the co-pilot, and aircraft serial number before starting any communication, FIG. 2).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Shavit into the invention of Meisels for the purpose of increasing the pace of the pilots, self-improvement and increasing the flight safety (seat paragraph [0005]).

Cur teaches wherein the stored sensed flight performance data is only accessible with the associated pilot identification information (see at least paragraph [0392], the instructor's station used to monitor the flight ... to assess the student pilot's performance and manage the student's records. Since the instructor is able to monitor a specific student's performance, the data monitored is associated with a specific student. Furthermore, paragraph [0161] teaches monitoring pilots... Further, during the flight

the instructor is able to compare, in real time, the actual course taken by the pilot with the preflight profile, providing the instructor with the capability of instructing the pilot regarding any deviation between the desired and actual flight path. Paragraph [0377] teaches using a camera to recognize the pilot's face for security purposes).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Cur into the invention of Meisels in view of Shavit and Wrigtht for the purpose of providing a direct and real time to the pilot's data during operation in order to monitor the pilot's performance and provide guidance as needed.

Regarding claim 19, Shavit teaches wirelessly transmitting pilot information to the database via the wireless transceiver (see at least claim 1).

c. Claims 6 and 7 are rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view of Shavit, Wright, Cur (2007/0236366), Torres (2013/0141572) and further in view of Hedrick (2012/0265372).

Regarding claim 6, Meisels in view of Torres does not explicitly disclose wherein the wireless transceiver is configured to upload data to the avionics system via the wireless transmitter.

Hedrick teaches wherein the wireless transceiver is configured to upload data to the avionics system via the wireless transmitter (see at least abstract, FIG. 1, paragraph [0009]).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Hedric into the invention of Meisels in view of Torres for the purpose of accurately and promptly read and enter data.

Regarding claim 7, Hedrick teaches wherein the uploaded data is a flight planning data (see at least abstract, paragraph [0009]).

d. Claims 8 and 9 are rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view of Shavit (2011/0241902), Wright, Cur (2007/0236366), Torres (2013/0141572) and further in view of Starkey (2012/0265372).

Regarding claim 8, Meisels in view of Shavit, and Torres does teach wherein the wireless transmitter removably attaches to the wireless transceiver.

Starkey teaches wherein the wireless transmitter removably attaches to the wireless transceiver (see at least paragraph [0011]).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Starkey into the invention of Meisels in view of Shavit, and Torres for the purpose of being able to switch or upgrades without making major changes to the system.

Regarding claim 9, Starkey teaches wherein the wireless transmitter removably attaches to the avionics system (see at least paragraph [0011]).

e. Claims 10 and 18 are rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view of Shavit (2011/0241902), Wright (6,148,179) Wright (6,167,239), and Cur (2007/0236366).

Regarding claim 10, Meisels in view of Shavit not explicitly disclose wherein the wireless transceiver is configured to receive and store aircraft flight performance data.

Wright teaches wherein the wireless transceiver is configured to receive and store aircraft flight performance data (see at least abstract).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Wright into the invention of Meisels in view of Shavit for the purpose of being able to accurately detect any malfunction an early stage.

Regarding claim 18, Wright teaches wirelessly transmitting the sensed data to a wireless transceiver operably associated with the database (see at least abstract).

f. Claim 11 is rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view Shavit, in view of Durand (2010/0105329) and further in view of Wright (6,148,179) and Cur (2007/0236366).

Regarding claim 11, Meisels discloses an aircraft flight performance monitoring system (see at least paragraph [0020]); transmitting data to a wireless database (see at least FIG. 1).

Meisels does not explicitly disclose a wireless transmitter in data communication with an avionics system of the aircraft;
a portable wireless transceiver associated with the wireless transmitter; and a wireless database associated with the wireless transmitter; wherein the wireless transmitter is configured to receive and transmit flight performance data from the avionics system to the portable wireless transceiver.

Durand teaches a wireless transmitter in data communication with an avionics system of the aircraft;
a portable wireless transceiver associated with the wireless transmitter; and a wireless database associated with the wireless transmitter; wherein the wireless transmitter is configured to receive and transmit flight performance data from the avionics system to the portable wireless transceiver (see at least abstract).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Durand into the invention of Meisels for the purpose of being able to have access to the performance data during critical phases of flight.

Meisels does not explicitly disclose pilot flying the aircraft during flight (see at least abstract); and wherein the wireless transmitter is configured to wirelessly transmit aircraft flight performance data and the pilot information to an external wireless database for monitoring.

Shavit teaches pilot flying the aircraft during flight (see at least abstract); and wherein the wireless transmitter is configured to wirelessly transmit aircraft flight performance data and the pilot information to an external wireless database for monitoring (see at least abstract).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Shavit into the invention of Meisels for the purpose of improving the strategy of evaluating the pilots.

Wright teaches receiving information when the aircraft is on the ground i.e. prior to takeoff (see at least claim 18).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Wright into the invention of Meisels in view of Shavit for the purpose of improving the maintenance scheduling of the aircraft.

Shavit further teaches a wireless transmitter having a memory, a transceiver comprising input device, transceiver identity associated with pilot identification information; wherein the pilot identification information is entered into the input device (see at least paragraph [0007], data logger comprising a memory unit, transmitting and receiving unit, [0045], bi-directional data-link wireless data communication, wherein the data is encrypted, [0108], data logger connects to additional inputs and types or select his name, the name of the co-pilot, and aircraft serial number before starting any communication, FIG. 2).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Shavit into the invention of Meisels for the purpose of increasing the pace of the pilots, self-improvement and increasing the flight safety (seat paragraph [0005]).

Cur teaches wherein the stored sensed flight performance is only accessible with the associated pilot identification information (see at least paragraph [0392], the instructor’s station used to monitor the flight ... to assess the student pilot's

performance and manage the student's records. Since the instructor is able to monitor a specific student's performance, the data monitored is associated with a specific student. Furthermore, paragraph [0161] teaches monitoring pilots... Further, during the flight the instructor is able to compare, in real time, the actual course taken by the pilot with the preflight profile, providing the instructor with the capability of instructing the pilot regarding any deviation between the desired and actual flight path. Paragraph [0377] teaches using a camera to recognize the pilot's face for security purposes).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Cur into the invention of Meisels in view of Shavit and Wrigtht for the purpose of providing a direct and real time to the pilot's data during operation in order to monitor the pilot's performance and provide guidance as needed.

g. Claims 12 and 13 are rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view Shavit, Wright (6,148,179), Cur (2007/0236366), Durand (2010/0105329) and further in view of Starkey (2012/0265372).

Regarding claim 12, Starkey teaches wherein the wireless transmitter removable attaches to the avionics system (see at least paragraph [0011]).

Regarding claim 13, Starkey teaches wherein the wireless transceiver is configured to receive the wireless transmitter (see at least paragraph [0011]).

h. Claims 14 and 16 are rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view Shavit, Wright (6,148,179), Cur (2007/0236366), Durand (2010/0105329) and further in view Torres (2013/0141572).

Regarding claims 14, Torres teaches wherein the wireless transceiver is a smartphone (see at least paragraph [0033], FIG. 1).

Regarding claim 16, Torres teaches a monitor conductively coupled to the wireless database; wherein the monitor provides viewing access of flight performance data (see at least FIG. 10A, paragraph [0116]).

i. Claim 20 is rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view Shavit, Wright (6,148,179), Torres (2013/0141572) and further in view of Starkey (2012/0265372).

Regarding claim 20, Starkey teaches removably attaching the wireless transmitter to the wireless transceiver (see at least paragraph [0011]).

Response to Arguments

6. Applicant's arguments have been fully considered but are not persuasive. In particular the applicant argues:

The cited references does not teaches the stored flight performance data is only accessible with the associated pilot identification information. Examiner respectively disagrees. At least paragraphs [0392-400] disclose the interaction between the student pilot and the instructor, wherein the instructor

is monitoring the performance of the student pilot. When instructor is monitoring the student's performance it implies that the instructor receives that data regarding the performance associated with a particular pilot. Furthermore, in at least paragraph [0400], the student pilot's voice is another way of identifying the voice of the student pilot associated with the performance data. Furthermore, another way to associate the performance data with the pilot information is disclosed in at least paragraph [0377], wherein the student pilot's face is recognized via a camera.

Conclusion

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

Any inquiry concerning this communication or earlier communications from the examiner should be directed to REDHWAN K MAWARI whose telephone number is (571)270-1535. The examiner can normally be reached on mon-Fri 8-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Berona Kimberly can be reaches at 571-272 6909. 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.

/REDHWAN k MAWARI/

Primary Examiner, Art Unit 3665

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	13/951,900	Girard et al.
	Examiner	Art Unit
	REDHWAN K MAWARI	3665

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

CLAIMS

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

CLAIM		DATE								
Final	Original	2015-06-01	2015-09-28	2016-08-18						
	1	✓	✓	✓						
	2	✓	✓	✓						
	3	✓	✓	✓						
	4	✓	✓	✓						
	5	✓	-	-						
	6	✓	✓	✓						
	7	✓	✓	✓						
	8	✓	✓	✓						
	9	✓	✓	✓						
	10	✓	✓	✓						
	11	✓	✓	✓						
	12	✓	✓	✓						
	13	✓	✓	✓						
	14	✓	✓	✓						
	15	✓	-	-						
	16	✓	✓	-						
	17	✓	✓	✓						
	18	✓	✓	✓						
	19	✓	✓	-						
	20	✓	✓	✓						

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/951,900	07/26/2013	William D. Girard	0837RF-12-139	5290

38441 7590 01/02/2018

LAW OFFICES OF JAMES E. WALTON, PLLC
1169 N. BURLESON BLVD.
SUITE 107-328
BURLESON, TX 76028

EXAMINER	
MAWARI, REDHWAN K	

ART UNIT	PAPER NUMBER
3665	

NOTIFICATION DATE	DELIVERY MODE
01/02/2018	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):

damon@waltonpllc.com
jim@waltonpllc.com

December 27, 2017

LAW OFFICES OF JAMES E. WALTON, PLLC
1169 N. BURLESON BLVD. SUITE 107-328
BURLESON, TX 76028
US

Dear Sir/Madam,

Your refund request for 13951900 in the amount of $200.00 has been denied .

This is in response to your request for a refund letter submitted on December 21, 2017.

The response period for the communication Final Rejection mailed July 31, 2017 was Three Months. The Advisory Action mailed November 3, 2017 stated "the period for reply expires 3 months from the mailing date of the final rejection". The applicant's response was received on November 3, 2017. The extension of time was charged because the response to the Final Rejection was received after the Three Month period set forth in the Final Rejection.

Sincerely,

Wanda M. Barnes

Wanda Barnes
Technical Center 3600
571-272-7266

December 27, 2017

LAW OFFICES OF JAMES E. WALTON, PLLC
1169 N. BURLESON BLVD. SUITE 107-328
BURLESON, TX 76028
US

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Your refund request for 13951900 in the amount of $200.00 has been denied .

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Sincerely,

Wanda M. Barnes

Wanda Barnes
Technical Center 3600
571-272-7266

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No. **0837RF-12-139**

In Re Application of:	§	Examiner: **MAWARI, REDHAWN K.**
WILLIAM D. GIRARD	§	
Serial No: **13/951,900**	§	Art Unit: **3665**
Filed: **26 JULY 2013**	§	
For: **AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA**	§	Confirmation No. **5290**

AMENDMENT

Filed via EFS-Web
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This Amendment is in response to the Office Action dated 14 December 2017, which provides for a three-month response period ending 14 March 2018.

Please enter the following amendments and consider the following remarks.

CERTIFICATE OF TRANSMISSION UNDER 37 C.F.R. § 1.8(a)(1)(i)(C)
Date of Transmission: 3/14/18
I hereby certify that this correspondence is being transmitted to the U.S. Patent and Trademark Office (USPTO) via the USPTO electronic filing system (EFS-Web) on the date shown above.
By: James E. Walton James E. Walton

IN THE CLAIMS:

The following is a complete listing of the claims and replaces all prior versions and listings of claims in the subject application. Please amend the claims as follows:

1. **(Previously Presented)** An aircraft, comprising:

a sensor configured to sense flight performance of the aircraft during flight;

an avionics system associated with the sensor;

a database in data communication with the sensor and the avionics system, the database being configured to store information relating to a pilot flying the aircraft during flight and the flight performance of the aircraft during flight;

a wireless transmitter having memory, the wireless transmitter in data communication with the avionics system and the database; and

a transceiver comprising an input device; the transceiver having a transceiver identity associated with pilot identification information, the transceiver being configured for receiving information relating to sensed flight performance from the wireless transmitter, for associating the thus received information with the pilot identification information associated with the transceiver identity, and for transmitting the received information with the thus associated pilot identification information to the database;

wherein the transceiver is a wireless transceiver in data communication with the wireless transmitter;

wherein the wireless transceiver is configured to wirelessly receive and transmit aircraft flight performance data to the database

wherein the stored sensed flight performance is only accessible with the associated pilot identification information;

wherein the avionics system is configured to monitor aircraft flight performance data from the sensor; and

wherein the pilot identification information is entered directly into the input device of the transceiver.

2. **(Canceled)**.

3. **(Currently Amended)** The aircraft of claim [[2]] 1, wherein the transceiver is portable.

4. **(Previously Presented)** The aircraft of claim 3, wherein the transceiver is a smartphone.

5. **(Cancelled)**

6. **(Currently Amended)** The aircraft of claim [[2]] 1, wherein the transceiver is configured to upload data to the avionics system via the wireless transmitter.

7. **(Original)** The aircraft of claim 6, wherein the uploaded data is a flight planning data.

8. **(Original)** The aircraft of claim 2, wherein the wireless transmitter removably attaches to the wireless transceiver.

9. **(Original)** The aircraft of claim 1, wherein the wireless transmitter removably attaches to the avionics system.

10. **(Previously Presented)** The aircraft of claim 1, wherein the transceiver is configured to receive and store aircraft flight performance data.

11. **(Currently Amended)** An aircraft flight performance monitoring system, comprising:

a wireless transmitter having memory, the wireless transmitter in data communication with an avionics system of an aircraft;

a database in data communication with the avionics system, the database being configured to store information relating to a pilot flying the aircraft during flight and flight performance of the aircraft during flight;

a transceiver comprising an input device; the transceiver having a transceiver identity associated with pilot identification information, the transceiver being configured for receiving information relating to sensed flight performance from the wireless transmitter, for associating the thus received information with the pilot identification information associated with the transceiver identity, and for transmitting the received information with the thus associated pilot identification information to the database;

wherein the stored sensed flight performance is only accessible with the associated pilot identification information;

wherein the wireless transmitter is configured to receive and transmit flight performance data from the avionics system to the transceiver, which in turn is transmitted to the database; and

wherein the pilot identification information is entered directly into the input device of the transceiver.

12. **(Previously Presented)** The system of claim 11, wherein the wireless transmitter removably attaches to the avionics system.

13. **(Previously Presented)** The system of claim 12, wherein the transceiver is configured to wirelessly receive information from the wireless transmitter.

14. **(Previously Presented)** The system of claim 11, wherein the transceiver is a smartphone.

15. **(Cancelled)**

16. **(Cancelled)**

17. **(Currently Amended)** A method to monitor aircraft flight performance data, comprising:

sensing flight performance data with a sensor;

transmitting, by a wireless transmitter having memory, sensed flight performance data to a transceiver having a transceiver identity associated with pilot identification information;

entering the pilot identification information directly on the transceiver;

associating, by the transceiver, sensed flight performance data received from the wireless transmitter with the pilot identification information associated with the transceiver identity;

transmitting, by the transceiver, the received sensed flight performance data with the associated pilot identification information to a database; and

allowing access to the received sensed flight performance data only with the associated pilot identification information.

18. **(Previously Presented)** The method of claim 17, wherein the transmitting by the transceiver of the associated sensed flight performance data and pilot identification information includes wirelessly transmitting the associated sensed flight performance data and pilot identification information to the database.

19. **(Cancelled)**

20. **(Previously Presented)** The method of claim 18, further comprising:

removably attaching the wireless transmitter to the transceiver.

REMARKS:

Claims 1-4, 6-14, 17, 18, and 20 remain pending in the present Application.

Claim 1 stands rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels (US 2012/0053777) in view of Shavit (US 2011/0241902) and further in view of U.S. Patent No. 6,148,179 (Wright) and further in view of U.S Patent Publication No. 2007/0236366 (Gur). Claims 2, 3, 4, 17, and 19 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Shavit, Wright, Gur, and further in view of Torres (US 2013/0141572). Claims 6 and 7 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Shavit, Wright, Gur, Torres and further in view of Hedrick (US 2012/0265372). Claims 8 and 9 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Shavit, Wright, Gur, Torres and further in view of Starkey (US 2012/0265372). Claims 10 and 18 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Shavit, Wright, and Wright '239 (US 6167239) and Gur. Claim 11 stands rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels (US 2012/0053777) in view of Shavit (US 2011/0241902), Durand (US 2010/0105329) and further in view of U.S. Patent No. 6,148,179 (Wright) and Gur. Claims 12 and 13 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Shavit, Wright, Gur, Durand (US 2010/0105329), and further in view of Starkey (US 2012/0265372). Claims 14 and 16 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Shavit, Gur, Durand and further in view of Torres (US 2013/0141572). Claim 20 stands rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Shavit, Torres, and Starkey. The Applicants respectfully traverse these rejections for at least the following reasons.

Applicants respectfully submit that none of the cited references include a teaching of a transmitter having memory, of a transceiver that has a transceiver ID that is associated with a pilot ID and entered into the transceiver, and none of the cited references include a teaching of a transceiver that associates such an ID with received

flight performance data and then relays such associated information to a database that only allows access to the information based upon providing the corresponding pilot's ID.

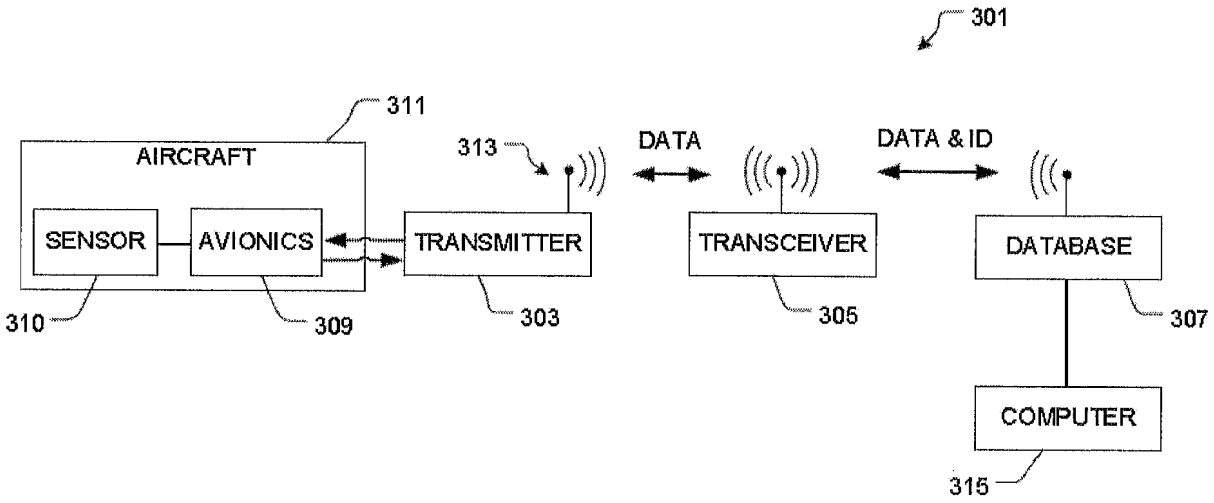

FIG. 3

The Applicants submit that Figure 3 illustrates a main difference between the claimed system and method and the combination of Meisel in view of Shavit and Wright. Specifically, the claimed system and method enters the pilot identification to the transceiver, and that the data from the transmitter to the transceiver does not have the ID information embedded.

Meisel in view of Shavit and Wright as suggested by the Examiner records the pilots face and voice and transmits that information directly from the transmitter. As such, none of the cited references, whether considered separately or in the proposed combinations, discloses or suggest all of the limitations of the pending claims as amended herein.

In view of the foregoing amendments and remarks, the Applicants request that the rejections of claims 1-4, 6-14, 17, 18, and 20 under §103(a) be reconsidered and withdrawn, and that the pending claims be placed in condition for allowance.

Distinctions, Other Than Those Discussed, May Exist:

It should be noted that the Applicant has merely discussed example distinctions from the references cited by the Examiner. Other distinctions may exist and Applicant reserves the right to discuss these additional distinctions in a future Response or on Appeal.

CONCLUSION:

The Applicant submits that the subject application is now considered to be in condition for allowance, and an early reconsideration and issuance of a Notice of Allowance are earnestly solicited. The Examiner is invited to contact the undersigned at (817) 447-9955 with any questions, comments, or suggestions relating to the referenced patent application.

This Amendment is being filed via the U.S. Patent and Trademark Office's EFS-Web electronic filing system. No fees are deemed to be necessary; however, the Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayments, to **Deposit Account No. 502806**.

Respectfully submitted,

3/14/18
Date

James E. Walton
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Law Offices of James E. Walton, P.L.L.C.
1169 N. Burleson Blvd., Suite 107-328
Burleson, Texas 76028
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CUSTOMER NO. 38441

ATTORNEY FOR APPLICANT

Electronic Acknowledgement Receipt

EFS ID:	32046004
Application Number:	13951900
International Application Number:	
Confirmation Number:	5290
Title of Invention:	AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA
First Named Inventor/Applicant Name:	William D. Girard
Customer Number:	38441
Filer:	James Edward Walton
Filer Authorized By:	
Attorney Docket Number:	0837RF-12-139
Receipt Date:	14-MAR-2018
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Time Stamp:	10:40:57
Application Type:	Utility under 35 USC 111(a)

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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		Amendment20180314.pdf	1138714 a2519afea0f06d7ccc8abdca46ccd713f4cefebb	yes	10

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Miscellaneous Incoming Letter	1	2
	Amendment/Req. Reconsideration-After Non-Final Reject	3	10
Warnings:			
Information:			
	Total Files Size (in bytes):	1138714	

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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.
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

Attorney Docket No. **0837RF-12-139**

In Re Application of:	§	Examiner: **MAWARI, REDHAWN K.**
WILLIAM D. GIRARD	§	
Serial No: **13/951,900**	§	Art Unit: **3665**
Filed: **26 JULY 2013**	§	
For: **AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA**	§	Confirmation No. **5290**

TRANSMITTAL

Filed via EFS-Web
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

Please file the following enclosed documents in the subject application:

1. This Transmittal with Certificate of Transmission; and
2. Amendment.

CERTIFICATE OF TRANSMISSION UNDER 37 C.F.R. § 1.8(a)(1)(i)(C)
Date of Transmission: 3/14/18
I hereby certify that this correspondence is being transmitted to the U.S. Patent and Trademark Office (USPTO) via the USPTO electronic filing system (EFS-Web) on the date shown above.
By: James E. Walton

The above-listed documents are being filed via the U.S. Patent and Trademark Office's EFS-Web electronic filing system. No fees are deemed to be necessary; however, the undersigned hereby authorizes the Commissioner to charge any fees that may be required, or credit any overpayments, to **Deposit Account No. 502806**.

Respectfully submitted,

3/14/18
Date

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PTO/SB/06 (09-11)
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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 13/951,900	Filing Date 07/26/2013	☐ 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	03/14/2018	(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))	* 15	Minus	** 20	= 0	X $100 =	0
	Independent (37 CFR 1.16(h))	* 3	Minus	***3	= 0	X $460 =	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
ERIC DANTZLER

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

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

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/951,900	07/26/2013	William D. Girard	0837RF-12-139	5290

38441 7590 03/28/2018

LAW OFFICES OF JAMES E. WALTON, PLLC
1169 N. BURLESON BLVD.
SUITE 107-328
BURLESON, TX 76028

EXAMINER	
MAWARI, REDHWAN K	

ART UNIT	PAPER NUMBER
3665	

NOTIFICATION DATE	DELIVERY MODE
03/28/2018	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):

damon@waltonpllc.com
jim@waltonpllc.com

UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

March 24, 2018

LAW OFFICES OF JAMES E. WALTON, PLLC
1169 N. BURLESON BLVD. SUITE 107-328
BURLESON, TX 76028
US

Dear Sir/Madam,

Your refund request for 13951900 in the amount of $200.00 has been denied .

After thorough inspection of U.S. Patent and Trademark Office physical records and Revenue Accounting Management financial records, it is determined that you are not entitled to the $200.00 The request for refund is hereby DENIED .

This is in response to your second request for refund letter submitted on January 9, 2018, Wherein you requested a refund of $200.00 for payment of fees for the filing of a one month extension. Applicant is advised of the following rule CFR 1.26

The Director may refund any fee paid by mistake or in excess of that required. A change of purpose after the payment of a fee, such as when a party desires to withdraw a patent filing for which the fee was paid, including an application, an appeal, or a request for an oral hearing, will not entitle a party to a refund of such fee. Applicant is advised of the following: A final rejection was mailed to applicant on July 31, 2017. Applicant replied to the final rejection with an amendment after final on October 2, 2017 (2 months 2 days after the after the final rejection was issued). The examiner responded to the after final amendment on November 3, 2018, although applicant filed an RCE on the same day the advisory was mailed, a one month extension was still required.

Sincerely,

/Merilyn S. Watts/
Technical Operation Review Program Manager
Office of Patent Examination Support Services
(571)272-4398

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/951,900	07/26/2013	William D. Girard	0837RF-12-139	5290

38441 7590 06/01/2018

LAW OFFICES OF JAMES E. WALTON, PLLC
1169 N. BURLESON BLVD.
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UNITED STATES OF AMERICA

EXAMINER	
MAWARI, REDHWAN K	

ART UNIT	PAPER NUMBER
3665	

NOTIFICATION DATE	DELIVERY MODE
06/01/2018	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):

damon@waltonpllc.com
jim@waltonpllc.com

Office Action Summary	Application No. 13/951,900	Applicant(s) Girard et al.	
	Examiner REDHWAN K MAWARI	Art Unit 3665	AIA 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 03/14/2018.

☐ 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) 1,3-4,6-14,17-18 and 20 is/are pending in the application.

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

6) ☐ Claim(s) _____ is/are allowed.

7) ☑ Claim(s) 1-4,6-14,17-18 and 20 is/are rejected.

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

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

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

Application Papers

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

11)☐ The drawing(s) filed on _____ 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: _____.

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

Response to Arguments

6. Applicant's arguments have been fully considered but are not persuasive. In particular the applicant argues:

Applicants respectfully submit that none of the cited references include a teaching of a transmitter having **memory**, of a **transceiver that has a transceiver ID that is associated with a pilot ID and entered into the transceiver**, and none of the cited references include a teaching of a transceiver that associates such an ID with received flight performance data and then relays such associated information to a database that only allows access to the information based upon providing the corresponding pilot's ID. **Specifically, the claimed system and method enters the pilot identification to the transceiver, and that the data from the transmitter to the transceiver does not have the ID information embedded**. Meisel in view of Shavit and Wright as suggested by the Examiner records the pilots face and voice and transmits that information directly from the transmitter. As such, none of the cited references, whether considered separately or in the proposed combinations, discloses or suggest all of the limitations of the pending claims as amended herein.

In response to A) examiner respectively disagrees. Applicant is reminded that claims must be given their broadest reasonable interpretation. Given the broadest interpretation, as claimed it is the examiner's position, the reference of record teaches what he is argued. As noted in at least paragraph [0007], it is clear to the examiner that this passage supports the argued limitation. More specifically, Shavit teaches a system for collecting flight data associated with an aircraft; wherein the systems includes a data logger 202 comprising a memory unit for storing flight data. Furthermore, the data logger 202 comprises a transmitter and receiver for transmit flight data to a remote system and receive

data from a remote system. Furthermore, at least paragraph [0045] teaches that data logger 202 can be implemented on a portable device such as a smart phone that is carried onboard an aircraft during flight. The data logger is also bi-directional implemented using wireless data communication. At least paragraph [0048], teaches pilot information is collected by the data logger and also transmitted to the ground server such as pilot names. FIG. 2 shows a data logger 202 which receives information such as pilot provided information 261 and transmitting such information along with the aircraft information to the ground server. Furthermore, FIG. 5 illustrates the types of information collected by the data logger wherein the data logger also transmits information to a remote location. Examiner notes that applicant discloses in the specification, paragraph [0015] that the transmitter could also be configured to fit within transceiver 305, e.g., a mini SD fitted within a smart phone or a portable tablet. For more clarification examiner introduces a secondary reference, Torres, that teaches a separate wireless transmitter and transceiver (see at least FIG. 1, and 2, i.e. 50 and 250, wherein transmitter 50 transmits data to transceiver 250 and 212 for displaying received information).

Claim Rejections - 35 USC § 103

1. 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.

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

> A patent for a claimed invention may not be obtained, notwithstanding that the claimed invention is not identically disclosed as set forth in section 102 of this title, if the differences between the claimed invention and the prior art are such that the claimed invention as a whole would have been obvious before the effective filing date of the claimed invention to a person having ordinary skill in the art to

which the claimed invention pertains. Patentability shall not be negated by the manner in which the invention was made.

a. Claims 1, 3, 4, 17, 19 are rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view of Shavit (2011/0241902), Wright Cur (2007/0236366), and further in view of Torres (2013/0141572).

Regarding claim 1, Meisels discloses an aircraft, comprising:

a sensor configured to sense flight performance of the aircraft during flight;(see at least paragraph [, 0005, 0020]);

an avionics system associated with the sensor (see at least paragraph [0018, 0020, 0021]);

a database in data communication with the sensor and the avionics system, the database being configured to store information relating to a the flight performance of the aircraft during flight (see at least FIG. 1, paragraph [0018-0021, 0031]); and

a wireless transmitter in data communication with the avionics system (see at least paragraph [0020] and FIG. 1);

wherein the avionics system is configured to monitor aircraft flight performance data from the sensor (see at least paragraph [0020]); and

wherein the wireless transmitter is configured to wirelessly transmit aircraft flight performance data to the wireless database (see at least paragraph [0020, 0021] and FIG. 1).

Meisels does not explicitly disclose pilot flying the aircraft during flight; and

wherein the wireless transmitter is configured to wirelessly transmit aircraft flight performance data and the pilot information to an external wireless

database for monitoring; a transceiver in data communication with the database and configured to receive pilot information prior to flight and associate the aircraft flight performance with the pilot information.

Shavit teaches pilot flying the aircraft during flight; and wherein the wireless transmitter is configured to wirelessly transmit aircraft flight performance data and the pilot information to an external wireless database for monitoring ; a transceiver in data communication with the database and configured to receive pilot information prior to flight and associate the aircraft flight performance with the pilot information (see at least abstract, paragraph [0048]).

Shavit further teaches a wireless transmitter having a memory, a transceiver comprising input device, transceiver identity associated with pilot identification information; wherein the pilot identification information is entered into the input device (see at least paragraph [0007], data logger comprising a memory unit, transmitting and receiving unit, [0045], bi-directional data-link wireless data communication, wherein the data is encrypted, [0108], data logger connects to additional inputs and types or select his name, the name of the co-pilot, and aircraft serial number before starting any communication, FIG. 2).

Furthermore, Shavit teaches in at least paragraph [0007], it is clear to the examiner that this passage supports the argued limitation. More specifically, Shavit teaches a system for collecting flight data associated with an aircraft; wherein the systems includes a data logger 202 comprising a memory unit for storing flight data. Furthermore, the data logger 202 comprises a transmitter and receiver for transmit flight data to a remote system and receive data from a remote system. Furthermore, at least paragraph [0045] teaches that data logger 202 can be implemented on a portable

device such as a smart phone that is carried onboard an aircraft during flight. The data logger is also bi-directional implemented using wireless data communication. At least paragraph [0048], teaches pilot information is collected by the data logger and also transmitted to the ground server such as pilot names. FIG. 2 shows a data logger 202 which receives information such as pilot provided information 261 and transmitting such information along with the aircraft information to the ground server. Furthermore, FIG. 5 illustrates the types of information collected by the data logger wherein the data logger also transmits information to a remote location.

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Shavit into the invention of Meisels for the purpose of improving the strategy of evaluating the pilots.

Wright teaches receiving information when the aircraft is on the ground i.e. prior to takeoff (see at least claim 18).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Wright into the invention of Meisels in view of Shavit for the purpose of improving the maintenance scheduling of the aircraft.

Meisel in view of Shavit and further in view of Wright does not explicitly wherein the stored sensed flight performance is only accessible with the associated pilot identification information.

Cur teaches wherein the stored sensed flight performance is only accessible with the associated pilot identification information (see at least paragraph [0392], the instructor’s station used to monitor the flight ... to assess the student pilot's performance and manage the student's records. Since the instructor is able to monitor a

specific student's performance, the data monitored is associated with a specific student. Furthermore, paragraph [0161] teaches monitoring pilots... Further, during the flight the instructor is able to compare, in real time, the actual course taken by the pilot with the preflight profile, providing the instructor with the capability of instructing the pilot regarding any deviation between the desired and actual flight path. Paragraph [0377] teaches using a camera to recognize the pilot's face for security purposes).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Cur into the invention of Meisels in view of Shavit and Wrigtht for the purpose of providing a direct and real time to the pilot's data during operation in order to monitor the pilot's performance and provide guidance as needed.

Examiner notes that applicant discloses in the specification, paragraph [0015] that the transmitter could also be configured to fit within transceiver 305, e.g., a mini SD fitted within a smart phone or a portable tablet. For more clarification examiner introduces a secondary reference, Torres, that teaches a separate wireless transmitter and transceiver (see at least FIG. 1, and 2, i.e. 50 and 250, wherein transmitter 50 transmits data to transceiver 250 and 212 for displaying received information).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Torres into the invention of Meisels in view of Shavit for the purpose of increasing the safety of the aircraft.

Regarding claim 3, Torres teaches wherein the wireless transceiver is portable (see at least paragraph [0033], FIG. 1).

Regarding claims 4, Torres teaches wherein the wireless transceiver is a smartphone (see at least paragraph [0033], FIG. 1).

Regarding claim 17, Meisels discloses a method to monitor aircraft flight performance data, comprising:

sensing flight performance data with a sensor;

transmitting sensed flight performance data to a wireless transmitter; wirelessly transmitting the sensed flight performance data to a wireless database (see at least FIG. 1 and paragraph [0020]);

Meiseles does not explicitly disclose monitoring flight performance data with a display operably associated with the wireless database

and

Torres teaches monitoring flight performance data with a display operably associated with the wireless database (see at least FIG. 10A, paragraph [0116]).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Torres into the invention of Meisels in view of Shavit for the purpose of increasing the safety of the aircraft.

Shavit further teaches a wireless transmitter having a memory, a transceiver comprising input device, transceiver identity associated with pilot identification information; wherein the pilot identification information is entered into the input device (see at least paragraph [0007], data logger comprising a memory unit, transmitting and receiving unit, [0045], bi-directional data-link wireless data communication, wherein the data is encrypted, [0108], data logger connects to additional inputs and types or select

his name, the name of the co-pilot, and aircraft serial number before starting any communication, FIG. 2).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Shavit into the invention of Meisels for the purpose of increasing the pace of the pilots, self-improvement and increasing the flight safety (seat paragraph [0005]).

Cur teaches wherein the stored sensed flight performance data is only accessible with the associated pilot identification information (see at least paragraph [0392], the instructor's station used to monitor the flight ... to assess the student pilot's performance and manage the student's records. Since the instructor is able to monitor a specific student's performance, the data monitored is associated with a specific student. Furthermore, paragraph [0161] teaches monitoring pilots... Further, during the flight the instructor is able to compare, in real time, the actual course taken by the pilot with the preflight profile, providing the instructor with the capability of instructing the pilot regarding any deviation between the desired and actual flight path. Paragraph [0377] teaches using a camera to recognize the pilot's face for security purposes).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Cur into the invention of Meisels in view of Shavit and Wrigtht for the purpose of providing a direct and real time to the pilot's data during operation in order to monitor the pilot's performance and provide guidance as needed.

Regarding claim 19, Shavit teaches wirelessly transmitting pilot information to the database via the wireless transceiver (see at least claim 1).

b. Claims 6 and 7 are rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view of Shavit, Wright, Cur (2007/0236366), Torres (2013/0141572) and further in view of Hedrick (2012/0265372).

Regarding claim 6, Meisels in view of Torres does not explicitly disclose wherein the wireless transceiver is configured to upload data to the avionics system via the wireless transmitter.

Hedrick teaches wherein the wireless transceiver is configured to upload data to the avionics system via the wireless transmitter (see at least abstract, FIG. 1, paragraph [0009]).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Hedric into the invention of Meisels in view of Torres for the purpose of accurately and promptly read and enter data.

Regarding claim 7, Hedrick teaches wherein the uploaded data is a flight planning data (see at least abstract, paragraph [0009]).

c. Claims 8 and 9 are rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view of Shavit (2011/0241902), Wright, Cur (2007/0236366), Torres (2013/0141572) and further in view of Starkey (2012/0265372).

Regarding claim 8, Meisels in view of Shavit, and Torres does teach wherein the wireless transmitter removably attaches to the wireless transceiver.

Starkey teaches wherein the wireless transmitter removably attaches to the wireless transceiver (see at least paragraph [0011]).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Starkey into the invention of Meisels in view of Shavit, and Torres for the purpose of being able to switch or upgrades without making major changes to the system.

Regarding claim 9, Starkey teaches wherein the wireless transmitter removably attaches to the avionics system (see at least paragraph [0011]).

d. Claims 10 and 18 are rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view of Shavit (2011/0241902), Wright (6,148,179) Wright (6,167,239), and Cur (2007/0236366).

Regarding claim 10, Meisels in view of Shavit not explicitly disclose wherein the wireless transceiver is configured to receive and store aircraft flight performance data.

Wright teaches wherein the wireless transceiver is configured to receive and store aircraft flight performance data (see at least abstract).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Wright into the invention of Meisels in view of Shavit for the purpose of being able to accurately detect any malfunction an early stage.

Regarding claim 18, Wright teaches wirelessly transmitting the sensed data to a wireless transceiver operably associated with the database (see at least abstract).

e. Claim 11 is rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view Shavit, in view of Durand (2010/0105329) and further in view of Wright (6,148,179) and Cur (2007/0236366).

Regarding claim 11, Meisels discloses an aircraft flight performance monitoring system (see at least paragraph [0020]); transmitting data to a wireless database (see at least FIG. 1).

Meisels does not explicitly disclose a wireless transmitter in data communication with an avionics system of the aircraft;
a portable wireless transceiver associated with the wireless transmitter; and a wireless database associated with the wireless transmitter; wherein the wireless transmitter is configured to receive and transmit flight performance data from the avionics system to the portable wireless transceiver.

Durand teaches a wireless transmitter in data communication with an avionics system of the aircraft;
a portable wireless transceiver associated with the wireless transmitter; and a wireless database associated with the wireless transmitter; wherein the wireless transmitter is configured to receive and transmit flight performance data from the avionics system to the portable wireless transceiver (see at least abstract).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Durand into the invention of Meisels for the purpose of being able to have access to the performance data during critical phases of flight.

Meisels does not explicitly disclose pilot flying the aircraft during flight (see at least abstract); and wherein the wireless transmitter is configured to wirelessly transmit aircraft flight performance data and the pilot information to an external wireless database for monitoring.

Shavit teaches pilot flying the aircraft during flight (see at least abstract); and wherein the wireless transmitter is configured to wirelessly transmit aircraft flight performance data and the pilot information to an external wireless database for monitoring (see at least abstract).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Shavit into the invention of Meisels for the purpose of improving the strategy of evaluating the pilots.

Wright teaches receiving information when the aircraft is on the ground i.e. prior to takeoff (see at least claim 18).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Wright into the invention of Meisels in view of Shavit for the purpose of improving the maintenance scheduling of the aircraft.

Shavit further teaches a wireless transmitter having a memory, a transceiver comprising input device, transceiver identity associated with pilot identification information; wherein the pilot identification information is entered into the input device (see at least paragraph [0007], data logger comprising a memory unit, transmitting and receiving unit, [0045], bi-directional data-link wireless data communication, wherein the data is encrypted, [0108], data logger connects to additional inputs and types or select

his name, the name of the co-pilot, and aircraft serial number before starting any communication, FIG. 2).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Shavit into the invention of Meisels for the purpose of increasing the pace of the pilots, self-improvement and increasing the flight safety (seat paragraph [0005]).

Cur teaches wherein the stored sensed flight performance is only accessible with the associated pilot identification information (see at least paragraph [0392], the instructor's station used to monitor the flight ... to assess the student pilot's performance and manage the student's records. Since the instructor is able to monitor a specific student's performance, the data monitored is associated with a specific student. Furthermore, paragraph [0161] teaches monitoring pilots... Further, during the flight the instructor is able to compare, in real time, the actual course taken by the pilot with the preflight profile, providing the instructor with the capability of instructing the pilot regarding any deviation between the desired and actual flight path. Paragraph [0377] teaches using a camera to recognize the pilot's face for security purposes).

Accordingly, it would have been obvious to an ordinary skilled person in the art before the filing date of the invention to combine the invention of Cur into the invention of Meisels in view of Shavit and Wrigtht for the purpose of providing a direct and real time to the pilot's data during operation in order to monitor the pilot's performance and provide guidance as needed.

f. Claims 12 and 13 are rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view Shavit, Wright (6,148,179), Cur (2007/0236366), Durand (2010/0105329) and further in view of Starkey (2012/0265372).

Regarding claim 12, Starkey teaches wherein the wireless transmitter removable attaches to the avionics system (see at least paragraph [0011]).

Regarding claim 13, Starkey teaches wherein the wireless transceiver is configured to receive the wireless transmitter (see at least paragraph [0011]).

g. Claims 14 and 16 are rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view Shavit, Wright (6,148,179), Cur (2007/0236366), Durand (2010/0105329) and further in view Torres (2013/0141572).

Regarding claims 14, Torres teaches wherein the wireless transceiver is a smartphone (see at least paragraph [0033], FIG. 1).

Regarding claim 16, Torres teaches a monitor conductively coupled to the wireless database; wherein the monitor provides viewing access of flight performance data (see at least FIG. 10A, paragraph [0116]).

h. Claim 20 is rejected under 35 U.S.C. 103 as being unpatentable over Meisels (2012/0053777) in view Shavit, Wright (6,148,179), Torres (2013/0141572) and further in view of Starkey (2012/0265372).

Regarding claim 20, Starkey teaches removably attaching the wireless transmitter to the wireless transceiver (see at least paragraph [0011]).

Conclusion

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

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

Any inquiry concerning this communication or earlier communications from the examiner should be directed to REDHWAN K MAWARI whose telephone number is (571)270-1535. The examiner can normally be reached on mon-Fri 8-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Berona Kimberly can be reaches at 571-272 6909. 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.

/REDHWAN k MAWARI/

Primary Examiner, Art Unit 3665

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	13/951,900	Girard et al.
	Examiner	Art Unit
	REDHWAN K MAWARI	3665

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

CLAIMS

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

CLAIM		DATE								
Final	Original	06/01/2015	09/28/2015	08/18/2016						
	1	✓	✓	✓						
	2	✓	✓	-						
	3	✓	✓	✓						
	4	✓	✓	✓						
	5	✓	-	-						
	6	✓	✓	✓						
	7	✓	✓	✓						
	8	✓	✓	✓						
	9	✓	✓	✓						
	10	✓	✓	✓						
	11	✓	✓	✓						
	12	✓	✓	✓						
	13	✓	✓	✓						
	14	✓	✓	✓						
	15	✓	-	-						
	16	✓	✓	-						
	17	✓	✓	✓						
	18	✓	✓	✓						
	19	✓	✓	-						
	20	✓	✓	✓						

Doc code: RCEX
Doc description: Request for Continued Examination (RCE)

PTO/SB/30EFS (07-14)
Approved for use through 07/31/2016. 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.

REQUEST FOR CONTINUED EXAMINATION(RCE)TRANSMITTAL
(Submitted Only via EFS-Web)

Application Number	13/951,900	Filing Date	2013-07-26	Docket Number (if applicable)	0837RF-12-139	Art Unit	3665
First Named Inventor	WILLIAM D. GIRARD			Examiner Name	MAWARI, REDHWAN K.		

This is a Request for Continued Examination (RCE) under 37 CFR 1.114 of the above-identified application.
Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8, 1995, to any international application that does not comply with the requirements of 35 U.S.C. 371, or to any design application. The Instruction Sheet for this form is located at WWW.USPTO.GOV.

SUBMISSION REQUIRED UNDER 37 CFR 1.114

Note: If the RCE is proper, any previously filed unentered amendments and amendments enclosed with the RCE will be entered in the order in which they were filed unless applicant instructs otherwise. If applicant does not wish to have any previously filed unentered amendment(s) entered, applicant must request non-entry of such amendment(s).

☐ Previously submitted. If a final Office action is outstanding, any amendments filed after the final Office action may be considered as a submission even if this box is not checked.

- ☐ Consider the arguments in the Appeal Brief or Reply Brief previously filed on _____
- ☐ Other _____

☒ Enclosed

- ☒ Amendment/Reply
- ☐ Information Disclosure Statement (IDS)
- ☐ Affidavit(s)/ Declaration(s)
- ☐ Other _____

MISCELLANEOUS

☐ Suspension of action on the above-identified application is requested under 37 CFR 1.103(c) for a period of months _____ (Period of suspension shall not exceed 3 months; Fee under 37 CFR 1.17(i) required)

☐ Other _____

FEES

The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.

☒ The Director is hereby authorized to charge any underpayment of fees, or credit any overpayments, to Deposit Account No 502806

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

☒ Patent Practitioner Signature

☐ Applicant Signature

PTO/SB/30EFS (07-14)
Approved for use through 07/31/2016. 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.

Signature of Registered U.S. Patent Practitioner			
Signature	/jamesewaltonpat/	Date (YYYY-MM-DD)	2018-11-01
Name	James E. Walton	Registration Number	47245

This collection of information is required by 37 CFR 1.114. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450.

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

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No. **0837RF-12-139**

In Re Application of:	§	Examiner: **MAWARI, REDHAWN K.**
WILLIAM D. GIRARD	§	
Serial No: **13/951,900**	§	Art Unit: **3665**
Filed: **26 JULY 2013**	§	
For: **AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA**	§	Confirmation No. **5290**

TRANSMITTAL

Filed via EFS-Web
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

Please file the following enclosed documents in the subject application:

1. This Transmittal with Certificate of Transmission; and
2. Request for Continued Examination;
3. Amendment Under 37 C.F.R. § 1.114; and
4. Request for Two-Month Extension of Time to Respond.

CERTIFICATE OF TRANSMISSION UNDER 37 C.F.R. § 1.8(a)(1)(i)(C)

Date of Transmission: 11/1/18

I hereby certify that this correspondence is being transmitted to the U.S. Patent and Trademark Office (USPTO) via the USPTO electronic filing system (EFS-Web) on the date shown above.

By: James E. Walton
James E. Walton

The above-listed documents are being filed via the U.S. Patent and Trademark Office's EFS-Web electronic filing system. The filing fee for the Request for Examination and the Extension Fee are being paid by a designated credit card via the EFS-Web system. No other fees are deemed to be necessary; however, the Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayments, to **Deposit Account No. 502806**.

Respectfully submitted,

11/1/18
Date

James E. Walton
Reg. No. 47,245
Law Offices of James E. Walton, P.L.L.C.
1169 N. Burleson Blvd., Suite 107-328
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CUSTOMER NO. 38441

ATTORNEY FOR APPLICANTS

PTO/AIA/22 (03-13)
Approved for use through 11/30/2020. 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 displays a valid OMB control number.

PETITION FOR EXTENSION OF TIME UNDER 37 CFR 1.136(a)

Docket Number (Optional): 0837RF-12-139

Application Number: 13/951,900

Filed: 26 July 2013

For: Avionics System Adapted for Employing Smartphone to Input-Output Flight Data

Art Unit: 3665

Examiner: Mawari, Redhawn K.

This is a request under the provisions of 37 CFR 1.136(a) to extend the period for filing a reply in the above-identified application.

The requested extension and fee are as follows (check time period desired and enter the appropriate fee below):

		Fee	Small Entity Fee	Micro Entity Fee	
☐	One month (37 CFR 1.17(a)(1))	$200	$100	$50	$
☑	Two months (37 CFR 1.17(a)(2))	$600	$300	$150	$ 600.00
☐	Three months (37 CFR 1.17(a)(3))	$1,400	$700	$350	$
☐	Four months (37 CFR 1.17(a)(4))	$2,200	$1,100	$550	$
☐	Five months (37 CFR 1.17(a)(5))	$3,000	$1,500	$750	$

☐ Applicant asserts small entity status. See 37 CFR 1.27.

☐ Applicant certifies micro entity status. See 37 CFR 1.29.
Form PTO/SB/15A or B or equivalent must either be enclosed or have been submitted previously.

☐ A check in the amount of the fee is enclosed.

☐ Payment by credit card. Form PTO-2038 is attached.

☐ The Director has already been authorized to charge fees in this application to a Deposit Account.

☑ The Director is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account Number 502806.

☑ Payment made via EFS-Web.

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

I am the

☐ applicant.

☐ attorney or agent of record. Registration number _____.

☑ attorney or agent acting under 37 CFR 1.34. Registration number 47245.

/jamesewaltonpat/ — Signature

11/1/2018 — Date

James E. Walton — Typed or printed name

817-447-9955 — Telephone Number

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications. Submit multiple forms if more than one signature is required, see below*.

☑ * Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.136(a). 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 6 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: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Electronic Patent Application Fee Transmittal

Application Number:	13951900
Filing Date:	26-Jul-2013
Title of Invention:	AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA
First Named Inventor/Applicant Name:	William D. Girard
Filer:	James Edward Walton
Attorney Docket Number:	0837RF-12-139

Filed as Large Entity

Filing Fees for Utility under 35 USC 111(a)

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

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension - 2 months with $0 paid	1252	1	600	600
Miscellaneous:				
RCE- 2ND AND SUBSEQUENT REQUEST	1820	1	1900	1900
		Total in USD ($)		**2500**

Electronic Acknowledgement Receipt

EFS ID:	34188141
Application Number:	13951900
International Application Number:	
Confirmation Number:	5290
Title of Invention:	AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA
First Named Inventor/Applicant Name:	William D. Girard
Customer Number:	38441
Filer:	James Edward Walton
Filer Authorized By:	
Attorney Docket Number:	0837RF-12-139
Receipt Date:	01-NOV-2018
Filing Date:	26-JUL-2013
Time Stamp:	16:07:49
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	EFT
Payment was successfully received in RAM	$2500
RAM confirmation Number	110218INTEFSW16083600
Deposit Account	502806
Authorized User	James Walton

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

37 CFR 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		RCEandAmendment20181101.pdf	1152803 884f82407598d7b48aa0d701448e98f41554532d	yes	15
	Multipart Description/PDF files in .zip description				
	Document Description		**Start**	**End**	
	Amendment Submitted/Entered with Filing of CPA/RCE		5	15	
	Request for Continued Examination (RCE)		3	4	
	Miscellaneous Incoming Letter		1	2	
Warnings:					
Information:					
2	Extension of Time	Extension20181101.pdf	123804 d3c776f7a71e794fc9fc3b99c069554f8a2342ca	no	1
Warnings:					
Information:					
3	Fee Worksheet (SB06)	fee-info.pdf	32664 212e1f8cbcf0c2bc02ba77372454119060a1f7ee	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	1309271		

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

Attorney Docket No. **0837RF-12-139**

In Re Application of:	§	Examiner: **MAWARI, REDHAWN K.**
WILLIAM D. GIRARD	§	
Serial No: **13/951,900**	§	Art Unit: **3665**
Filed: **26 JULY 2013**	§	
For: **AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA**	§	Confirmation No. **5290**

AMENDMENT UNDER 37 C.F.R. § 1.114

Filed via EFS-Web
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This Amendment Under 37 C.F.R. § 1.114 is in response to the Final Office Action dated 1 June 2018, which provides for a three-month response period ending 1 September 2018. Filed herewith is a Request for Continued Examination, along with a Request for a Two-Month Extension of Time.

Please enter the following amendments and consider the following remarks.

CERTIFICATE OF TRANSMISSION UNDER 37 C.F.R. § 1.8(a)(1)(i)(C)
Date of Transmission: 11/1/18
I hereby certify that this correspondence is being transmitted to the U.S. Patent and Trademark Office (USPTO) via the USPTO electronic filing system (EFS-Web) on the date shown above.
By: James E. Walton James E. Walton

IN THE CLAIMS:

The following is a complete listing of the claims and replaces all prior versions and listings of claims in the subject application. Please amend the claims as follows:

1. **(Currently Amended)** An aircraft, comprising:

a sensor configured to sense flight performance of the aircraft during flight;

an avionics system associated with the sensor, the avionics system comprising:

a memory card interface;

a database in data communication with the sensor and the avionics system, the database being configured to store information relating to a pilot flying the aircraft during flight and the flight performance of the aircraft during flight;

a wireless transmitter having memory, the wireless transmitter in data communication with the avionics system and the database, the wireless transmitter comprising a non-volatile memory card coupled to the memory card interface of the avionics system; and

a transceiver comprising an input device[[;]] , the transceiver having a transceiver identity associated with pilot identification information, the transceiver being configured for receiving information relating to sensed flight performance from the wireless transmitter, for associating the thus received information with the pilot identification information associated with the transceiver identity, and for transmitting the received information with the thus associated pilot identification information to the database;

wherein the transceiver is a wireless transceiver in data communication with the wireless transmitter;

wherein the wireless transceiver is configured to wirelessly receive and transmit aircraft flight performance data to the database;

wherein the stored sensed flight performance is only accessible with the associated pilot identification information;

wherein the avionics system is configured to monitor aircraft flight performance data from the sensor; and

wherein the pilot identification information is entered directly into the input device of the transceiver.

2. **(Cancelled).**

3. **(Previously Presented)** The aircraft of claim 1, wherein the transceiver is portable.

4. **(Previously Presented)** The aircraft of claim 3, wherein the transceiver is a smartphone.

5. **(Cancelled).**

6. **(Previously Presented)** The aircraft of claim 1, wherein the transceiver is configured to upload data to the avionics system via the wireless transmitter.

7. **(Original)** The aircraft of claim 6, wherein the uploaded data is a flight planning data.

8. **(Original)** The aircraft of claim 2, wherein the wireless transmitter removably attaches to the wireless transceiver.

9. **(Currently Amended)** The aircraft of claim 1, wherein the wireless transmitter removably attaches to the avionics system, the non-volatile memory card being an SD card.

10. **(Previously Presented)** The aircraft of claim 1, wherein the transceiver is configured to receive and store aircraft flight performance data.

11. **(Currently Amended)** An aircraft flight performance monitoring system, comprising:

a wireless transmitter having memory, the wireless transmitter in data communication with an avionics system of an aircraft, the avionics system comprising a memory card interface and the wireless transmitter comprising a non-volatile memory card coupled to the memory card interface of the avionics system;

a database in data communication with the avionics system, the database being configured to store information relating to a pilot flying the aircraft during flight and flight performance of the aircraft during flight;

a transceiver comprising an input device; the transceiver having a transceiver identity associated with pilot identification information, the transceiver being configured for receiving information relating to sensed flight performance from the wireless transmitter, for associating the thus received information with the pilot identification information associated with the transceiver identity, and for transmitting the received information with the thus associated pilot identification information to the database;

wherein the stored sensed flight performance is only accessible with the associated pilot identification information;

wherein the wireless transmitter is configured to receive and transmit flight performance data from the avionics system to the transceiver, which in turn is transmitted to the database; and

wherein the pilot identification information is entered directly into the input device of the transceiver.

12. **(Previously Presented)** The system of claim 11, wherein the wireless transmitter removably attaches to the avionics system.

13. **(Previously Presented)** The system of claim 12, wherein the transceiver is configured to wirelessly receive information from the wireless transmitter.

14. **(Previously Presented)** The system of claim 11, wherein the transceiver is a smartphone.

15. **(Cancelled).**

16. **(Cancelled).**

17. **(Currently Amended)** A method to monitor aircraft flight performance data, comprising:

providing an avionics system comprising:

a sensor for sensing flight performance data; and

a memory card interface;

sensing flight performance data with [[a]] the sensor;

providing a wireless transmitter comprising:

memory; and

a non-volatile memory card configured for coupling to the memory card interface of the avionics system;

transmitting~~, by a wireless transmitter having memory,~~ the sensed flight performance data to a transceiver having a transceiver identity associated with pilot identification information;

entering the pilot identification information directly on the transceiver;

associating, by the transceiver, the sensed flight performance data received from the wireless transmitter with the pilot identification information associated with the transceiver identity;

transmitting, by the transceiver, the received sensed flight performance data with the associated pilot identification information to a database; and

allowing access to the received sensed flight performance data only with the associated pilot identification information.

18. **(Previously Presented)** The method of claim 17, wherein the transmitting by the transceiver of the associated sensed flight performance data and pilot identification information includes wirelessly transmitting the associated sensed flight performance data and pilot identification information to the database.

19. **(Cancelled).**

20. **(Previously Presented)** The method of claim 18, further comprising: removably attaching the wireless transmitter to the transceiver.

21. **(New)** The method of claim 17, wherein the non-volatile memory card is an SD card.

REMARKS:

Claims 1, 3, 4, 6-14, 17, 18, and 20 are currently pending in the present application. New Claim 21 is hereby added.

Claims 1, 3, 4, 17, and 19 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels (US 2012/0053777) in view of Shavit (US 2011/0241902), Wright (U.S. Patent No. 6,148,179), Gur (U.S. Patent Publication No. 2007/0236366), and further in view of Torres (US 2013/0141572) **(5 References)**.

Claims 6 and 7 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Shavit, Wright '179, Gur, Torres, and further in view of Hedrick (US 2012/0265372) **(6 References)**.

Claims 8 and 9 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Shavit, Wright '179, Gur, Torres, and further in view of Starkey (US 2012/0265372) **(6 References)**.

Claims 10 and 18 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Shavit, Wright '179, Wright (US 6,167,239), and Gur **(5 References)**.

Claim 11 stands rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Shavit, in view of Durand (US 2010/0105329), and further in view of Wright '179, and Gur **(5 References)**.

Claims 12 and 13 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Shavit, Wright '179, Gur, Durand, and further in view of Starkey **(6 References)**.

Claims 14 and 16 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Shavit, Wright '179, Gur, Durand, and further in view of Torres **(6 References)**.

Claim 20 stands rejected under 35 U.S.C. § 103(a) as being unpatentable over Meisels in view of Shavit, Wright '179, Torres, and further in view of Starkey **(5 References)**.

No claim has been rejected on less than 5 references. Nowhere has the Examiner shown a motivation to combine the disclosures of five or more references to arrive at the claimed invention. The Applicants submit that this tactic by the Examiner is not proper. If it were proper to reject claims by merely combining references that include one or two elements without any motivation to combine them, then no patent would ever issue, as all new inventions must be made from existing elements. Obviousness rejections require more than a mere recitation of elements.

Claims 1, 9, 11, and 17 are hereby amended to clarify that the avionics system comprises a memory card interface and that the transmitter has memory and non-volatile memory card.

The Applicants submit that none of the cited references include a teaching of, suggestion of, or motivation to combine, either alone or in combination, a system and/or a method for monitoring an aircraft, having an avionics system comprising a memory card interface, a transmitter having memory and non-volatile memory card, and a transceiver that has a transceiver ID that is associated with a pilot ID and entered into the transceiver; and none of the cited references include a teaching of, suggestion of, or motivation to combine, either alone or in combination, a transceiver that associates such an ID with received flight performance data and then relays such associated information to a database that only allows access to the information based upon providing the corresponding pilot's ID.

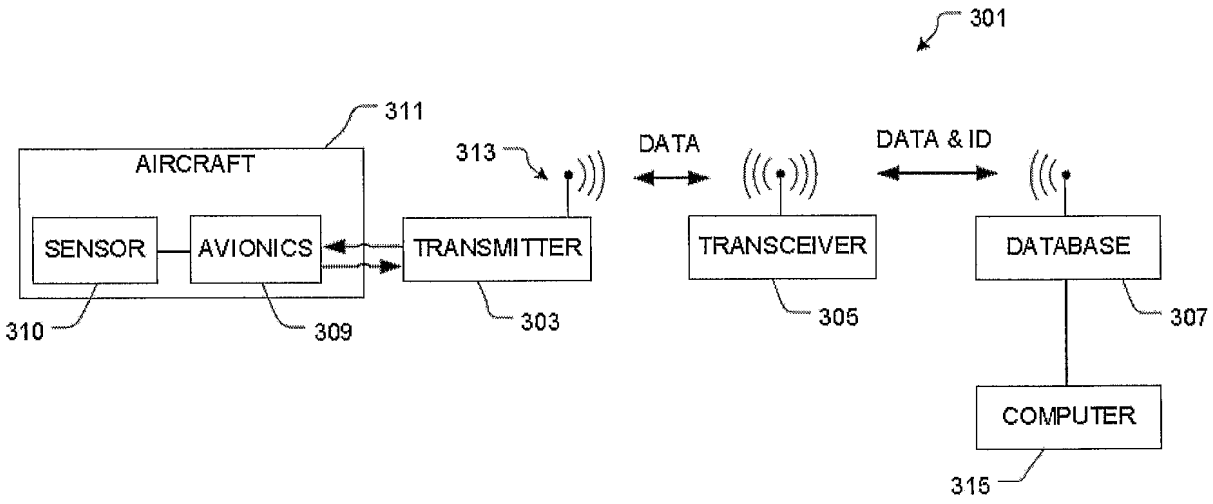

FIG. 3

The Applicants submit that Figure 3 illustrates a main difference between the claimed system and method and the combination of Meisels, Shavit, Wright, and all of the other cited references. Specifically, the claimed system and method enters the pilot identification to the transceiver, and that the data from the transmitter to the transceiver does not have the ID information embedded.

Meisels, in view of Shavit and Wright, as suggested by the Examiner, records the pilot's face and voice and then transmits that information directly from the transmitter. As such, none of the cited references, whether considered separately or in the proposed combinations, discloses or suggests all of the limitations of the claimed invention.

In view of the foregoing amendments and remarks, the Applicants submit that Claims 1, 3, 4, 6-14, 17, 18, and 20, as hereby amended, and new Claim 21, are now in condition for allowance, and respectfully request that the rejections of Claims 1, 3, 4, 6-14, 17, 18, and 20, under §103(a) be reconsidered and withdrawn.

Distinctions, Other Than Those Discussed, May Exist:

It should be noted that the Applicant has merely discussed example distinctions from the references cited by the Examiner. Other distinctions may exist and Applicant reserves the right to discuss these additional distinctions in a future Response or on Appeal.

CONCLUSION:

The Applicants submit that the subject application is now considered to be in condition for allowance, and an early reconsideration and issuance of a Notice of Allowance are earnestly solicited. The Examiner is invited to contact the undersigned at (817) 447-9955 with any questions, comments, or suggestions relating to the referenced patent application.

This Amendment Under 37 C.F.R. § 1.114 is being filed via the U.S. Patent and Trademark Office's EFS-Web electronic filing system. The filing fee for the Request for Examination and the Extension Fee are being paid by a designated credit card via the EFS-Web system. No other fees are deemed to be necessary; however, the Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayments, to **Deposit Account No. 502806**.

Respectfully submitted,

11/1/18
Date

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ATTORNEY FOR APPLICANTS

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

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 13/951,900	Filing Date 07/26/2013	☐ 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	11/01/2018	(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))	* 16	Minus	** 20	= 0	X $100 =	0
	Independent (37 CFR 1.16(h))	* 3	Minus	***3	= 0	X $460 =	0
	☐ Application Size Fee (37 CFR 1.16(s))						
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
						TOTAL ADD'L FEE	0

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

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

LIE
SHARON HARRIS

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**
If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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

38441 7590 12/18/2018

LAW OFFICES OF JAMES E. WALTON, PLLC
1169 N. BURLESON BLVD.
SUITE 107-328
BURLESON, TX 76028

EXAMINER
MAWARI, REDHWAN K

ART UNIT	PAPER NUMBER
3665	

DATE MAILED: 12/18/2018

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/951,900	07/26/2013	William D. Girard	0837RF-12-139	5290

TITLE OF INVENTION: AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	$1000	$0.00	$0.00	$1000	03/18/2019

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)

38441 7590 12/18/2018

LAW OFFICES OF JAMES E. WALTON, PLLC
1169 N. BURLESON BLVD.
SUITE 107-328
BURLESON, TX 76028

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.
13/951,900	07/26/2013	William D. Girard	0837RF-12-139	5290

TITLE OF INVENTION: AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	$1000	$0.00	$0.00	$1000	03/18/2019

EXAMINER	ART UNIT	CLASS-SUBCLASS
MAWARI, REDHWAN K	3665	701-003000

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
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Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/951,900	07/26/2013	William D. Girard	0837RF-12-139	5290

38441 7590 12/18/2018

LAW OFFICES OF JAMES E. WALTON, PLLC
1169 N. BURLESON BLVD.
SUITE 107-328
BURLESON, TX 76028

EXAMINER	
MAWARI, REDHWAN K	
ART UNIT	**PAPER NUMBER**
3665	

DATE MAILED: 12/18/2018

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. 13/951,900	Applicant(s) Girard et al.	
	Examiner REDHWAN K MAWARI	Art Unit 3665	AIA Status Yes

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

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

1. ☑ This communication is responsive to 11/01/2018.
   ☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

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

3. ☑ The allowed claim(s) is/are See Continuation Sheet . 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 _____.

/REDHWAN K MAWARI/
Primary Examiner, Art Unit 3665

Continuation of 3. The allowed claim(s) is/are: 1,3-4,6-14,17-18 and 20-21

Notice of References Cited	Application/Control No. 13/951,900	Applicant(s)/Patent Under Reexamination Girard et al.	
	Examiner REDHWAN K MAWARI	Art Unit 3665	Page 1 of 2

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-20150032296-A1	01-2015	Girard; William D.	G07C5/008	701/3
*	B	US-20100105329-A1	04-2010	DURAND; Frederic	G06F1/1632	455/41.2
*	C	US-20080228330-A1	09-2008	Srinivasan; Thiru	G01C23/00	701/3
*	D	US-20070264953-A1	11-2007	Srinivasan; Thiru	H04L67/06	455/186.1
*	E	US-20120265372-A1	10-2012	Hedrick; Geoffrey S.M.	H04L67/36	701/3
*	F	US-7769501-B2	08-2010	Lusardi; Robert Allen	G01C23/00	340/945
*	G	US-7755890-B2	07-2010	Rui; Fernandes	B64D43/00	348/837
*	H	US-20110313645-A1	12-2011	Shukla; Vijay	G08G5/065	701/120
*	I	US-20050026609-A1	02-2005	Brinkley, Roger R.	G06F8/61	455/431
*	J	US-6408259-B1	06-2002	Goebel; Kai Frank	B64D43/00	701/100
*	K	US-20120053777-A1	03-2012	Meisels; David Benjamin	G07C5/006	701/29.1
*	L	US-20130141572-A1	06-2013	Torres; Alex Laton	H04N7/185	348/143
*	M	US-20020140574-A1	10-2002	Starkey, Gene Raymond	B60C23/0413	340/870.16

FOREIGN PATENT DOCUMENTS

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

NON-PATENT DOCUMENTS

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

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

Notice of References Cited	Application/Control No. 13/951,900	Applicant(s)/Patent Under Reexamination Girard et al.	
	Examiner REDHWAN K MAWARI	Art Unit 3665	Page 2 of 2

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-20020131730-A1	09-2002	Keeble, Daniel John	G02B6/4201	385/92
*	B	US-20040148088-A1	07-2004	Davis, Brian J.	G07C5/008	701/123
*	C	US-8280741-B2	10-2012	Colin; Michel	G08G5/0013	704/231
*	D	US-20090220929-A1	09-2009	Daniel; Warren C.	G09B9/00	434/362
*	E	US-20110241902-A1	10-2011	Shavit; Tsachi C.	G08G5/0026	340/978
*	F	US-6148179-A	11-2000	Wright; Thomas H.	G08G5/0013	340/531
*	G	US-20070236366-A1	10-2007	Gur; Joshua	G06K9/00	340/945
	H					
	I					
	J					
	K					
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FOREIGN PATENT DOCUMENTS

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

NON-PATENT DOCUMENTS

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

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	13/951,900	Girard et al.
	Examiner	**Art Unit**
	REDHWAN K MAWARI	3665

CPC							
Symbol						**Type**	**Version**
G07C	/	5	/	008		F	2013-01-01

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

NONE		**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	16	
/REDHWAN K MAWARI/ Primary Examiner, Art Unit 3665	26 November 2018	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	3

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	13/951,900	Girard et al.
	Examiner	**Art Unit**
	REDHWAN K MAWARI	3665

INTERNATIONAL CLASSIFICATION				
CLAIMED				
G07C	/	5	/	00

NON-CLAIMED				
	/		/	

US ORIGINAL CLASSIFICATION	
CLASS	**SUBCLASS**

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

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	16	
/REDHWAN K MAWARI/ Primary Examiner, Art Unit 3665	26 November 2018	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	3

U.S. Patent and Trademark Office — Part of Paper No.: 20181126

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	13/951,900	Girard et al.
	Examiner	Art Unit
	REDHWAN K MAWARI	3665

☐ 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	8	10		19										
	2	9	11	15	20										
2	3	10	12	16	21										
3	4	11	13												
	5	12	14												
4	6		15												
5	7		16												
6	8	13	17												
7	9	14	18												

NONE		**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	16	
/REDHWAN K MAWARI/ Primary Examiner, Art Unit 3665	26 November 2018	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	3

U.S. Patent and Trademark Office Part of Paper No.: 20181126

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	13/951,900	Girard et al.
	Examiner	Art Unit
	REDHWAN K MAWARI	3665

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

CLAIMS

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

CLAIM		DATE								
Final	Original	06/01/2015	09/28/2015	08/18/2016	11/26/2018					
	1	✓	✓	✓	=					
	2	✓	✓	-	-					
	3	✓	✓	✓	=					
	4	✓	✓	✓	=					
	5	✓	-	-	-					
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	18	✓	✓	✓	=					
	19	✓	✓	-	-					
	20	✓	✓	✓	=					
	21				=					

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	13/951,900	Girard et al.
	Examiner	Art Unit
	REDHWAN K MAWARI	3665

CPC - Searched*		
Symbol	Date	Examiner
H04L67/12 OR H04L67/06 OR H04L29/08558 OR H04L67/14 OR H04L67/18 OR H04L67/325	6/1/2015	R.M

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner
701	3,14,120,10,100,123,2,29.1	6/1/2015	R.M

* 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
see east search	6/1/2015	R.M

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner
H04B7	18506	11/26/2018	R.M

/REDHWAN K MAWARI/ Primary Examiner, Art Unit 3665	/REDHWAN K MAWARI/ Primary Examiner, Art Unit 3665

Bibliographic Data

Application No: 13/951,900

Foreign Priority claimed: ○ Yes ◉ No

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

Verified and Acknowledged: /REDHWAN K MAWARI/ Examiner's Signature | Initials

Title: AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA

FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
07/26/2013	701	3665	0837RF-12-139
RULE			

APPLICANTS

BELL HELICOPTER TEXTRON INC., Fort Worth, TX, UNITED STATES

INVENTORS

William D. Girard Euless, TX, UNITED STATES

Brian E. Tucker Fort Worth, TX, UNITED STATES

CONTINUING DATA

FOREIGN APPLICATIONS

IF REQUIRED, FOREIGN LICENSE GRANTED**

08/02/2013

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UNITED STATES

FILING FEE RECEIVED

$1,600

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	21	(US-20150032296-$ or US-20100105329-$ or US-20080228330-$ or US-20070264953-$ or US-20120265372-$ or US-20110313645-$ or US-20050026609-$ or US-20120053777-$ or US-20130141572-$ or US-20020140574-$ or US-20020131730-$ or US-20040148088-$ or US-20090220929-$ or US-20110241902-$ or US-20080092862-$).did. or (US-7769501-$ or US-7755890-$ or US-6408259-$ or US-8280741-$ or US-6148179-$).did. or (US-6167239-$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2018/11/26 08:44
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L3	726817	transceiver identity with pilot near3 identity and (set$3 or adjust$3 or chang$3 or mov$3) with upper near2 limit with actual and implement with position and vehicle and avionic and sensor and wireless and transmitter and receiver and flight and transmit$3 and database and monitor$3 with performance with sensor and transmit$4 with database	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/11/26 08:46
L4	0	transceiver identity with pilot near3 identity and (set$3 or adjust$3 or chang$3 or mov$3) with upper near2 limit with actual and implement with position and vehicle and avionic and sensor and wireless and transmitter and receiver and flight and transmit$3 and database and monitor$3 with performance with sensor and transmit$4 with database	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2018/11/26 08:47
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S4	3	"8364328".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 07:39
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S7	3	("20100105329").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 07:40
S8	2	("20110313645").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 07:44
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S14	3	("20050026609").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 08:56
S15	4	("2010/0105329").URPN.	USPAT	OR	OFF	2015/05/27 09:04
S16	4	("2010/0105329").URPN.	USPAT	OR	OFF	2015/05/27 09:04
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S20	20	monitor$3 with performance with sensor and transmit$4 with database and aircraft and (mobile or PDA or portable)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 09:39
S21	2	"12872283"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/27 14:09
S22	2413	air$craft and (smart$4 near2 phone)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/28 06:44
S23	4	air$craft and ((smart$4 near2 phone) same transmit$4 with performance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	OFF	2015/05/28 06:44

			DERWENT; IBM_TDB			
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S25	2	("20120265372").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/28 07:21
S26	0	("12717859").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/28 12:22
S27	32	monitor$3 with performance with sensor and transmit$4 with database and aircraft	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/28 13:59
S28	1	"13984410"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/28 21:51
S29	146	monitor$3 with performance with sensor and transmit$4 with database	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/29 05:32
S30	146	monitor$3 with performance with sensor and transmit$4 with database	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/29 07:52
S31	146	monitor$3 with performance with sensor and transmit$4 with database	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/29 09:57
S32	0	transmitter with removably with attached with trasceiver	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/31 13:39

S33	6	transmitter with removably with attached with transceiver	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/31 13:39
S34	28	transmitter with removably with transceiver	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/31 13:41
S35	0	transmitter with removabl$3 with attached with avionics	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/31 13:50
S36	0	transmitter with removabl$3 with attached with avionics	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/31 13:51
S37	2	transmitter with removabl$3 with avionics	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/31 13:51
S38	122	transceiver with stor$4 with performance near3 (data or information)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/31 13:56
S39	3	transmit$4 with pilot near5 identification with database	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/05/31 14:02
S40	18	(US-20150032296-$ or US-20100105329-$ or US-20080228330-$ or US-20070264953-$ or US-20110313645-$ or US-20050026609-$ or US-20120053777-$ or US-20130141572-$ or US-20120265372-$ or US-20020140574-$ or US-20020131730-$ or US-20040148088-$).did. or (US-8364328-$ or US-7769501-$ or US-7755890-$ or US-6408259-$ or US-8280741-$).did. or (US-6167239-$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2015/06/01 06:34
S41	35	(US-20150032296-$ or US-	US-PGPUB;	OR	OFF	2015/06/01

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S43	0	data$base same stor$3 with pilot$3 near4 fly$4 same performance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/09/28 08:29
S44	0	data$base same stor$3 with pilot$3 with fly$4 same performance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/09/28 08:30
S45	0	data$base same stor$3 same pilot$3 with fly$4 same performance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	OFF	2015/09/28 08:30

			DERWENT; IBM_TDB			
S46	5	data$base same stor$3 same pilot$3 same fly$4 same performance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/09/28 08:30
S47	9	data$base same stor$3 same pilot$3 same train$4 same performance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/09/28 08:30
S48	0	data$base same stor$3 same pilot$3 near5 information same train$4 same performance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/09/28 09:14
S49	4	data$base same stor$3 same pilot$3 near5 (performance or flying or data or information) same train$4 same performance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/09/28 09:15
S50	55	data$base same stor$3 same pilot$3 near5 (performance or flying or data or information) same performance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/09/28 09:17
S51	2	("20110241902").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/09/28 10:00
S52	0	transceiver with receiv$4 with flight near3 performance with pilot near3 information same prior near5 flight	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/02/08 11:39
S53	0	receiv$4 with flight near3 performance with pilot near3 information same prior near5 flight	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/02/08 11:39
S54	0	receiv$4 with flight with performance with pilot with information same prior near5 flight	US-PGPUB; USPAT; USOCR;	OR	OFF	2016/02/08 11:39

			FPRS; EPO; JPO; DERWENT; IBM_TDB			
S55	0	receiv$4 with flight with performance same pilot with information same prior near5 flight	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/02/08 11:40
S56	0	receiv$4 with flight with performance same pilot with information same prior with flight	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/02/08 11:40
S57	27	receiv$4 with flight with performance same pilot with information	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/02/08 11:40
S58	17	receiv$4 with flight with performance same pilot and (mobile or smart$phone)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/02/08 11:43
S59	90123	receiv$4 with flight with performance same (ground or (prior near2 (flight or take$off))) pilot and (mobile or smart$phone)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/02/08 11:45
S60	15	receiv$4 with flight with performance same (ground or (prior near2 (flight or take$off))) and pilot and (mobile or smart$phone)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/02/08 11:45
S61	294	associat$4 with pilot with performance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/02/08 11:59
S62	26	associat$4 with pilot with flight near5 performance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2016/02/08 11:59
S63	2	("20110241902").PN.	US-PGPUB;	OR	OFF	2016/02/08

			USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			13:02
S64	1	"13951900"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/01 08:08
S66	0	transceiver near4 identity with pilot near3 identity	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/01 08:32
S67	0	transceiver near4 identity with pilot near3 identit$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/01 08:32
S68	0	transceiver near4 identit$3 with pilot near3 identit$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/01 08:32
S69	14	transmitter near4 identit$3 with pilot near3 identit$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/02/01 08:32
S70	6	"5011216".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/07/31 07:05
S71	2	("2013253815").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/07/31 07:19
S72	2	("20130253815").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	OFF	2017/07/31 07:20

			IBM_TDB			
S73	2476	(set$3 or adjust$3 or chang$3 or mov$3) with upper near2 limit with actual	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/08/01 13:30
S74	37	(set$3 or adjust$3 or chang$3 or mov$3) with upper near2 limit with actual and lift near3 control	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/08/01 13:30
S75	314	(set$3 or adjust$3 or chang$3 or mov$3) with upper near2 limit with actual and implement	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/08/01 13:32
S76	19	(set$3 or adjust$3 or chang$3 or mov$3) with upper near2 limit with actual and implement and ((construction near3 vehicle) or (ground near3 vehicle))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/08/01 13:34
S77	114	(set$3 or adjust$3 or chang$3 or mov$3) with upper near2 limit with actual and implement and vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/08/01 13:37
S78	3	(set$3 or adjust$3 or chang$3 or mov$3) with upper near2 limit with actual and lift same implement and vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/08/01 13:37
S79	8	(set$3 or adjust$3 or chang$3 or mov$3) with upper near2 limit with actual and implement with position and vehicle	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/08/01 13:39
S80	1	"14814515"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/08/02 05:20
S81	669103	transceiver identity with pilot near3 identity	US-PGPUB; USPAT; USOCR; FPRS;	OR	ON	2017/08/02 06:30

			EPO; JPO; DERWENT; IBM_TDB			
S82	2	("20070236366").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2017/10/31 06:46
S83	2	("20070236366").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/05/29 13:26

EAST Search History (Interference)

< This search history is empty>

11/ 26/ 2018 9:03:43 AM
C:\ Users\ rmawari\ Documents\ EAST\ Workspaces\ 13951900.wsp

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/951,900	07/26/2013	William D. Girard	0837RF-12-139	5290

38441 7590 01/17/2019

LAW OFFICES OF JAMES E. WALTON, PLLC
1169 N. BURLESON BLVD.
SUITE 107-328
BURLESON, TX 76028

EXAMINER	
MAWARI, REDHWAN K	

ART UNIT	PAPER NUMBER
3665	

NOTIFICATION DATE	DELIVERY MODE
01/17/2019	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):

jim@waltonpllc.com

supplemental ***Notice of Allowability***	**Application No.** 13/951,900	**Applicant(s)** Girard et al.	
	Examiner REDHWAN K MAWARI	**Art Unit** 3665	**AIA Status** Yes

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

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

1. ☑ This communication is responsive to 01/10/2019.
   ☐ 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 See Continuation Sheet . 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 _____.

/REDHWAN K MAWARI/
Primary Examiner, Art Unit 3665

Continuation of 3. The allowed claim(s) is/are: 1,3-4,6-14,17-18 and 20-21

Notice of Pre-AIA or AIA Status

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

DETAILED ACTION

EXAMINER'S AMENDMENT

In claim 8, line 1, the phrase "The aircraft of claim 2" is deleted; same line, insert "The aircraft of claim 1". Basically, change the dependency of claim 8 to depend on claim 1 instead of claim 2 since claim has been canceled.

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".

Claims 1, 3-4, 6-14, 17-18, 20 and 21 are allowed.

Claims 2, 5, 15, 16 and 19 are canceled.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to REDHWAN K MAWARI whose telephone number is (571)270-1535. The examiner can normally be reached on mon-Fri 8-5.

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, Kimberly Berona can be reached on 571-272-6909. 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.

/REDHWAN K MAWARI/
Primary Examiner, Art Unit 3665

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	13/951,900	Girard et al.
	Examiner	**Art Unit**
	REDHWAN K MAWARI	3665

CPC							
Symbol						**Type**	**Version**
G07C	/	5	/	008		F	2013-01-01

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

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	16	
/REDHWAN K MAWARI/ Primary Examiner, Art Unit 3665	14 January 2019	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	3

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	13/951,900	Girard et al.
	Examiner	**Art Unit**
	REDHWAN K MAWARI	3665

INTERNATIONAL CLASSIFICATION				
CLAIMED				
G07C	/	5	/	00

NON-CLAIMED				
	/		/	

US ORIGINAL CLASSIFICATION	
CLASS	**SUBCLASS**

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

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	16	
/REDHWAN K MAWARI/ Primary Examiner, Art Unit 3665	14 January 2019	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	3

U.S. Patent and Trademark Office — Part of Paper No.: 20190114

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	13/951,900	Girard et al.
	Examiner	Art Unit
	REDHWAN K MAWARI	3665

☐ 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	8	10		19										
	2	9	11	15	20										
2	3	10	12	16	21										
3	4	11	13												
	5	12	14												
4	6		15												
5	7		16												
6	8	13	17												
7	9	14	18												

NONE		**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	16	
/REDHWAN K MAWARI/ Primary Examiner, Art Unit 3665	14 January 2019	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	3

U.S. Patent and Trademark Office

Part of Paper No.: 20190114

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)

38441 7590 12/18/2018
LAW OFFICES OF JAMES E. WALTON, PLLC
1169 N. BURLESON BLVD.
SUITE 107-328
BURLESON, TX 76028

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.

James E. Walton	(Typed or printed name)
James E. Walton	(Signature)
18 March 2019	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/951,900	07/26/2013	William D. Girard	0837RF-12-139	5290

TITLE OF INVENTION: AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	$1000	$0.00	$0.00	$1000	03/18/2019

EXAMINER	ART UNIT	CLASS-SUBCLASS
MAWARI, REDHWAN K	3665	701-003000

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 James E. Walton
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)
Bell Helicopter Textron Inc.	Fort Worth, Texas

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. 502806

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 James E. Walton Date 18 March 2019

Typed or printed name James E. Walton Registration No. 47,245

Electronic Patent Application Fee Transmittal

Application Number:	13951900
Filing Date:	26-Jul-2013
Title of Invention:	AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA
First Named Inventor/Applicant Name:	William D. Girard
Filer:	James Edward Walton
Attorney Docket Number:	0837RF-12-139

Filed as Large 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	1501	1	1000	1000

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension-of-Time:				
Miscellaneous:				
			Total in USD ($)	**1000**

Electronic Acknowledgement Receipt

EFS ID:	35453510
Application Number:	13951900
International Application Number:	
Confirmation Number:	5290
Title of Invention:	AVIONICS SYSTEM ADAPTED FOR EMPLOYING SMARTPHONE TO INPUT-OUTPUT FLIGHT DATA
First Named Inventor/Applicant Name:	William D. Girard
Customer Number:	38441
Filer:	James Edward Walton
Filer Authorized By:	
Attorney Docket Number:	0837RF-12-139
Receipt Date:	18-MAR-2019
Filing Date:	26-JUL-2013
Time Stamp:	15:34:24
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	$1000
RAM confirmation Number	031919INTEFSW15354900
Deposit Account	502806
Authorized User	James Walton

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

37 CFR 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Issue Fee Payment (PTO-85B)	PTOL-85-20190318.pdf	242926 6f9a3318f18b2669ad20757740248a66df74e67c	no	1
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	30400 00b1322006c5df5b309ae3d653f2fbe79a29e6b9	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	273326		

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

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

APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/951,900	04/30/2019	10275950	0837RF-12-139	5290

38441 7590 04/10/2019

LAW OFFICES OF JAMES E. WALTON, PLLC
1169 N. BURLESON BLVD.
SUITE 107-328
BURLESON, TX 76028

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 202 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):

BELL HELICOPTER TEXTRON INC., Fort Worth, TX;
William D. Girard, Euless, TX;
Brian E. Tucker, Fort Worth, TX;

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.

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 Eastern District of Texas, Marshall Division on the following

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

DOCKET NO.	DATE FILED	U.S. DISTRICT COURT
2:22-cv-00351-RWS-RSP	9/9/2022	Eastern District of Texas, Marshall Division

PLAINTIFF	DEFENDANT
Textron Innovations Inc.	SZ DJI Technology Co., Ltd., DJI Europe B.V., SZ DJI Baiwang Technology Co. Ltd., and iFlight Technology Company Ltd.

	PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1	10,275,950	4/30/2019	Textron Innovations Inc.
2	8,332,082	12/11/2012	Textron Innovations Inc.
3	8,682,505	3/25/2014	Textron Innovations Inc.
4	11,288,972	3/29/2022	Textron Innovations Inc.
5			

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
1		
2		
3		
4		
5		

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