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

PTO/AIA/82A (07-13)
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NOTE: This form is to be submitted with the Power of Attorney by Applicant form (PTO/AIA/82B) to identify the application to which the Power of Attorney is directed, in accordance with 37 CFR 1.5, unless the application number and filing date are identified in the Power of Attorney by Applicant form. If neither form PTO/AIA/82A nor form PTO/AIA82B identifies the application to which the Power of Attorney is directed, the Power of Attorney will not be recognized in the application.

Application Number	Unknown
Filing Date	Herewith
First Named Inventor	Michael Robert Mensinger
Title	REMOTE MONITORING OF ANALYTE MEASUREMENTS
Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	DEXCOM.225C3

SIGNATURE of Applicant or Patent Practitioner

Signature	/Rose M. Thiessen/	Date (Optional)	
Name	Rose M. Thiessen	Registration Number	40202
Title (if Applicant is a juristic entity)			
Applicant Name (if Applicant is a juristic entity)			

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

☑ *Total of 1 forms are submitted.

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

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

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POWER OF ATTORNEY BY APPLICANT

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

Application Number	Filing Date

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

☑ I hereby appoint the Patent Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above: 68851

OR

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

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

☐ The address associated with the above-mentioned Customer Number

OR

☑ The address associated with Customer Number: 68851

OR

Firm or Individual Name					
Address					
City		State		Zip	
Country					
Telephone		Email			

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

DexCom, Inc.

☐ Inventor or Joint Inventor (title not required below)

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

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

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

SIGNATURE of Applicant for Patent

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

Signature	Laura Johnson	Date (Optional)	Oct 9, 2013
Name	Laura Johnson		
Title	Vice President of Intellectual Property		

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

☐ Total of forms are submitted.

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

Electronic Patent Application Fee Transmittal

Application Number:	
Filing Date:	
Title of Invention:	REMOTE MONITORING OF ANALYTE MEASUREMENTS
First Named Inventor/Applicant Name:	Michael Robert Mensinger
Filer:	Rose M. Thiessen/Edgar Compton
Attorney Docket Number:	DEXCOM.225C3

Filed as Large Entity

Filing Fees for Utility under 35 USC 111(a)

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:				
LATE FILING FEE FOR OATH OR DECLARATION	1051	1	140	140
Petition:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
		Total in USD ($)		**1740**

Electronic Acknowledgement Receipt

EFS ID:	29437788
Application Number:	15617977
International Application Number:	
Confirmation Number:	8138
Title of Invention:	REMOTE MONITORING OF ANALYTE MEASUREMENTS
First Named Inventor/Applicant Name:	Michael Robert Mensinger
Customer Number:	68851
Filer:	Rose M. Thiessen/Chelsea Burdeno
Filer Authorized By:	Rose M. Thiessen
Attorney Docket Number:	DEXCOM.225C3
Receipt Date:	08-JUN-2017
Filing Date:	
Time Stamp:	18:57:45
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	$1600
RAM confirmation Number	060917INTEFSW18581400
Deposit Account	
Authorized User	

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Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Drawings-only black and white line drawings	225C_DRAW.pdf	894705 9d96e7f0d6e07f2fc9654d3e3a8d9e6783660de5	no	23
Warnings:					
Information:					
2		225C3_SPEC.pdf	430179 392f96c02e58e516b43a4cf93d3b5cb1f18385bd	yes	105

Multipart Description/PDF files in .zip description

Document Description	Start	End
Specification	1	101
Claims	102	104
Abstract	105	105

Warnings:					
Information:					
3	Oath or Declaration filed	225C3_DECS.pdf	304400 9dcd01ba91291579b0f1ce799380e361068a7c14	no	4
Warnings:					
Information:					
4	Application Data Sheet	225C3_ADS.pdf	1823554 a9f6834983664c830c1140adf0718fce2953b6f8	no	10
Warnings:					
Information:					
5	Miscellaneous Incoming Letter	225C3_RETRACT.pdf	16504 4622a15add75f05680aa90e8cc2380ed455fa3e6	no	1

Warnings:					
Information:					
6	Power of Attorney	225C3_POA.pdf	605908 3c0f35a0bb9c0fa847f3a0ac379d9c123a039a80	no	2
Warnings:					
Information:					
7	Fee Worksheet (SB06)	fee-info.pdf	34941 62f0fa1654f75fefbebbb5b520a1b02cc3dde555e	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	4110191		

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

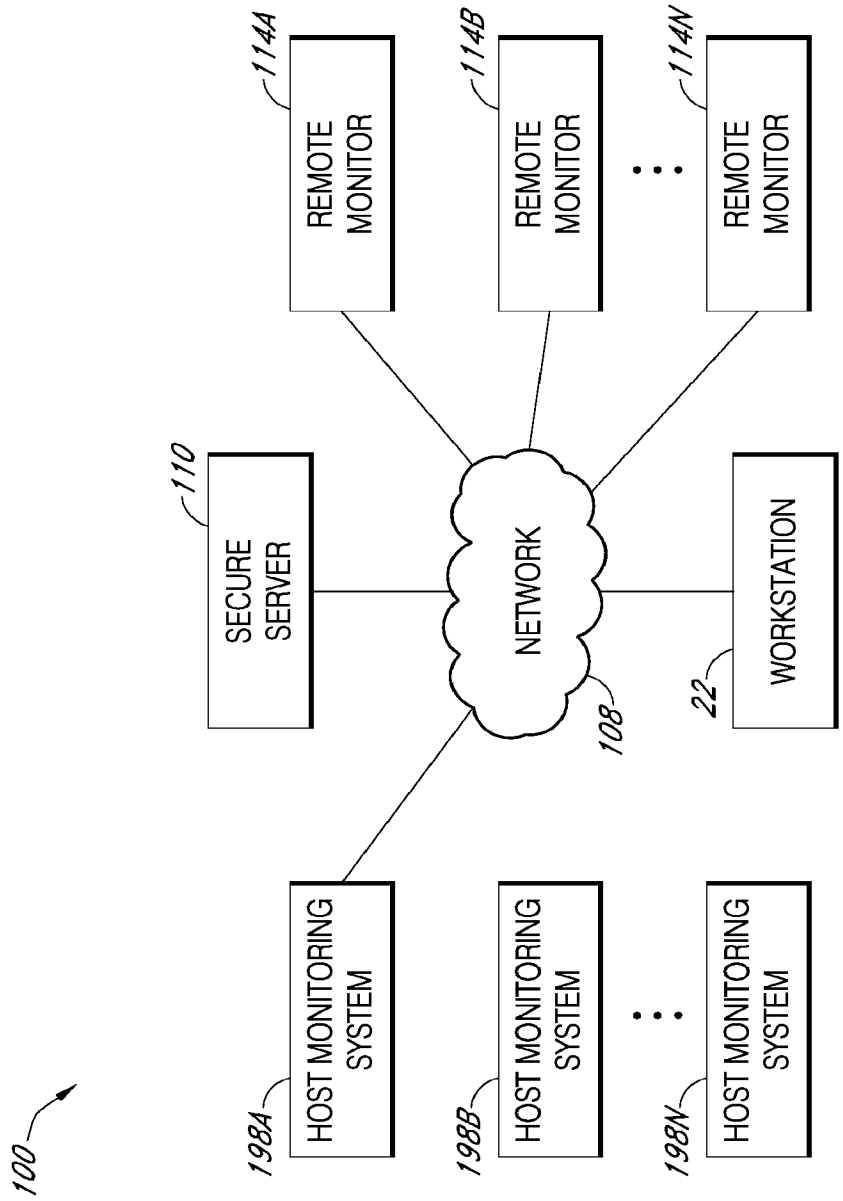

100
198A
HOST MONITORING SYSTEM
198B
HOST MONITORING SYSTEM
198N
HOST MONITORING SYSTEM
108
NETWORK
110
SECURE SERVER
22
WORKSTATION
114A
REMOTE MONITOR
114B
REMOTE MONITOR
114N
REMOTE MONITOR

FIG. 1

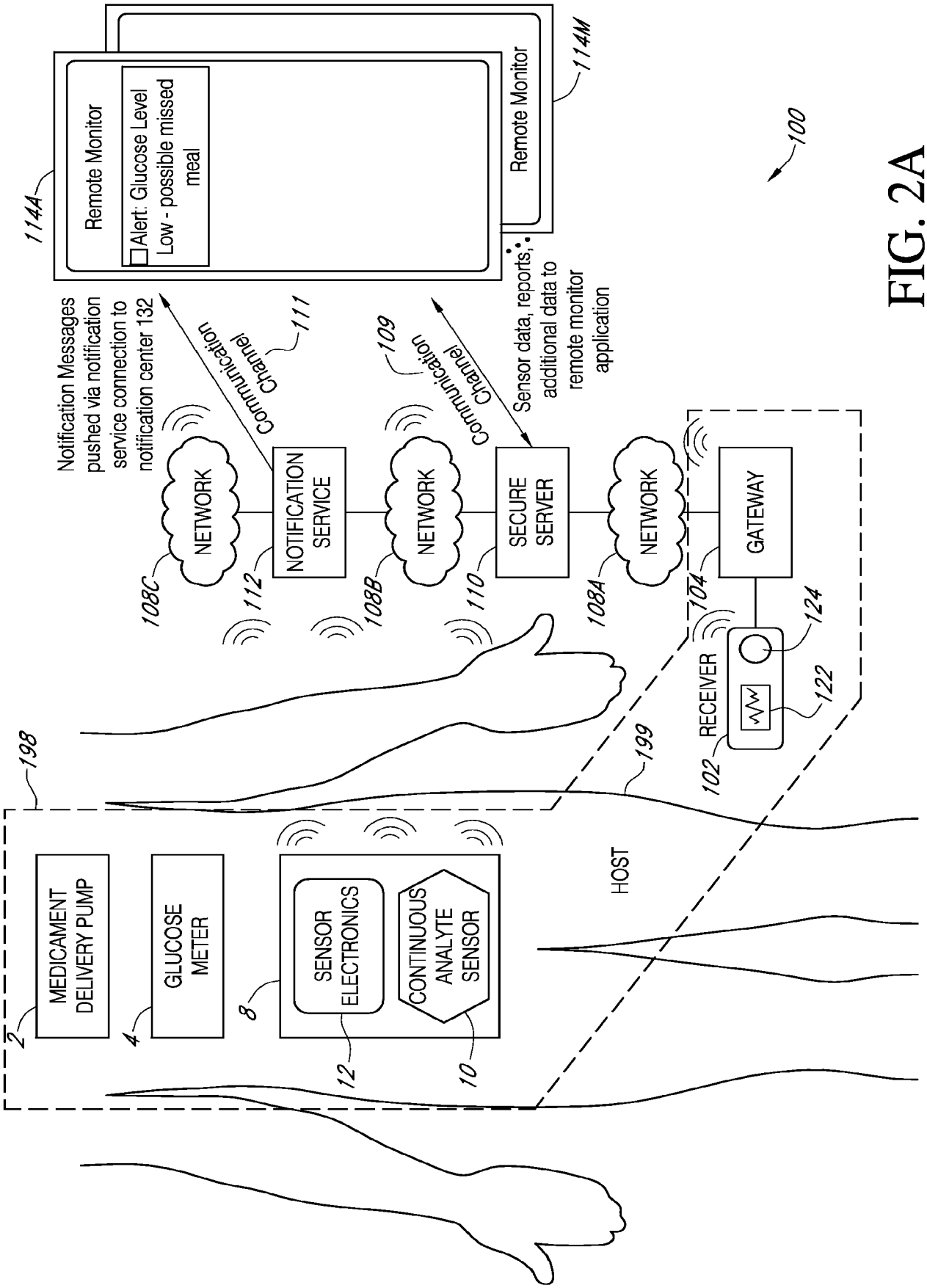

100
198
199
HOST
MEDICAMENT DELIVERY PUMP
2
GLUCOSE METER
4
SENSOR ELECTRONICS
8
12
CONTINUOUS ANALYTE SENSOR
10
RECEIVER
102
122
124
GATEWAY
104
NETWORK
108A
SECURE SERVER
110
NETWORK
108B
NOTIFICATION SERVICE
112
NETWORK
108C
Communication Channel
109
Communication Channel
111
Sensor data, reports, additional data to remote monitor application
Notification Messages pushed via notification service connection to notification center 132
Remote Monitor
114M
Remote Monitor
Alert: Glucose Level Low - possible missed meal
1144

FIG. 2A

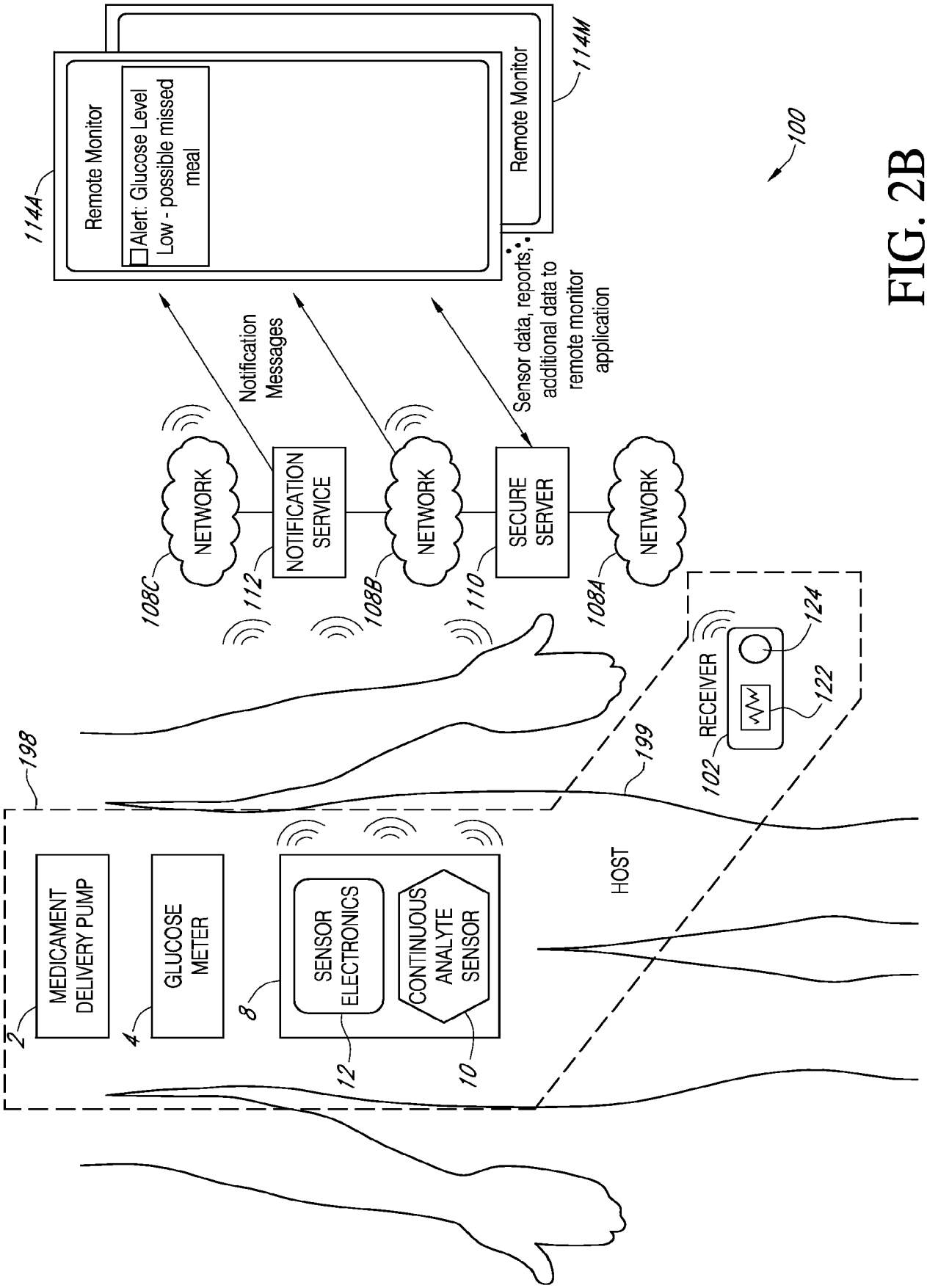

Remote Monitor
Alert: Glucose Level Low - possible missed meal
1144
Remote Monitor
114M
100
Notification Messages
Sensor data, reports, additional data to remote monitor application
NETWORK
108C
NOTIFICATION SERVICE
112
NETWORK
108B
SECURE SERVER
110
NETWORK
108A
198
199
RECEIVER
102
124
122
MEDICAMENT DELIVERY PUMP
2
GLUCOSE METER
4
SENSOR ELECTRONICS
8
12
CONTINUOUS ANALYTE SENSOR
10
HOST

FIG. 2B

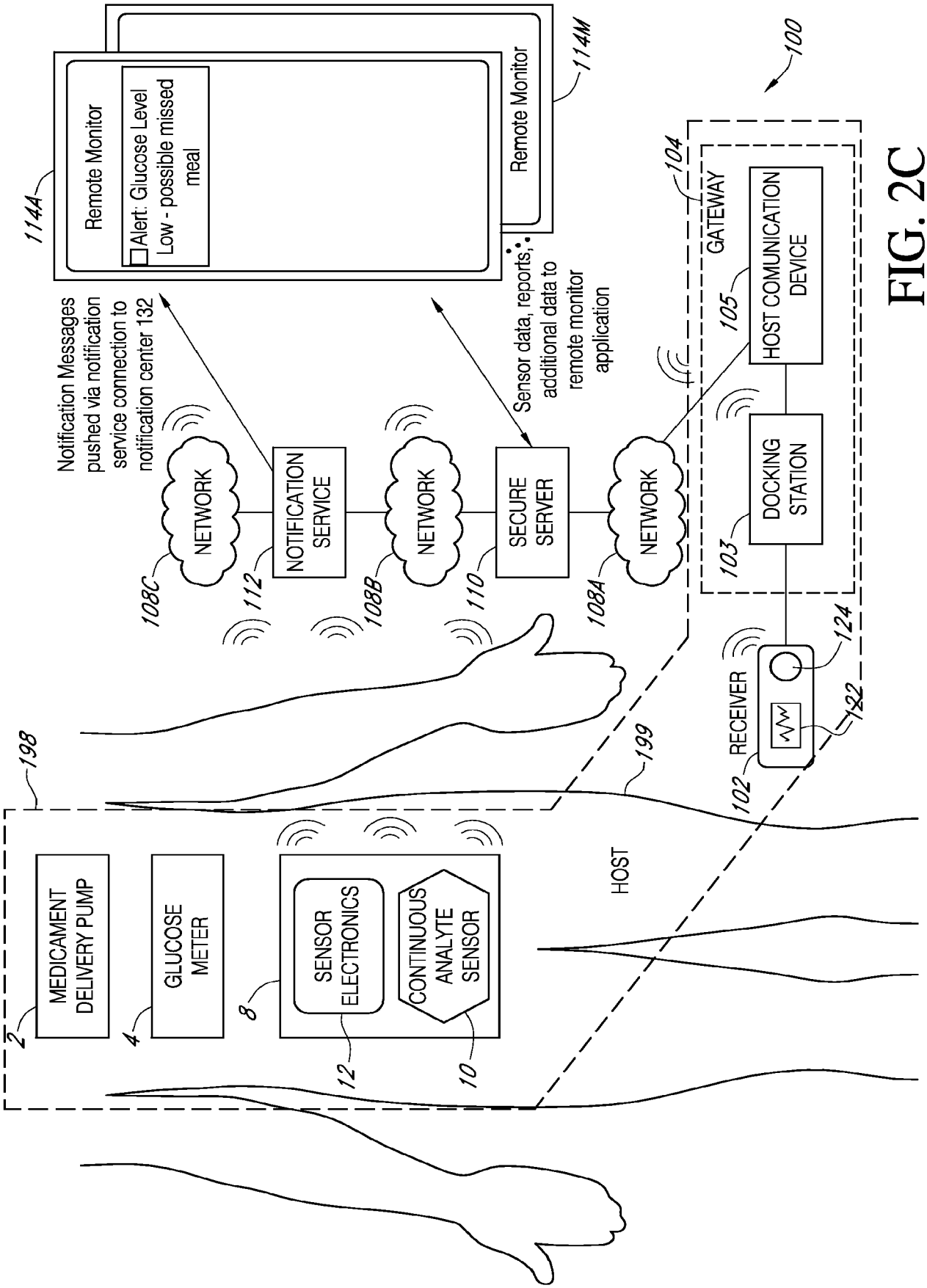

MEDICAMENT DELIVERY PUMP
2
GLUCOSE METER
4
SENSOR ELECTRONICS
8
12
CONTINUOUS ANALYTE SENSOR
10
198
HOST
199
RECEIVER
102
124
122
GATEWAY
104
HOST COMUNICATION DEVICE
105
DOCKING STATION
103
100
NETWORK
108A
SECURE SERVER
110
NETWORK
108B
NOTIFICATION SERVICE
112
NETWORK
108C
Notification Messages pushed via notification service connection to notification center 132
Sensor data, reports, additional data to remote monitor application
Remote Monitor
Alert: Glucose Level Low - possible missed meal
1144
Remote Monitor
114M

FIG. 2C

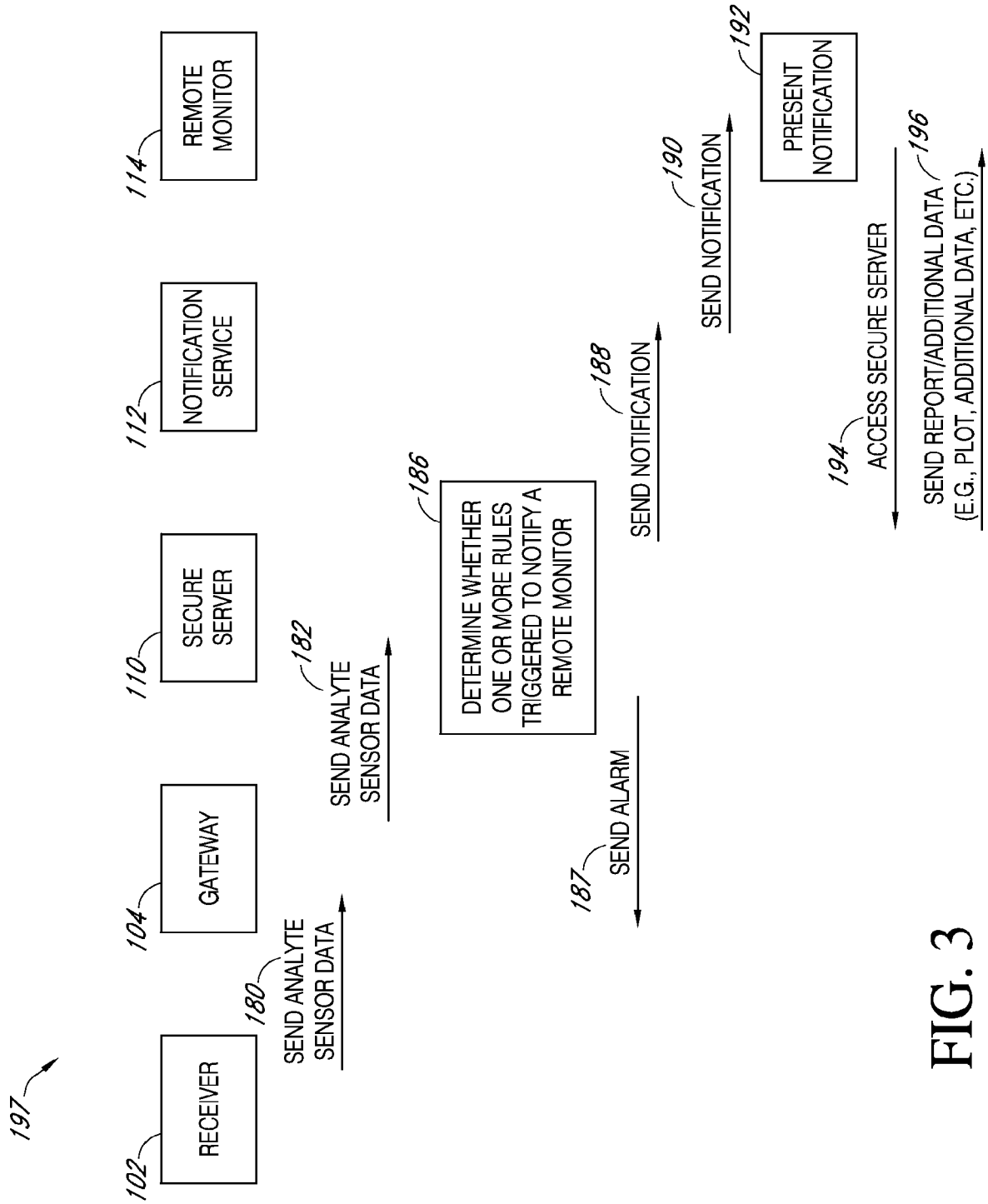

197
102
RECEIVER
104
GATEWAY
110
SECURE SERVER
112
NOTIFICATION SERVICE
114
REMOTE MONITOR
180
SEND ANALYTE SENSOR DATA
182
SEND ANALYTE SENSOR DATA
186
DETERMINE WHETHER ONE OR MORE RULES TRIGGERED TO NOTIFY A REMOTE MONITOR
187
SEND ALARM
188
SEND NOTIFICATION
190
SEND NOTIFICATION
192
PRESENT NOTIFICATION
194
ACCESS SECURE SERVER
196
SEND REPORT/ADDITIONAL DATA (E.G., PLOT, ADDITIONAL DATA, ETC.)

FIG. 3

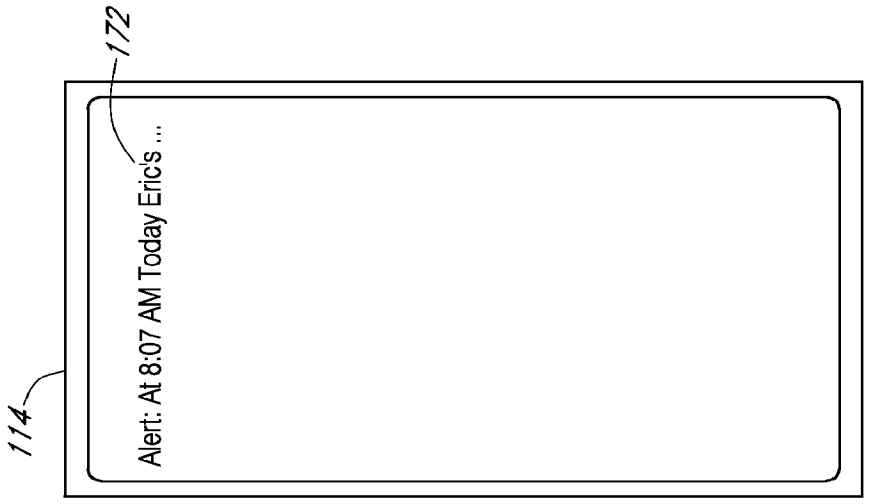

114
172
Alert: At 8:07 AM Today Eric's ...

FIG. 4B

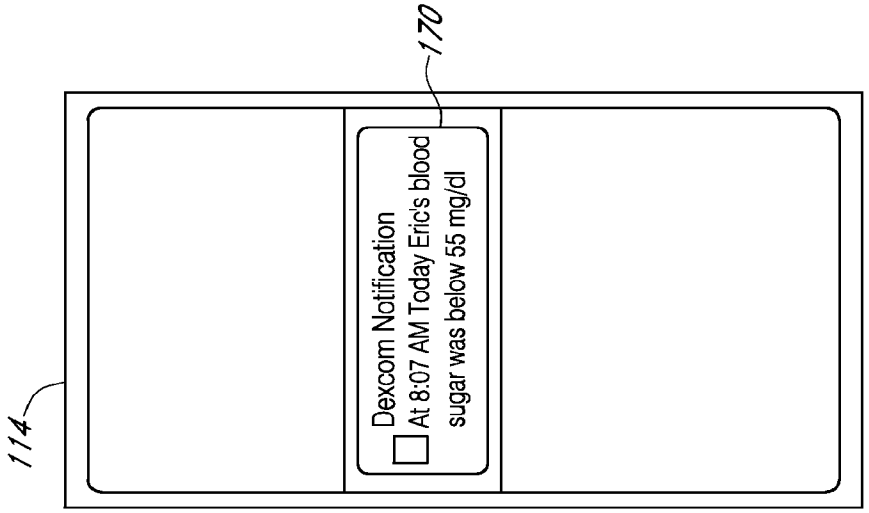

114
170
Dexcom Notification
At 8:07 AM Today Eric's blood sugar was below 55 mg/dl

FIG. 4A

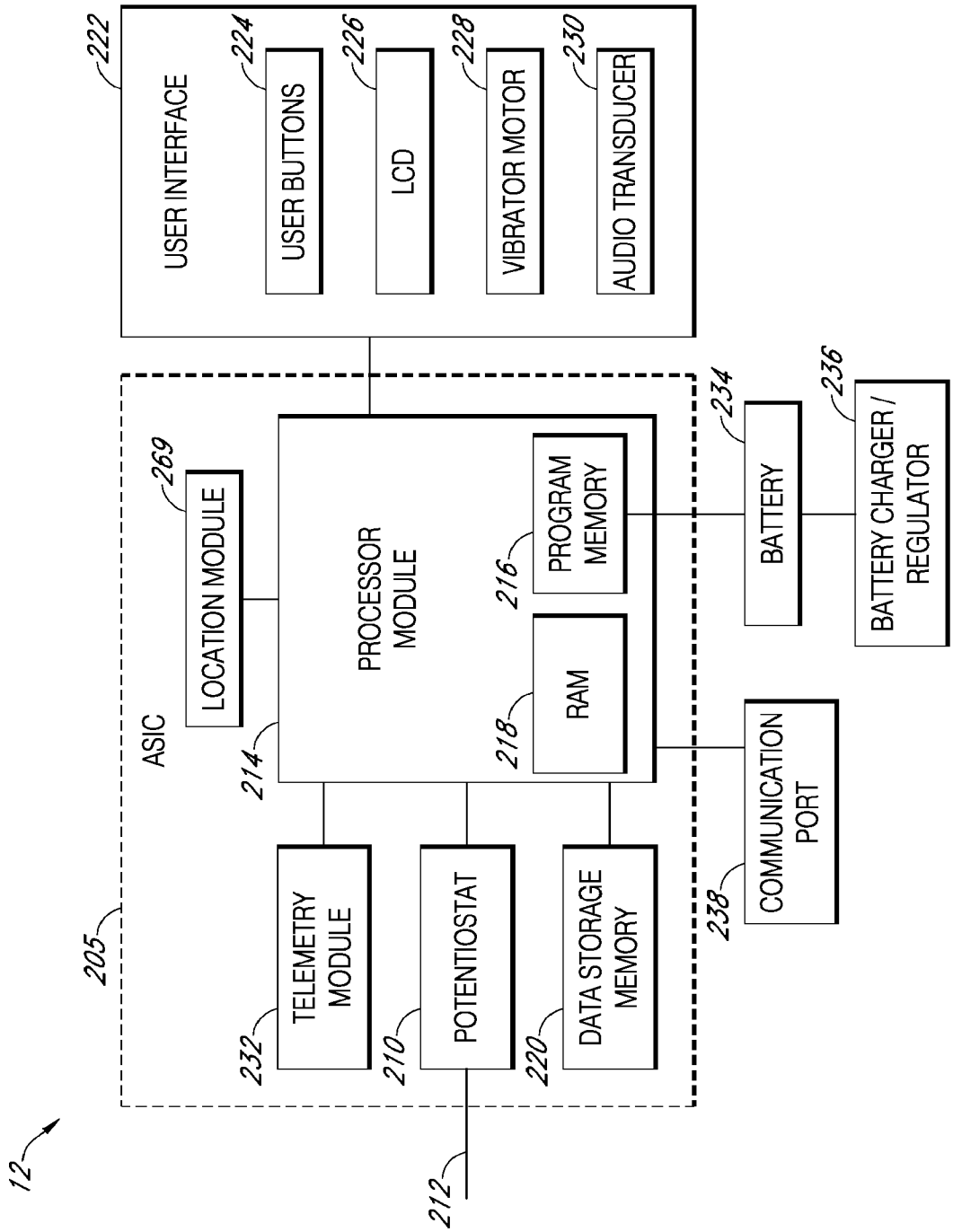

12
205
ASIC
222
USER INTERFACE
224
USER BUTTONS
226
LCD
228
VIBRATOR MOTOR
230
AUDIO TRANSDUCER
269
LOCATION MODULE
214
PROCESSOR MODULE
216
PROGRAM MEMORY
218
RAM
234
BATTERY
236
BATTERY CHARGER / REGULATOR
232
TELEMETRY MODULE
210
POTENTIOSTAT
220
DATA STORAGE MEMORY
238
COMMUNICATION PORT
212

FIG. 5

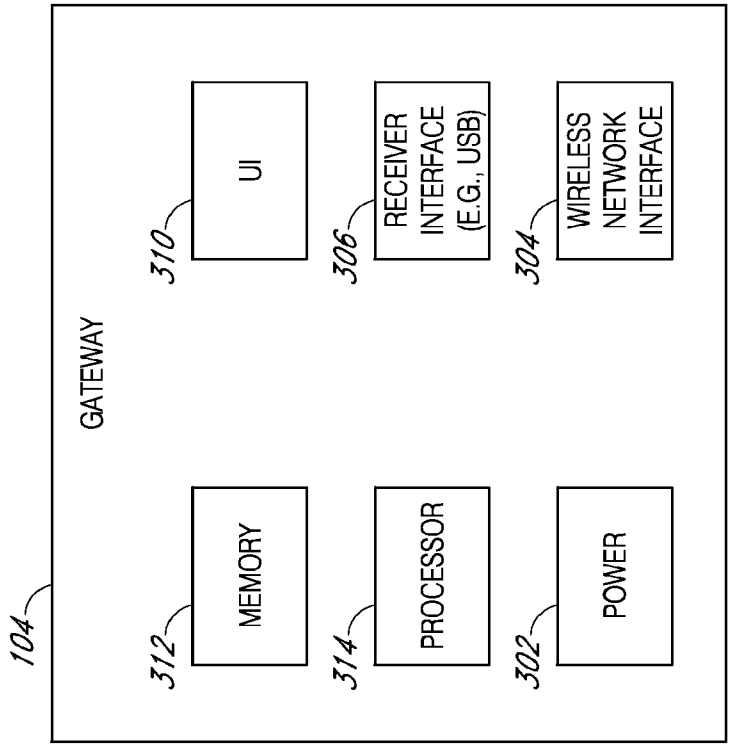

104
GATEWAY
312
MEMORY
314
PROCESSOR
302
POWER
310
UI
306
RECEIVER INTERFACE (E.G., USB)
304
WIRELESS NETWORK INTERFACE

FIG. 6

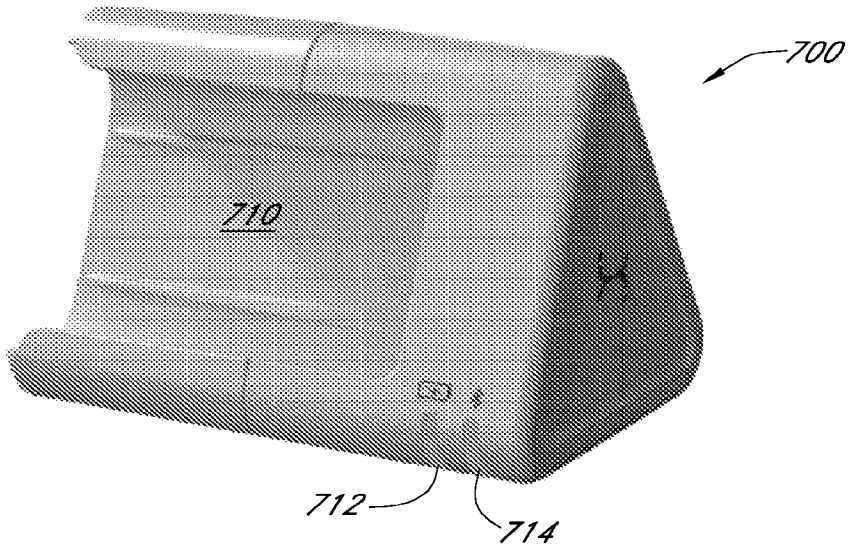


FIG. 7A

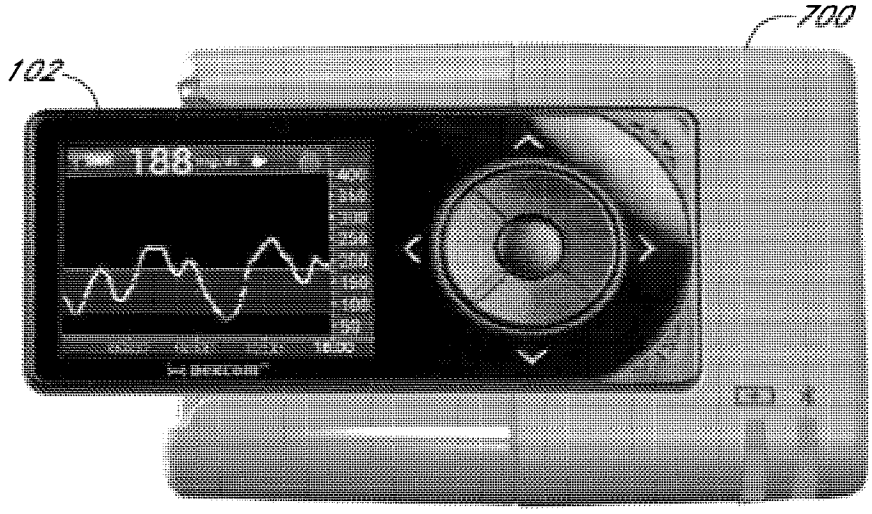


FIG. 7B

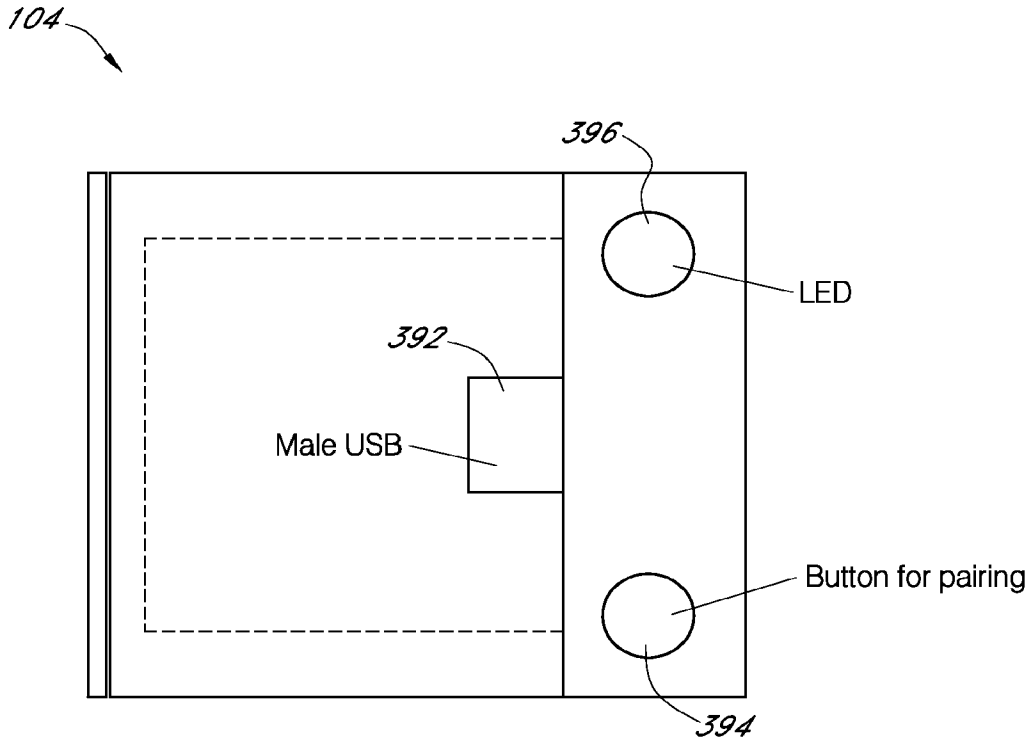


FIG. 8

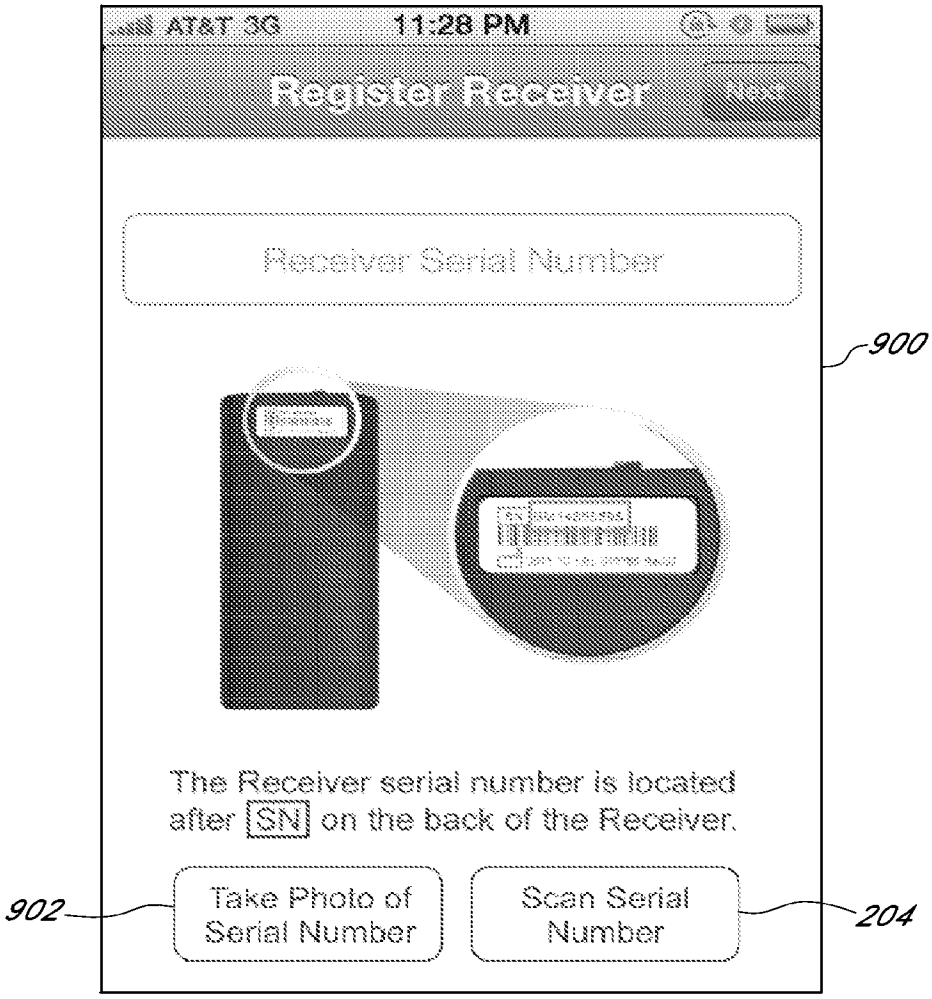

AT&T 3G
11:28 PM
Register Receiver
Next
Receiver Serial Number
900
The Receiver serial number is located after SN on the back of the Receiver.
902
Take Photo of Serial Number
Scan Serial Number
204

FIG. 9

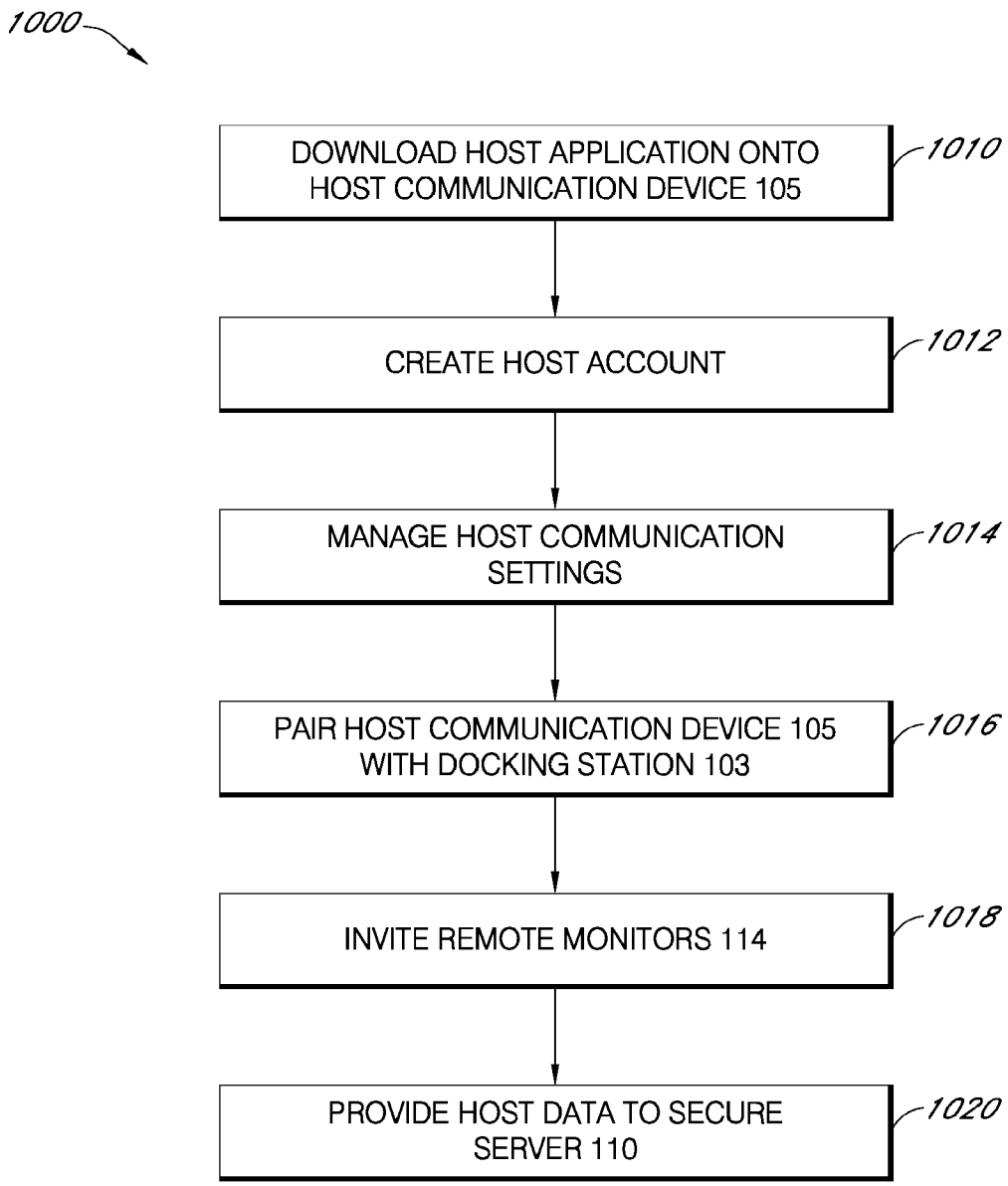

1000
DOWNLOAD HOST APPLICATION ONTO HOST COMMUNICATION DEVICE 105
1010
CREATE HOST ACCOUNT
1012
MANAGE HOST COMMUNICATION SETTINGS
1014
PAIR HOST COMMUNICATION DEVICE 105 WITH DOCKING STATION 103
1016
INVITE REMOTE MONITORS 114
1018
PROVIDE HOST DATA TO SECURE SERVER 110
1020

FIG. 10

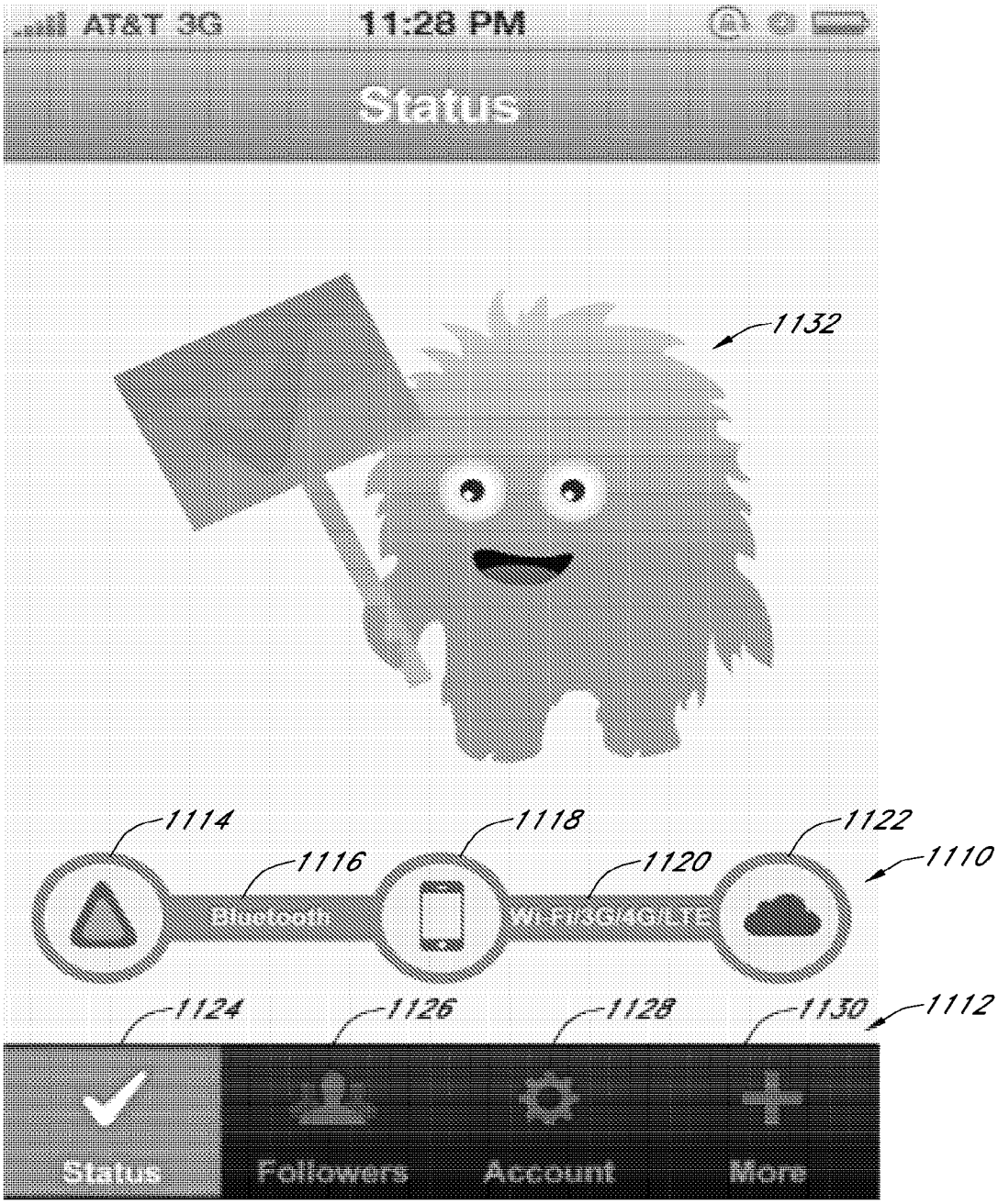

AT&T 3G
11:28 PM
Status
1132
1114
1116
1118
1120
1122
1110
Bluetooth
1124
1126
1128
1130
1112
Status
Followers
Account
More

FIG. 11A

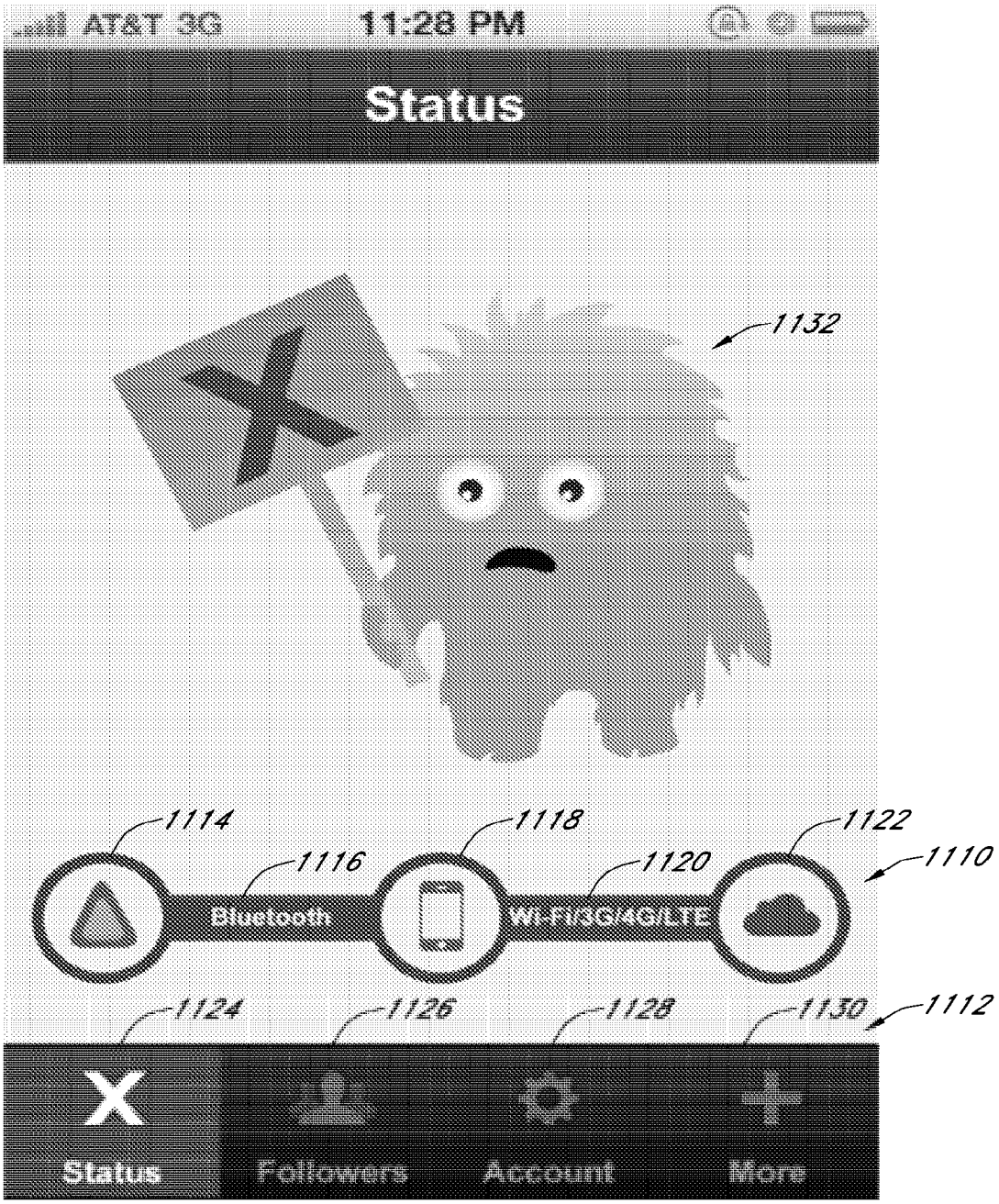

AT&T 3G
11:28 PM
Status
1132
1114
1116
1118
1120
1122
1110
Bluetooth
Wi-Fi/3G/4G/LTE
1124
1126
1128
1130
1112
Status
Followers
Account
More

FIG. 11B

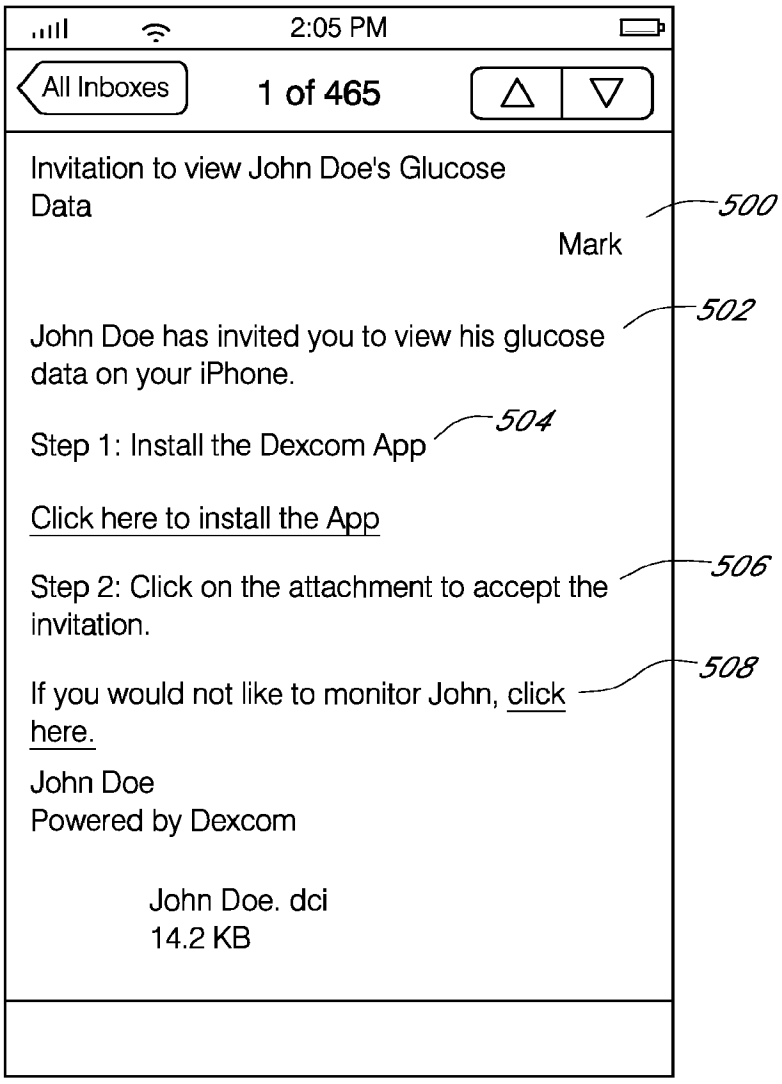

2:05 PM
All Inboxes
1 of 465
Invitation to view John Doe's Glucose Data
500
Mark
John Doe has invited you to view his glucose data on your iPhone.
502
Step 1: Install the Dexcom App
504
Click here to install the App
Step 2: Click on the attachment to accept the invitation.
506
If you would not like to monitor John, click here.
508
John Doe
Powered by Dexcom
John Doe. dci
14.2 KB

FIG. 12

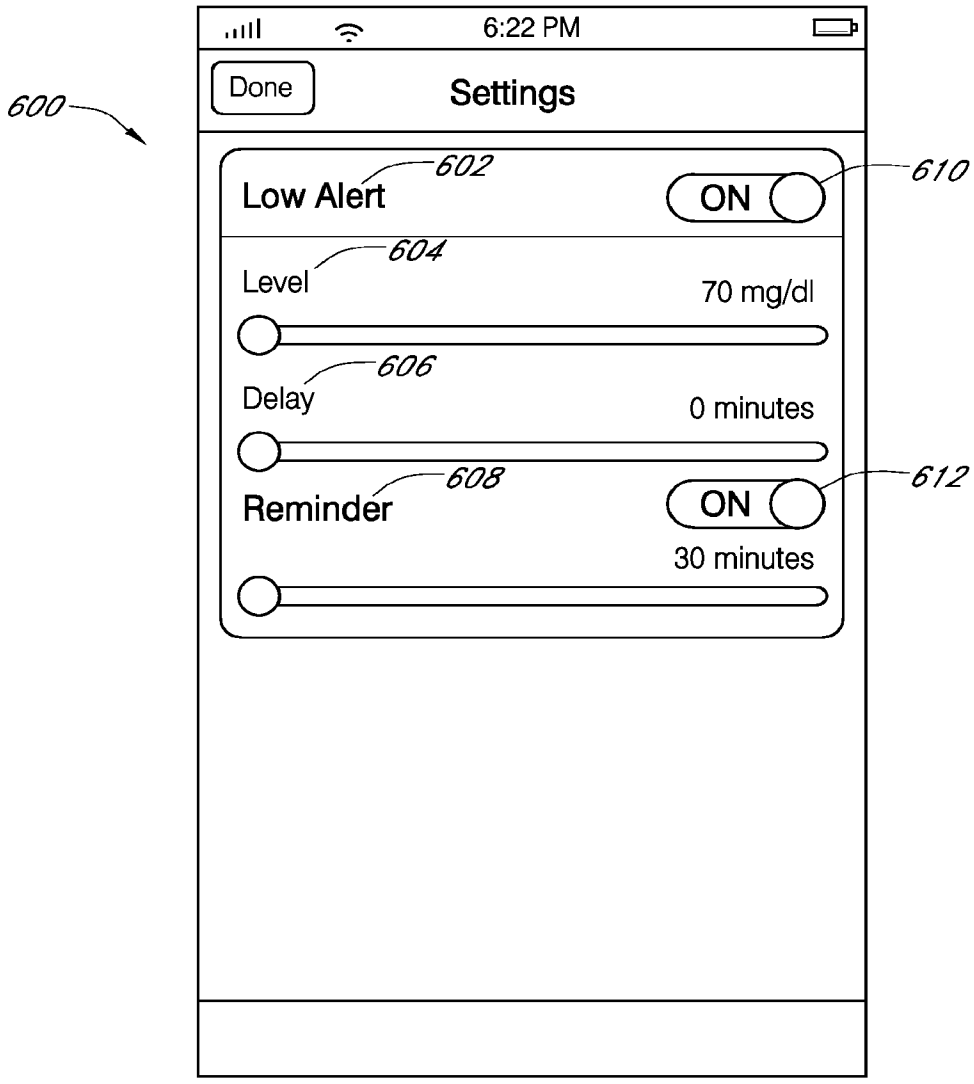

600
6:22 PM
Done
Settings
602
Low Alert
ON
610
604
Level
70 mg/dl
606
Delay
0 minutes
608
Reminder
ON
612
30 minutes

FIG. 13

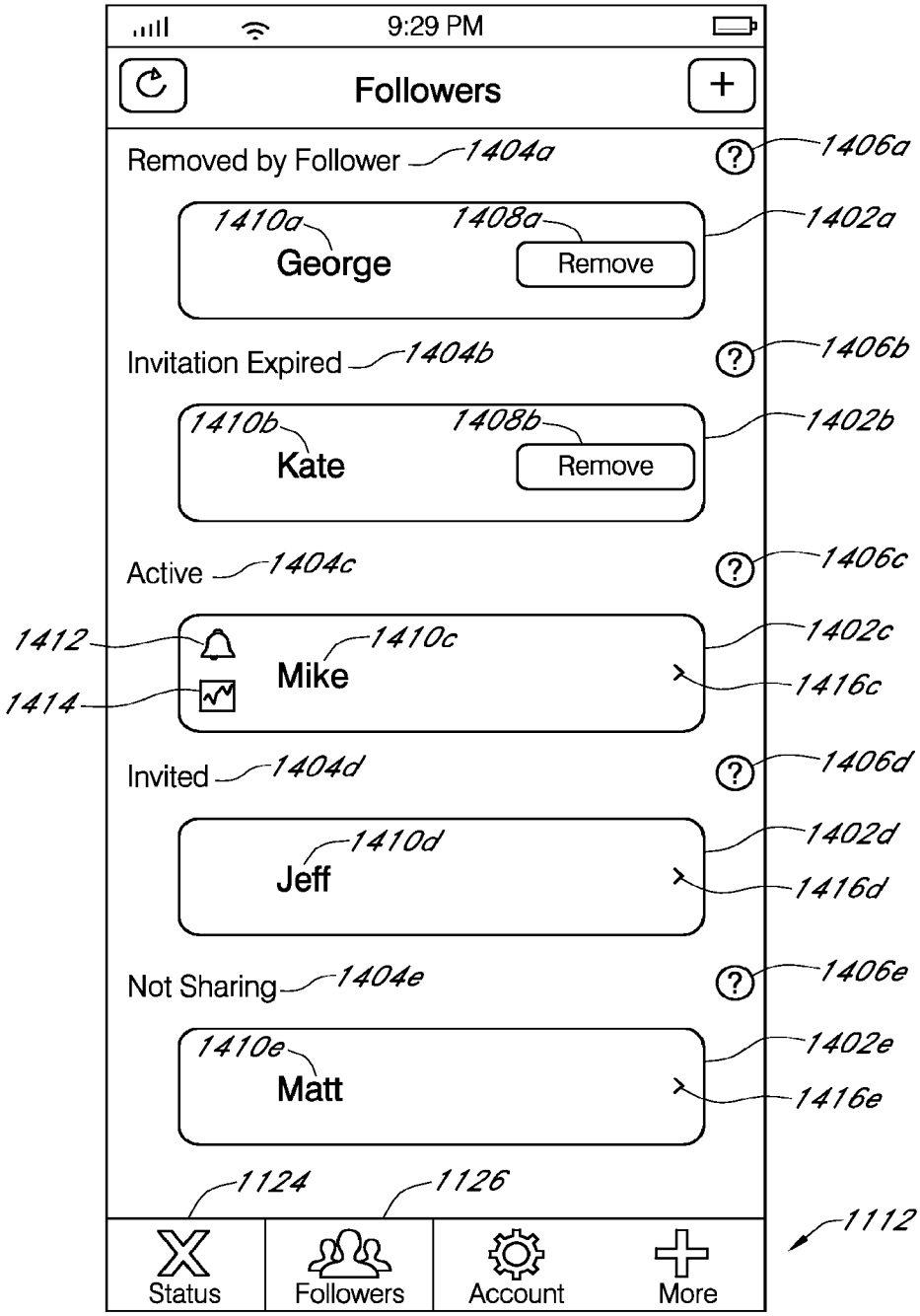

9:29 PM
Followers
Removed by Follower
1404a
1406a
1410a
George
1408a
Remove
1402a
Invitation Expired
1404b
1406b
1410b
Kate
1408b
Remove
1402b
Active
1404c
1406c
1412
1410c
Mike
1402c
1414
1416c
Invited
1404d
1406d
1410d
Jeff
1402d
1416d
Not Sharing
1404e
1406e
1410e
Matt
1402e
1416e
1124
1126
1112
Status
Followers
Account
More

FIG. 14

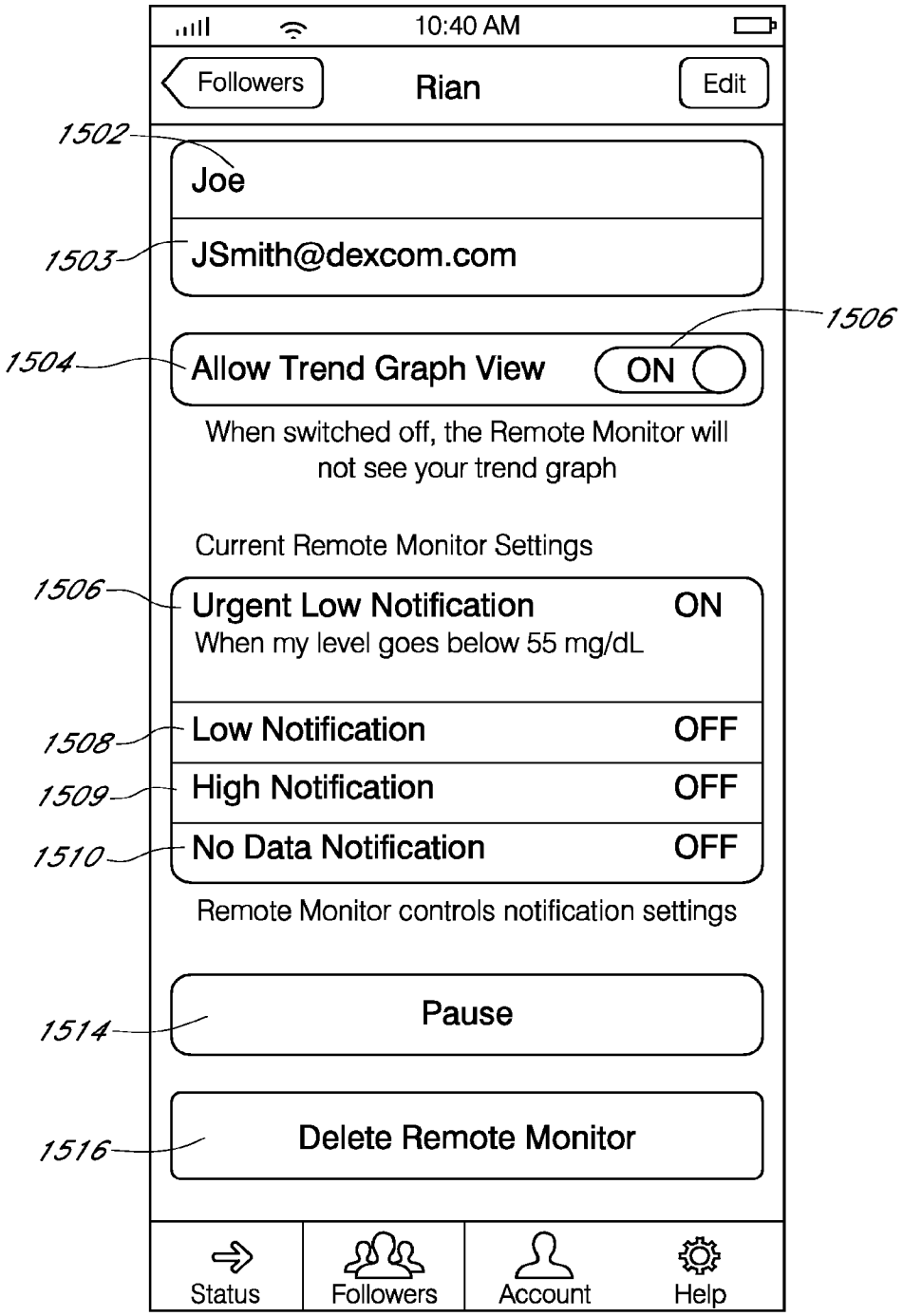

10:40 AM
Followers
Rian
Edit
1502
Joe
1503
JSmith@dexcom.com
1506
1504
Allow Trend Graph View
ON
When switched off, the Remote Monitor will not see your trend graph
Current Remote Monitor Settings
1506
Urgent Low Notification
ON
When my level goes below 55 mg/dL
1508
Low Notification
OFF
1509
High Notification
OFF
1510
No Data Notification
OFF
Remote Monitor controls notification settings
1514
Pause
1516
Delete Remote Monitor
Status
Followers
Account
Help

FIG. 15

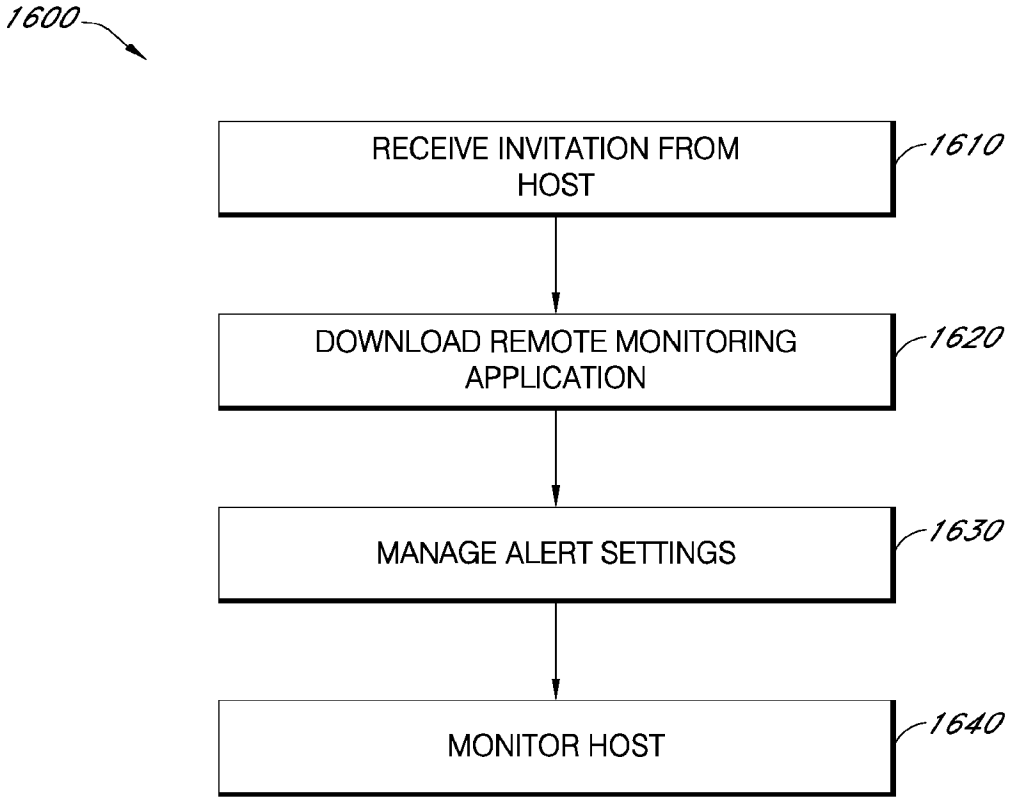

1600
RECEIVE INVITATION FROM HOST
1610
DOWNLOAD REMOTE MONITORING APPLICATION
1620
MANAGE ALERT SETTINGS
1630
MONITOR HOST
1640

FIG. 16

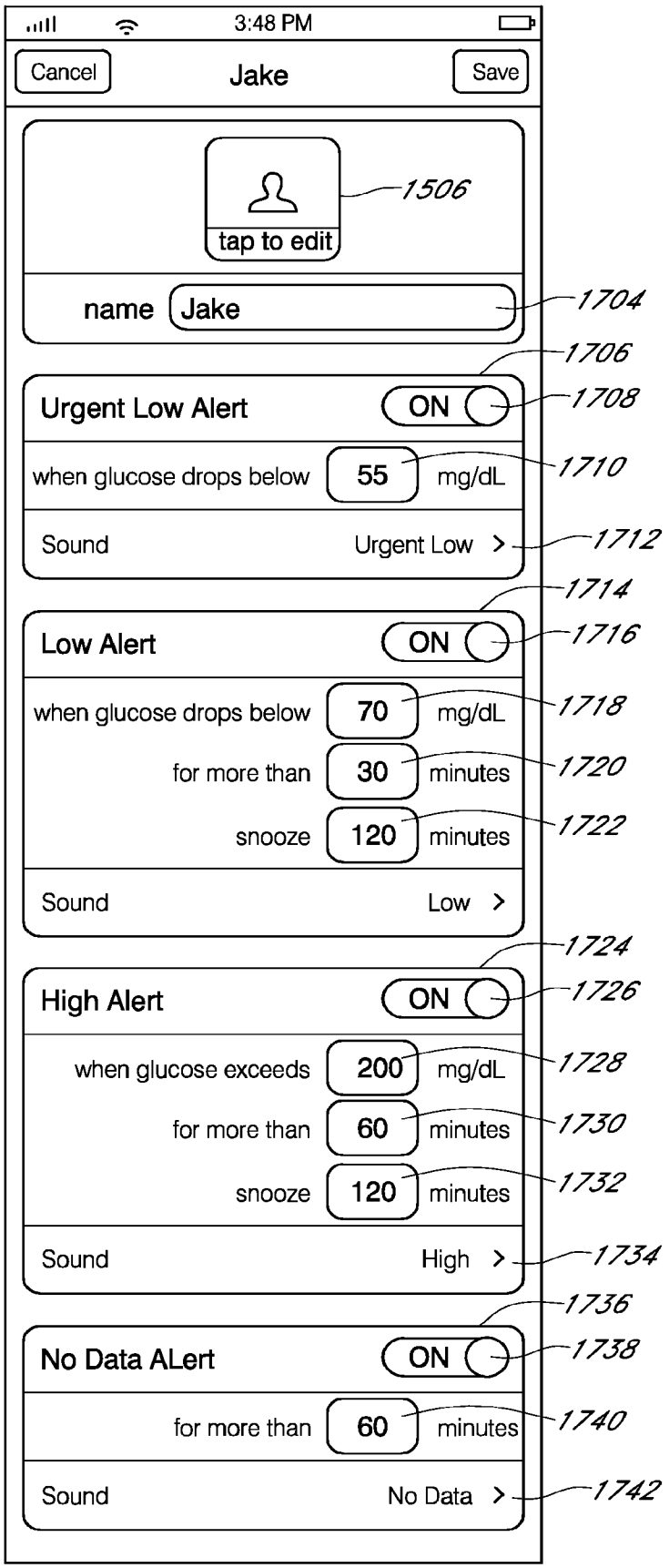

3:48 PM
Cancel
Jake
Save
tap to edit
1506
name
Jake
1704
1706
Urgent Low Alert
ON
1708
when glucose drops below
55
mg/dL
1710
Sound
Urgent Low >
1712
1714
Low Alert
ON
1716
when glucose drops below
70
mg/dL
1718
for more than
30
minutes
1720
snooze
120
minutes
1722
Sound
Low >
1724
High Alert
ON
1726
when glucose exceeds
200
mg/dL
1728
for more than
60
minutes
1730
snooze
120
minutes
1732
Sound
High >
1734
1736
No Data ALert
ON
1738
for more than
60
minutes
1740
Sound
No Data >
1742

FIG. 17

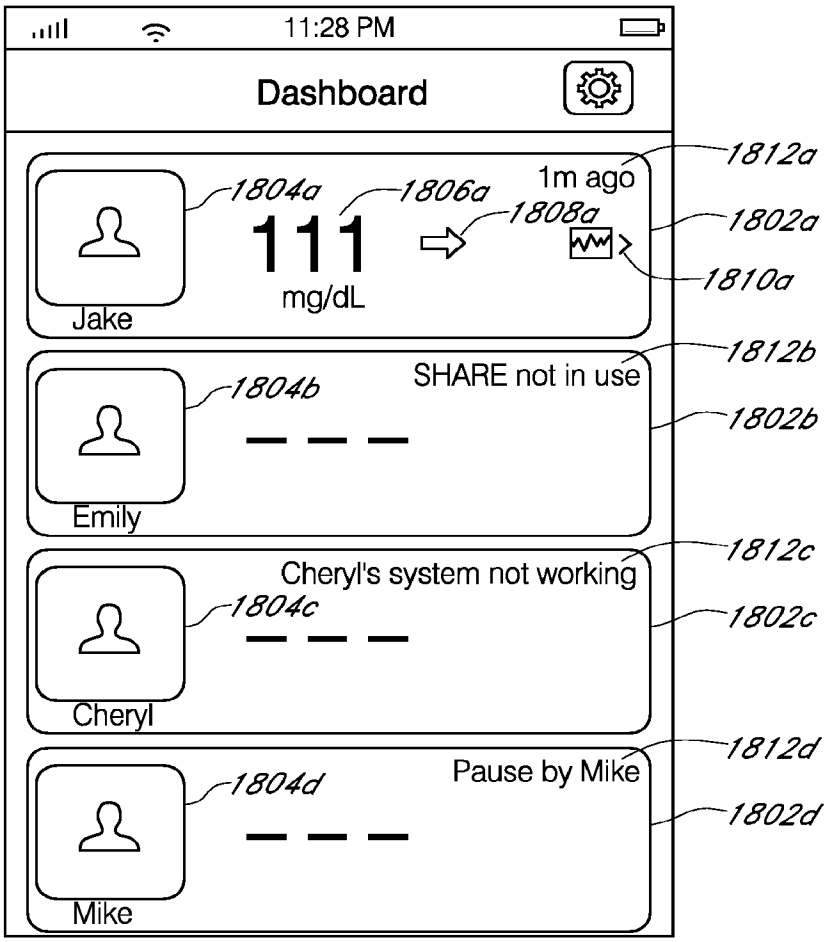

11:28 PM
Dashboard
1812a
1m ago
1804a
1806a
1808a
1802a
111
mg/dL
1810a
Jake
1812b
SHARE not in use
1804b
1802b
Emily
1812c
Cheryl's system not working
1804c
1802c
Cheryl
1812d
Pause by Mike
1804d
1802d
Mike

FIG. 18A

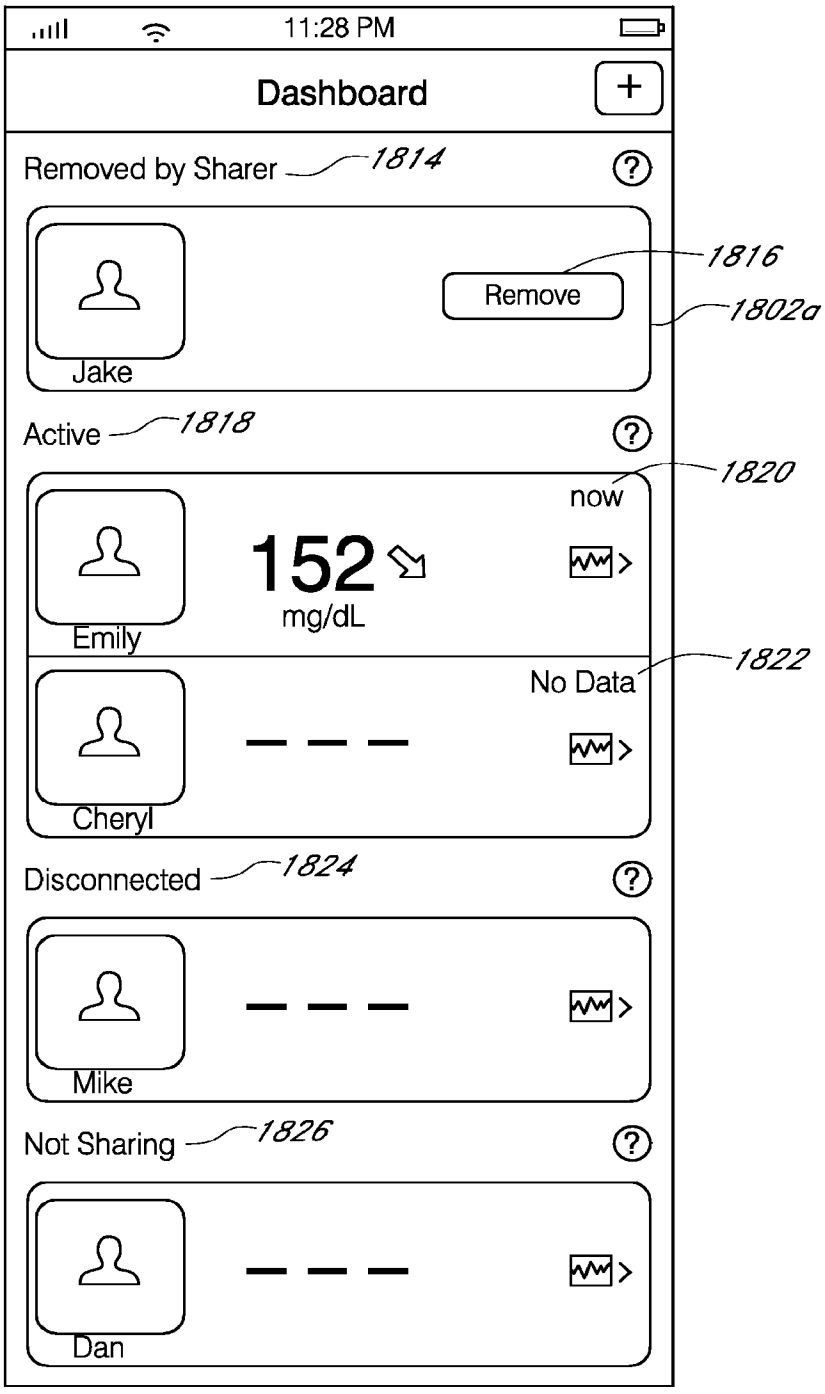

11:28 PM
Dashboard
+
Removed by Sharer
1814
Remove
1816
1802a
Jake
Active
1818
1820
now
152
mg/dL
Emily
No Data
1822
Cheryl
Disconnected
1824
Mike
Not Sharing
1826
Dan

FIG. 18B

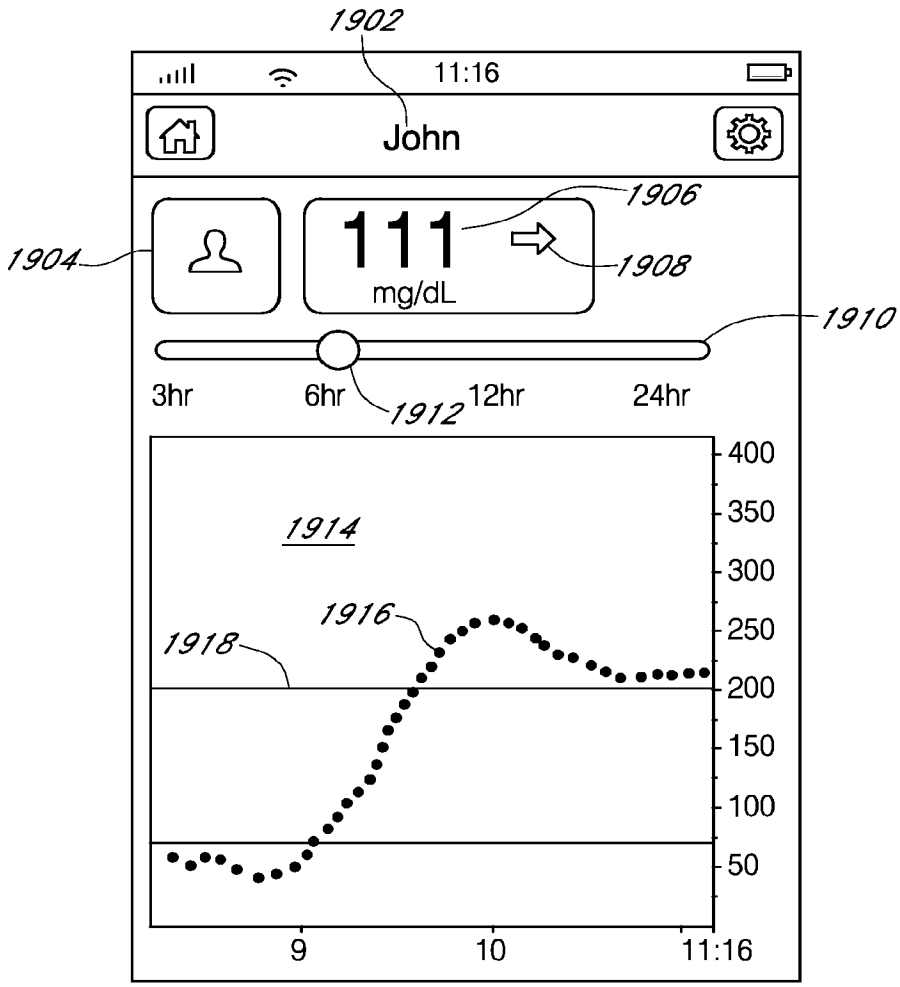

1902
11:16
John
1906
1904
111
mg/dL
1908
1910
3hr
6hr
1912
12hr
24hr
1914
400
350
300
250
200
150
100
50
1916
1918
9
10
11:16

FIG. 19

REMOTE MONITORING OF ANALYTE MEASUREMENTS

INCORPORATION BY REFERENCE TO RELATED APPLICATIONS

[001] Any and all priority claims identified in the Application Data Sheet, or any correction thereto, are hereby incorporated by reference under 37 CFR 1.57. This application is a continuation of U.S. Application No. 14/144,532, filed December 20, 2013, which is a continuation of U.S. Application No. 13/842,679, filed March 15, 2013, which claims the benefit of U.S. Provisional Application No. 61/747,717, filed December 31, 2012, the disclosures of which are hereby expressly incorporated by reference in their entirety and are hereby expressly made a portion of this application.

FIELD

[002] The present disclosure generally relates to remote monitoring.

BACKGROUND

[003] Diabetes mellitus is a disorder in which the pancreas cannot create sufficient insulin, such as in the case of Type I diabetes and/or in which insulin is not effective, such as Type 2 diabetes. In a diabetic state, a victim suffers from high blood sugar, which causes an array of physiological derangements, such as kidney failure, skin ulcers, or bleeding into the vitreous of the eye, associated with the deterioration of small blood vessels. A hypoglycemic reaction, such as low blood sugar, may be induced by an inadvertent overdose of insulin, or after a normal dose of insulin or glucose-lowering agent accompanied by extraordinary exercise or insufficient food intake.

[004] A diabetic person may carry a self-monitoring blood glucose (SMBG) monitor, which typically requires uncomfortable finger pricking methods. Due to the lack of comfort and convenience, a diabetic typically measures his or her glucose level only two to four times per day. Unfortunately, these time intervals are spread so far apart that the diabetic will likely find out too late, sometimes incurring dangerous side effects, of a hyperglycemic or hypoglycemic condition. In fact, it is not only unlikely that a diabetic will take a timely SMBG value, but additionally the diabetic will not know if his blood glucose value is higher or lower based on conventional methods.

[005] Consequently, a variety of non-invasive, transdermal (e.g., transcutaneous) and/or implantable electrochemical sensors are being developed for continuously detecting and/or quantifying blood glucose values. These as well as other types of devices generally transmit raw or minimally processed data for subsequent analysis at a remote device, which can include a display, to allow presentation of information to a user hosting the sensor.

SUMMARY

[006] Methods and apparatus, including computer program products, are provided for remote monitoring of analyte data. In some example implementations, there is provided a method. The method may include receiving, at a remote monitor, a notification message representative of an event detected, by a server, from analyte sensor data obtained from a receiver monitoring an analyte state of a host; presenting, at the remote monitor, the notification message to activate the remote monitor, wherein the remote monitor is configured by the server to receive the notification message to augment the receiver monitoring of the analyte state of the host; accessing, by the remote monitor, the server, in response to the presenting of the notification message; and receiving, in response to the accessing, information including at least the analyte sensor data.

Abbott Ex. 1002 - 32/848

[007] In some example implementations, the above-noted aspects may further include additional features described herein including one or more of the following. The notification message may be received from at least a first wireless connection between the remote monitor and a notification service coupled to the server, wherein the additional information may be received from at least a second wireless connection between the remote monitor and the server. The first wireless connection may comprise a persistent, encrypted connection configured to carry a short message pushed by the notification service to a notification message center at the remote monitor, and wherein the second wireless connection may comprise a momentary, encrypted connection established, in response the accessing, to provide the additional information comprising at least additional analyte sensor data. The presenting may further comprise inhibiting access to one or more applications at the remote monitor until an action at the remote monitor is detected to indicate receipt of the notification message, wherein the remote monitor further may comprise a monitoring application. The notification message may be presented as a momentary message on a display at the remote monitor, without the inhibiting access. The at least one of the remote monitor and the receiver may comprise one or more of a mobile station, a wireless terminal, a tablet, a smart phone, a multi-mode wireless device, and a computer. The server may comprise at least one processor configured to receive analyte sensor data from the receiver, process the analyte sensor data to detect the event, and forward, when the event is detected, the notification message to the remote monitor based on one or more rules mapping the event to the remote monitor designated to receive the notification message for the detected event. The event may be detected based on a first set of rules at the server, wherein the first set of rules used to generate the notification message may be different from a second set of rules used to detect alerts sent to the receiver coupled to a sensor system at the host. The receiver may include, or couple to, a gateway interfacing a wireless connection to a public land mobile network and the server. A plurality of remote monitors may be configured, wherein at least one of the plurality of remote monitors may be

Abbott Ex. 1002 - 33/848

designated as a primary monitor, and at least one of the plurality of remote monitors may be designated as a secondary monitor. The remote monitor may configure at least one rule representative of a trigger causing an alert to be sent by the server to the receiver. The remote monitor may configure one or more invitations sent to one or more devices to invite the one or more devices to monitor the receiver. The server may send a message acknowledging a receipt of the notification message. The notification message may include at least one of an indication of a need to calibrate a sensor and an acknowledgement message indicating at least one of an action or an acknowledgement sent by the receiver in response to an alarm sent to the receiver. The activation of the remote monitor may comprise opening the monitoring application. A connection may be established between the remote monitor and the server to enable the receiving of the information including the analyte sensor data. The server may register at least one of the remote monitor, the receiver, an analyte sensor coupled to the receiver, and the registration may include a code provided by a health care provider. The method may be implemented on an apparatus comprising at least one processor and at least one memory including code, which when executed by the at least one processor causes the apparatus to provide the method. A computer-readable storage medium may include code which when executed by at least one processor causes the method.

[008] In another aspect, there is provided a method. The method may include receiving, at a remote monitor, an invitation to access a secure server and data associated with a receiver monitoring an analyte state of a host; and modifying, by the remote monitor, a rule defining an alert representative of an event associated with the analyte state of the host, wherein the alert, when triggered, causes a message to be sent to the remote monitor to notify the remote monitor of the event.

[009] In some example implementations, the above-noted aspects may further include additional features described herein including one or more of the following. The modifying the rule may comprise varying a first threshold associated with a low level of glucose at the host, varying a

Abbott Ex. 1002 - 34/848

second threshold associated with a high level of glucose at the host, varying a delay between when an associated alert is triggered by a receiver and a notification message is sent to the remote monitor, and/or varying a time value when a reminder notification is sent to the remote monitor. The method may be implemented on an apparatus comprising at least one processor and at least one memory including code, which when executed by the at least one processor causes the apparatus to provide the method. A computer-readable storage medium may include code which when executed by at least one processor causes the method.

[010] It is to be understood that both the foregoing general description and the following detailed description are example and explanatory only and are not restrictive. Further features and/or variations may be provided in addition to those set forth herein. For example, the implementations described herein may be directed to various combinations and subcombinations of the disclosed features and/or combinations and subcombinations of several further features disclosed below in the detailed description.

DESCRIPTION OF THE DRAWINGS

[011] In the drawings,

[012] FIG. 1 depicts a high-level system architecture of a remote monitoring system in accordance with some exemplary implementations;

[013] FIGS. 2A-2C illustrate different system architectures of the remote monitoring system of FIG. 1 in accordance with some exemplary implementations;

[014] FIG. 3 depicts an example process for notifying a remote monitor of an event in accordance with some example implementations.

[015] FIGS. 4A and 4B depict examples of notification messages 170 and 172, respectively, in accordance with some implementations.

Abbott Ex. 1002 - 35/848

[016] FIG. 5 depicts an example of a sensor electronics module in accordance with some example implementations.

[017] FIG. 6 is a block diagram of an implementation of a gateway in accordance with some implementations.

[018] FIGS. 7A and 7B depict an example of a docking station in accordance with some implementations.

[019] FIG. 8 depicts an implementation of a gateway or docking stations in accordance with some implementations.

[020] FIG. 9 illustrates an exemplary display page to facilitate entry of the serial number of a receiver 1or other unique identifier in accordance with some implementations.

[021] FIG. 10 is a flow chart depicting a process for setting up host monitoring system in accordance with some implementations.

[022] FIGS. 11A and 11B are exemplary views of a status page in accordance with some implementations.

[023] FIG. 12 depicts an example invitation page presented at a remote monitor in the form of an email message in accordance with some implementations.

[024] FIG. 13 depicts an example page that may be presented on a display of the host computing device.

[025] FIG. 14 illustrates an overview page in accordance with some implementations.

[026] FIG. 15 is an exemplary settings display page in accordance with some implementations.

[027] FIG. 16 is a flowchart of an exemplary process of remote monitoring using a remote monitor.

Abbott Ex. 1002 - 36/848

[028] FIG. 17 is an implantation of a settings page that can allow the remote monitor to configure remote monitoring settings of a host in some implementations.

[029] FIGS. 18A and 18B are two different implementations of a dashboard page in accordance with some implementations.

[030] FIG. 19 is an exemplary page that provides a trend graph of a host's monitored analyte concentration in accordance with some implementations.

DETAILED DESCRIPTION

[031] Implementations described herein can include a system for one or more caretakers (e.g., a parent, spouse or healthcare practitioner) to remotely monitor health characteristics of one or more hosts. The health characteristics can include an analyte concentration of a host, such as glucose, or a bodily function, such as heart rate, blood pressure, temperature and the like. In addition, other characteristics of a host can be monitored to facilitate care of a host, such as a location of the host, state of a host (e.g., exercising, sleeping, or working) and the like. The health characteristics and other characteristics can be gathered using a host monitoring system that incorporates a computing device, such as a smart phone, and one or more sensors, such a continuous glucose sensor, heart-rate monitor, GPS device, etc. Additionally, a host can manually input information into the computing device, such as meal information, medication administration times and amounts, and the like. The information gathered by the host monitoring system can then be transmitted to one or more remote monitors used by caretakers. The caretaker(s) can then receive information about the host's health condition using a remote monitoring system. In some implementations, a host monitoring system can transmit information directly to the one or more remote monitors and/or the host monitoring system transmits information first to a remote server, which then transmits information to the host monitor.

Abbott Ex. 1002 - 37/848

[032] For purposes of illustration only, the following example is a non-limiting exemplary environment in which implementations of remote monitoring systems described herein can be used.

[033] In this exemplary environment, a host having diabetes is monitored by several different caretakers. The host has a continuous glucose monitoring system, such as the DexCom G4® Platinum continuous glucose monitoring system, commercially available from DexCom, Inc., which provides measurements of the host's glucose levels on a display device, such as the DexCom G4® Platinum Receiver, also commercially available from DexCom, Inc.

[034] Further, in this exemplary environment, the display device can be in communication with a gateway device, either wired communication or wireless communication. The gateway device gathers information, including real-time or near-real-time glucose concentration values, from the display device and transmits the information to a secure server. The gateway device can include a smartphone, such as an iPhone 4S or iPhone 5, each commercially available from Apple, Inc., and a host monitoring software application that comprises instructions configured to cause the smartphone to function as the gateway. The host monitoring software application can be in the form of a so-called "App" downloaded from the Apple App Store operated by Apple, Inc. The gateway can transmit information gathered from the continuous glucose monitoring system wirelessly to the secure server over a cellular network, Wi-Fi network, and the like.

[035] The remote server can store and monitoring the information received from the remote monitoring system. The monitoring can include comparing glucose values of the host (generated by the continuous glucose monitoring system and transmitted to the server via the gateway) to predetermined thresholds and initiating an action if a threshold is exceeded. For example, the server can compare a current glucose value with a predetermined glucose threshold and initiate a notification, such as a text message over a cellular network, to a remote monitoring

Abbott Ex. 1002 - 38/848

system if the glucose value exceeds the threshold. The server can also provide historical and current glucose values to the remote monitoring system on demand.

[036] As discussed above, the remote monitor can be used by a caretaker to monitor health characteristics of a host, which in this exemplary environment is glucose concentration levels of the host. Similar to the host monitoring system, the remote monitoring system can be a smartphone, such as an iPhone 4S or iPhone 5, and a remote monitoring software application that comprises instructions configured to cause the smartphone to function as the remote monitoring system. The remote monitoring software application can be in the form of a so-called "App" downloaded from the Apple App Store operated by Apple, Inc. The remote monitoring system can receive notifications from the server when a threshold is exceeded, notifying the caretaker using the remote monitoring system of the condition of the host. The remote monitoring system can also be used to view historical information about the monitored glucose levels of the host and modify notification rules, such as the threshold levels that trigger notifications.

[037] The following provides more detail of specific implementations, which may or may not include features noted in the above-discussed exemplary environment.

[038] FIG. 1 depicts a high-level system architecture of an implementation of remote monitoring system 100. Here, remote monitoring system 100 includes a plurality of host monitoring systems 198A – 198N connected to a plurality of remote monitors 114A -114M via network 118. Each host 198 monitoring system may be one or more health monitoring devices that gather health-related data associated with a host and transmit the health-related data via network 108. Exemplary implementations of health monitoring systems 198A-198N are described in more detail elsewhere in this disclosure, but in some implementations can include one or more sensors and computing devices operably coupled to the sensors to gather, process and transmit the health-related data. Network 108 can include any communication medium, such as

Abbott Ex. 1002 - 39/848

wired and wireless networks including cellular networks, local area networks, wide area networks, Wi-Fi networks, the internet, and the like. Network 108 can also include one or more servers 110 to process the health-related data received from and transmit notifications and data to one or more remote monitors 114A-114M either automatically or in response to a request from the remote monitors. Each remote monitor 114A-114M can be associated with an individual or entity that is monitoring the health of one or more of hosts using host monitoring systems 198A-198N. Each remote monitor 114 can be associated with a caretaker, such as parent, spouse, doctor, nurse, hospital and the like. The remote monitor 114 can include a computing device that receives notifications from network 108 and requests additional information, such as historical health-related data generated by one or more host monitoring systems 198A-198N.

[039] Remote monitoring system 100 of FIG. 1 can also include workstation 22. Workstation 22 may be a computing device, such as a personal computer, that has access to remote monitoring system 100 for configuring settings of system 100 and/or viewing information associated with one or more host monitoring systems 198, such as reports generated by remote monitoring system based on a host's health-related data.

[040] Using remote monitoring system 100 of FIG. 1, one or more remote monitors 114A-11M can monitor one or more host monitoring systems 198A-198N. That is, host monitoring system 198A can be monitored by remote monitors 114A and 114B, and at the same time, remote monitor 114A can monitor host monitoring system 198B in addition to host monitoring system 198A. Various permissions and invitations can be used to limit which remote monitors 114A-114M can monitor host monitoring systems 198A-118N, as described in more detail later in this disclosure.

[041] In one non-limiting example of remote monitoring system 100, each host monitoring system 198A-198N comprises a smartphone, such as an iPhone from Apple, Inc., and,

Abbott Ex. 1002 - 40/848

likewise, each remote monitor 114A-114M has a smart mobile telephone, such as an iPhone. Each host mobile telephone has a host software application downloaded from a server of network 108, the application configuring the mobile telephone to perform any of the functions by host monitoring system 198 described herein, including gathering and transmitting health-related data used in remote monitoring system 100. The host software application can be an application downloaded using the App Store service hosted by Apple, Inc. Similarly, each remote monitor 114A-114M has a remote monitoring application downloaded from a server of network 108, the remote monitoring application configuring to perform any of the remote monitoring functions described herein, including receiving notifications and requesting health-related data of a host. The remote monitoring application can also be a software application downloaded using the App Store service hosted by Apple, Inc.

[042] FIG. 2A depicts an example of system 100 for monitoring health-related information of host 199, in accordance with some example implementations. Here, the remote system 100 includes a continuous analyte monitoring system 8 including a sensor electronics module 12 and a continuous analyte sensor 10. The system 100 may also include devices and/or sensors, such as medicament delivery pump 2 (e.g., an insulin or glucagon pump), a glucose meter 4 (e.g., a blood finger stick meter), and any other device and/or sensor. The continuous analyte sensor 10 may be physically connected to sensor electronics module 12 and may be integral with (e.g., non-releasably attached to) or releasably attachable to the continuous analyte sensor 10.

[043] The sensor electronics module 12, medicament delivery pump 2, a glucose meter 4, and/or other devices/sensors may couple via a wired or wireless links to one or more devices, such as a receiver 102. The receiver 102 may include a display 122 to enable the host 199 to present information from continuous analyte sensor 10, delivery pump 2, glucose meter 4, and/or other devices/sensors.

Abbott Ex. 1002 - 41/848

[044] The implementation of system 100 illustrated in FIG. 2A provides via a gateway 104, networks 108A-C, a secure server 110, and a notification service 112, notification messages to one or more remote monitors 114A-114M, such as remote monitor 114A. Each remote monitor 114 may be configured at system 100 to provide a separate mechanism for monitoring the activity associated with host 199 including receiver 102, continuous analyte sensor 10, delivery pump 2, glucose meter 4, and/or any other sensor associated with host 199.

[045] To illustrate by way of an example, host 199 may access receiver 102 to view data from, or control aspects of, continuous analyte sensor 10, delivery pump 2, and/or glucose meter 4. However, another entity, such as a parent, a care giver, a health care professional, a school nurse, and the like, may have remote monitor 114 receive notification messages representative of certain events determined based on sensor data from receiver 102, continuous analyte sensor 10, delivery pump 2, and/or glucose meter 4, and view historical and substantially real-time sensor data. For example, an event may comprise one or more of the following: a measured analyte sensor value above or below a predetermined threshold, a rate of change or a level of glucose measurements above a predetermined threshold, a predicted glucose value approaching (or predicted to approach) a predetermined threshold, a host 199 not responding to a prompt, a message, or an alert displayed at receiver 102, and/or any other event detected by secure server 110 and/or receiver 102. In the example of FIG. 2A, the remote monitor 114 depicts a notification message 132 indicating low glucose level of host 199. As such, an entity having remote monitor 114 may assist host 199 by providing an additional layer of monitoring and oversight of host 199, as well as receiver 102, continuous analyte sensor 10, delivery pump 2, glucose meter 4, and the like.

[046] In some example implementations, the remote monitor 114 may include a processor, a computer-readable storage medium (e.g., memory, storage, and the like), a radio access mechanism (e.g., a modem and the like), and/or a user interface. The computer readable medium may include

Abbott Ex. 1002 - 42/848

code which when executed by a processor provides one or more applications, operating systems, and the like. For example, an application may be configured as a remote monitoring application configured to monitor and/or control one or more of the receivers 102, the continuous analyte sensor 10, the delivery pump 2, the glucose meter 4, and the like. In some implementations, the remote monitor 114 is an iPhone mobile phone from Apple, Inc. and the application is an application downloaded over the Internet using the App Store service operated by Apple, Inc.

[047] In some example implementations, the remote monitor 114 may comprise one or more of the following: a mobile station, a wireless terminal, a tablet, a smart phone, or the like. For example, the remote monitor 114 may be implemented as a wireless handheld device, a wireless plug-in accessory, or the like. Moreover, the remote monitor 114 may be implemented as multi-mode device configured to operate using a plurality of radio access technologies, such as Long Term Evolution (LTE), wireless local area network (WLAN) technology, such as 802.11 Wi-Fi and the like, Bluetooth, Bluetooth low energy (BT-LE), near field communications (NFC), and any other radio access technologies. Moreover, the remote monitor 114 may be configured to establish connections to access points in network 108A, such as cellular base stations, Wi-Fi access points, and the like, using at least one of the plurality of the radio access technologies. Although some of the examples herein refer to the remote monitor as a mobile, wireless device, the remote monitor may also be implemented as a stationary device, such as a personal computer and the like.

[048] In some example implementations, the receiver 102 may be configured differently than the remote monitor 114. For example, the receiver 102 may include a different set of rules defining when an alert is sent to the receiver 102, when compared to the set of rules used to trigger a notification to the remote monitor 114. Moreover, although the receiver 102 may trigger alerts on its own (e.g. applying thresholds to sensor data received from sensor system 8), receive alerts from sensor system 8 or receive alerts directly from the secure server 110, the remote monitor 114 may be

Abbott Ex. 1002 - 43/848

configured to receive messages, such as short messages, text messages, and the like, from a notification service 112, and these messages can serve to activate the remote monitor 114, such as activating the remote monitor application of the remote monitor. For example, the remote monitor 114 may close the remote monitor application session (as well as close network connection 109 to secure server 110), when the remote monitor application is not actively being used to conserve power at the remote monitor. When this is the case, the notification service 112 may send a message over network connection 111 to allow activation of the remote monitor 114 and/or a remote monitor application (and this activation may be automatic or under the control of a user of remote monitor 114).

[049] Although some of the examples described herein refer to secure server 110 as an intermediary node between the receiver 102 and the remote monitor 114, in some example implementations, the secure server 110 may be by-passed. For example, the gateway 104 may communicate directly with the remote monitor 114, and vice-versa. In addition, the gateway 104 and receiver 102 may receive notification messages to activate an application at the receiver 102 or gateway 104 to allow the host to be alerted.

[050] FIG. 3 depicts an example process 197 for notifying a remote monitor 114 of an event associated with receiver 102, continuous analyte sensor 10, delivery pump 2, glucose meter 4, and/or host 199, in accordance with some example implementations. The description of FIG. 3 also refers to FIG. 2A.

[051] In some example implementations, the secure server 110 may register and/or configure one or more of the receiver 102, the continuous analyte sensor 10, the delivery pump 2, the glucose meter 4, and the host 199 before process 197 is initiated, although registration and/or configuration may occur at other times as well. The registration process may be performed to register the receiver 102, the continuous analyte sensor 10, the delivery pump 2, the glucose meter 4, the remote monitor 114, and/or the host 199 with the secure server 110. Moreover, the configuration

Abbott Ex. 1002 - 44/848

process may be performed to configure system 100 including the identities of the one or more remote monitors used to monitor receiver 102, configure one or more rules used to trigger notification messages to the remote monitors, configure one or more rules designating primary and secondary remote monitors, configure one or more rules establishing schedules for the primary and secondary monitors, configure one or more rules defining an escalation sequence representative of when to elevate an event to a primary monitor or a secondary monitor, and the like.

[052] At 180, receiver 102 may send sensor data, such as analyte data from sensor system 8 and the like, to gateway 104, which then forwards the sensor data at 182 to secure server 110. For example, receiver 102 may couple to gateway 104 via a wired or wireless connection, and gateway 104 may couple to secure server 110 via network 108A. The gateway 104 may be configured to pull current and/or historical data from the receiver 102 on its own or in response to a request from secure server 110.

[053] At 186, the secure server 110 may determine whether one or more of the remote monitors114A-114M, such as remote monitor 114A, should be sent a notification message regarding an event. The secure server 110 may determine whether to send a notification message to a remote monitor based on received sensor data (as well as any other data available at the secure server), which triggers an event (or satisfies a rule) at the secure server. For example, secure server 110 may receive the sensor data at 182 and then process the received sensor data alone or along with other data (e.g., historical data, data from other sources of patient information, and the like) to determine whether to send the notification message alerting the remote monitor 114 of the event. The secure server 110 may also receive information from other systems, such as a heath management system or a health care provider's systems, and this information may be used to trigger notification messages to the remote monitor. In addition, the secure server 110 may send notification messages to confirm whether the remote monitor is still actively monitoring the host 199.

Abbott Ex. 1002 - 45/848

[054] To illustrate by way of an example, receiver 102 may receive sensor data from host 199 and transmit the sensor data to secure server 110 via gateway 104 and network 108A, and the secure server 110 may process the sensor data and determine a low level of glucose by comparing the most current glucose level data to a predetermined low glucose threshold, although other events described herein may be detected as well. The secure server 110 may include one or more rules defining events, such as the low level of glucose exceeding a threshold and include rules defining the identities of the remote monitors receiving a notification message indicating the low level of glucose at the host 199. For example, the rule may define that when a low level of glucose is detected for a certain host, a certain remote monitor should receive a notification message. The notification message may include an indication of the low level of glucose (e.g., the glucose value), the time of the event, and other information, such a plot of current and past glucose levels, host information (e.g., name), and/or any other host related information.

[055] The one or more rules defining the events may be defined during the configuration process by a user, such as host 199, a caregiver, and/or predefined as default rules (which may be reconfigured by a user or may be adapted by the system 100 over time to accommodate the host). In some example implementations, the one or more rules may define a threshold value representative of a severity of the event that should be reported to the one or more remote monitors, the times of day when a notification message should be sent to each of the remote monitors, the identities (e.g., phone number, Internet Protocol address, email address, and the like) of the one or more remote monitors, and the like.

[056] Furthermore, the one or more rules may include escalation rules, so that events can be handled differently based on severity of event, type of event, and/or lack of responsiveness by a designated remote monitor. For example, a rule may define that a glucose value below a certain value should not be the subject of a notification message to remote monitor 114 (although an alert message

Abbott Ex. 1002 - 46/848

may be sent to the receiver 102 or gateway 104 to notify the host 199); another rule may define that a glucose value between a range of values should be the subject of a notification message to remote monitor 114; while another rule may define sending, when a dangerously low glucose value is detected, notification messages to remote monitor 114A as well as other remote monitors 114B-M. In some example implementations, the rules used to trigger alerts to host 199 at receiver 102 may be different from the rules used to send notification messages to remote monitor 114, although one or more of the rules may be the same as well.

[057] Although the previous examples described an event associated with low glucose levels, other types of events may be defined as well at the secure server 110 in order to trigger notification messages to the remote monitor 114 and/or trigger alerts to the receiver 102.

[058] At 187, the secure server 110 may send an alert to the receiver 102 and/or gateway 104. The alerts may be triggered based on events which are the same or different as the rules used to trigger events for notification messages to the remote monitor 114. Moreover, the secure server 110 may include a delay between when the alert is sent at 187 and the notification messages are sent at 188-190. For example, the delay may allow the receiver 102 to acknowledge or take action before sending messages at 188-190, as the receiver may also have a set of rules that are the same or different than those for the receiver stored on the secure server. That is, the receiver 102 may trigger an alert based on rules residing within the receiver, and the receiver may receive an alarm from the secure server based on a different set of rules stored at secure server. The delay prior to the secure server 110 sending a notification to the receiver 102 may be varied by the secure server based on the severity or type of event, and the delay may be configured by a user and/or configured programmatically. For example, a first delay may be used for a first low analyte threshold, but no delay may be used for a second, more severe, low glucose threshold.

Abbott Ex. 1002 - 47/848

[059] At 188-190, a notification message may be sent to one or more remote monitors based on whether one or more rules are triggered at 186. In some example implementations, the secure server may send a notification message to a push notification service 112, which then pushes a notification to the remote monitor(s). Examples of push notification services include the Apple Push Notification Service (APNS) and Google Cloud Messaging, although any other messaging mechanism including email, short messaging service, tweets, and the like may be used as well. In the case of APNS, the remote monitor 114 (or a notification message center therein) may establish an Internet Protocol (IP) connection with the APNS. This connection may be encrypted, persistent, and/or accredited, so that the notification service can send notification messages to the notification message center even when the remote monitor application and/or remote monitor are not actively being used. For example, the notification message center may alert the user of the remote monitor 114 that a notification message had arrived for the remote monitor application.

[060] In an implementation utilizing a push notification service, the notification service 112 may receive a notification message from secure server 110. The notification message may include a destination address, such as a phone number of the remote monitor 114, an IP address, and the like, and a payload, such as the contents of the notification message. Returning to the previous example regarding low glucose level, the notification message may include the phone number of remote monitor 114 and a short text message, such as a low glucose level value, time of measurement of the value, and/or an identity of the host. The notification message may be limited to 256 bytes, although other sized messages may be used as well. In any case, the notification service 112 pushes the notification message to remote monitor 114 via a connection, such as an Internet Protocol (IP) connection, between the notification service 112 and a notification message center at the remote monitor 114. When the notification message center at the remote monitor 114 receives the notification message, the notification message center may display the notification message, generate a sound, a

Abbott Ex. 1002 - 48/848

vibration, and another other indication to a user of the remote monitor 114. And, in some example implementations, the notification message center or a user of the remote monitor may activate the remote monitoring application if the remote monitoring application at the remote monitor 114 is not actively being used. The notification service 112 may be used in implementations in which the remote monitor 114 resides on a device, such as a smart phone and the like, that places the remote monitor 114 or the applications therein in an idle or an inactive mode to conserve power or reduce signaling to/from the network.

[061] In some example implementations, the push notification service may be by-passed, so that the secure server 110 sends the notification message directly to the remote monitor 114 and/or the remote monitoring application therein. This may occur, for example, when the remote monitoring application is open on the remote monitoring device.

[062] When the notification message is received at 192, the remote monitor 114 or a remote monitoring application therein may be activated if in an idle mode or an inactive mode. Once activated (which can be programmatically or under the control of a user), the remote monitor 114 may attempt to establish a connection to secure server 110. For example, the remote monitoring application may not be actively being used (e.g., in an idle mode, sleep mode, off, in background mode, and the like). To activate the remote monitoring application, the remote monitoring application may be activated by, for example, opening the remote monitoring application by selecting and expanding the remote monitoring application, actively using the remote monitoring application by entering a value into, selecting an element of, the user interface of the remote monitoring application, and the like. Moreover, the remote monitor and/or remote monitoring application may be activated by other ways as well. For example, activation may be invoked by movement of the remote monitor detected by a motion sensor and/or turning on, or increasing the intensity, of the display at the remote monitor.

Abbott Ex. 1002 - 49/848

[063] In response to acknowledgement that the remote monitor 114 has activated the remote monitoring application via access message 194, the secure server 110 may send at 196 additional information to the remote monitor. The content of the additional information sent from the secure server 110 to the remote monitor 114 may be automatically determined or may be defined by a request from remote monitor, which may be a request included in the access message 194 or a subsequent message from the remote monitor. The additional information may include one or more of the following: all available sensor data not currently stored in the receiver 102, sensor data over a predetermined amount of time, such as the previous 3 or 24 hours of glucose data obtained from the sensor system 100, receiver 102, and/or secure server 110, a plot of the glucose levels over time, a glucose variability value, instructions, motivational messages, status of host, remote monitoring permissions modified by the host, and the like.

[064] In some implementations, the secure server automatically sends sensor data from the past three hours to the remote monitor and the remote monitor can request any additional amount of past sensor data should the remote monitor want to evaluate the host over a longer period of time. The secure server 110 may query the receiver 102 via gateway 104 for additional data in order to respond should the secure server not have all sensor data specified in a request from the remote monitor 114.

[065] To illustrate further, when the remote monitor 114 receives the notification message, the notification may cause message 132 to appear on a display screen of the remote monitor 114. From the message 132, the remote monitoring application may be activated, either autonomously or under the direction of a user and/or notification message center. The remote monitoring application may then access at 192 the secure server 110 and programmatically receive any additional information associated with the event or other data since the last connection to secure server 110. For example, once the notification message is acknowledged with an access at 194 or an acknowledgement message,

Abbott Ex. 1002 - 50/848

secure server 110 may automatically respond with a page having a trend graph of the current glucose state and information indicating the severity of the event (or any other information available at secure sensor 110). Although the secure server 100 may instead respond with a subset of the data, in which case, the secure server 110 may automatically respond with new data since the last connection to secure server 110, so that remote monitor can generate a page including the trend graph showing the last 3 hours' worth of glucose levels. In any case, the remote monitor may be configured to automatically present, when message 196 is received, the page showing relevant event information, such as a trend graph covering a predetermined time period (e.g., a three hour history of glucose levels) for the host. An exemplary page that can be automatically presented is illustrated in FIG. 19, which is discussed in more detail elsewhere in this disclosure.

[066] Although FIG. 3 is primarily discussed with respect to remote monitor 114 monitoring a single host for ease of understanding, it is understood that the remote monitor may be monitoring multiple hosts, as discussed elsewhere herein. As such, secure server 110 may have sensor data and additional information associated with other hosts. Accordingly, in some implementations secure server can automatically send over sensor data of the other hosts remote monitor is monitoring, along with the sensor data from the host that triggered the notification 190 to the remote monitor. In this manner, remote monitor 114 can have an updated set of sensor data and other information associated with each of the hosts remote monitor is monitoring.

[067] FIGS. 4A and 4B depict examples of notification messages 170 and 172, respectively. In the example of notification message 170, the notification message 170 may be presented at remote monitor 114 as a window requiring a user interaction, when the remote monitor 114 receives the notification message. For example, the user interaction may comprise pressing a button on remote monitor 114, touching the screen of remote monitor over the area associated with a portion of the message 170 or activating (e.g., executing, opening, and the like) the remote monitoring

Abbott Ex. 1002 - 51/848

application at remote monitor 114. In some instances, the notification message 170 may appear when another application at remote monitor 114 is actively being used. When this is the case, a user interaction may comprise touching the screen over the area associated with a portion of the message 170 to acknowledge receipt of the notification message 170 before the user is allowed to resume the other application, although the user action may also preempt the other application and make the remote monitoring application the active application being viewed at the remote monitor. Moreover, the decision of whether to preempt the other application or resume the other application may be predetermined based on the severity level of the event, so that relatively more severe events preempt the other application, while less severe events do not.

[068] In the example of notification message 172, the notification message 172 may be presented at remote monitor 114 as a message that appears in the user interface as an informational message not requiring intervention on the part of the user. Furthermore, when notification message 172 appears while another application is being used at remote monitor 114, notification message 172 does not require the user to acknowledge notification message 172, or even activation of the remote monitoring application (which may be idle or inactive state at remote monitor 114), resulting thus in the continued use of the other application by the user.

[069] FIG. 2B depicts another example architecture of remote monitoring system 100. Referring to FIG. 2B, the receiver 102 may incorporate the gateway 104 of FIG. 2A. For example, the receiver 102 may include an interface, such as a radio frequency modem, to network 108A. To illustrate further, in the example of FIG. 2B, the receiver 102 may include a smart phone or other processor-based wireless device and provide access to network 108A and thus secure server 110 via the public land mobile network and other networks (e.g., the Internet).

[070] In addition, while illustrated separately in FIG. 2B, the secure server 110 may incorporate the notification service 112 or by-pass the notification service 112 in some

Abbott Ex. 1002 - 52/848

implementations. In such implementations, the operation of the system at FIG. 2B may be similar to the process described at FIG. 3 but sensor data 180 may be sent at 180 directly to secure server 110, and secure server 110 may send a notification message at 188 directly to the remote monitor 114.

[071] FIG. 2C depicts yet another example architecture of remote monitoring system 100. Here, gateway 104 is depicted as a dashed box including separate devices comprising a docking station 103 and a host communication device 105. Any of the functions for gateway 104 described herein can be divided between the docking station and host communication device in some implementations. For example, docking station 103 may communicate with receiver 102 and host communication device 105 may communicate with the secure server 110.

[072] In some implementations, the host communication device 105 is a smart phone and the docking station 103 physically, electrically and communicatively couples to receiver 102 to hold, power and communicate with, respectively, the receiver. In one implementation, the docking station 103 couples to the receiver via a USB connection to both provide power to the receiver 102 and communicate with the receiver 102. The docking station 103 then communicates with host communication device 105 via wireless communication, e.g. using the BLE protocol, and the host communication device communicates to secure server 110 via network 108A. Such an implementation including the docking station 103 may be used in the case where receiver 102 and host communication device 105 do not have the capability to communicate directly with one another because, for example, the receiver and host communication device not use a compatible communication protocol.

[073] In an example of the implementation of FIG. 2C, the host communication device 105 is a mobile telephone having a host monitoring application downloaded from the Apple App Store, wherein the application configures the mobile telephone to gather information from receiver 102 via docking station 103 and transmit that information to secure server 110, as well as any other functions described herein associated with gateway 104.

Abbott Ex. 1002 - 53/848

[074] Before providing additional implementation examples for gateway 104, networks 108A-C, secure server 110, notification service 112, and remote monitor 114, the following provides implementation examples for the receiver 102, continuous analyte sensor 10, delivery pump 2, and/or glucose meter 4.

[075] Referring again to FIGS. 2A-2C, sensor electronics module 12 may, in some example implementations, include electronic circuitry associated with measuring and processing data generated by the continuous analyte sensor 10. This generated continuous analyte sensor data may also include algorithms, which can be used to process and calibrate the continuous analyte sensor data, although these algorithms may be provided in other ways as well. The sensor electronics module 12 may include hardware, firmware, software, or a combination thereof to provide measurement of levels of the analyte via a continuous analyte sensor, such as a continuous glucose sensor. An example implementation of the sensor electronics module 12 is described further below with respect to FIG. 2.

[076] The sensor electronics module 12 may, as noted, couple (e.g., wirelessly and the like) with one or more devices, such as receiver 102 and the like, presenting (and/or alerting) information, such as sensor information transmitted by the sensor electronics module 12 for display at receiver 102.

[077] The receiver 102 may include one or more interfaces, such as machine-to-machine interfaces and user interfaces. For example, the user interfaces may include a variety of interfaces, such as one or more buttons 124, a liquid crystal display 122, a vibrator, an audio transducer (e.g., speaker), a backlight, and/or the like. The components that comprise the user interface may provide controls to interact with the user (e.g., the host). One or more buttons may allow, for example, toggle, menu selection, option selection, status selection, yes/no response to on-screen questions, a "turn off" function (e.g., for an alert), a "snooze" function (e.g., for an alert), a reset, and/or the like. The LCD 122 may provide the user with, for example, visual data output. The audio transducer 230 (e.g.,

Abbott Ex. 1002 - 54/848

speaker) may provide audible signals in response to triggering of certain alerts, such as present and/or predicted hyperglycemic and hypoglycemic conditions. In some example implementations, audible signals may be differentiated by tone, volume, duty cycle, pattern, duration, and/or the like. In some example implementations, the audible signal may be configured to be silenced (e.g., snoozed or turned off) by pressing one or more buttons 224 on the receiver 102 and/or by signaling the sensor electronics module using a button or selection on the receiver.

[078] Although FIGS. 2A,and 2B depict example implementations of receiver 102 as a hand-held display device, other form factors may be used as well, such as a relatively small, key fob-like, dongle-like display device, a cellular phone (e.g., a smart phone, a tablet, and the like), a personal computer 20, and/or any other user equipment configured to at least present information (e.g., a medicament delivery information, discrete self-monitoring glucose readings, heart rate monitor, caloric intake monitor, and the like).

[079] In some example implementations, the continuous analyte sensor 10 comprises a sensor for detecting and/or measuring analytes, and the continuous analyte sensor 10 may be configured to continuously detect and/or measure analytes as a non-invasive device, a subcutaneous device, a transdermal device, and/or an intravascular device. In some example implementations, the continuous analyte sensor 10 may analyze a plurality of intermittent blood samples, although other analytes may be used as well.

[080] In some example implementations, the continuous analyte sensor 10 may comprise a glucose sensor configured to measure glucose in the blood using one or more measurement techniques, such as enzymatic, chemical, physical, electrochemical, spectrophotometric, polarimetric, calorimetric, iontophoretic, radiometric, immunochemical, and the like. In implementations in which the continuous analyte sensor 10 includes a glucose sensor, the glucose sensor may be comprise any device capable of measuring the concentration of glucose and may use a variety of techniques to measure glucose

Abbott Ex. 1002 - 55/848

including invasive, minimally invasive, and non-invasive sensing techniques (e.g., fluorescent monitoring), to provide a data, such as a data stream, indicative of the concentration of glucose in a host. The data stream may be raw data signal, which is converted into a calibrated and/or filtered data stream used to provide a value of glucose to a user, such as a host, or a caretaker (e.g., a parent, a relative, a guardian, a teacher, a doctor, a nurse, or any other individual that has an interest in the wellbeing of the host). Moreover, the continuous analyte sensor 10 may be implanted as at least one of the following types of sensors: an implantable glucose sensor, a transcutaneous glucose sensor, implanted in a host vessel or extracorporeally, a subcutaneous sensor, a refillable subcutaneous sensor, an intravascular sensor.

[081] Although the description herein refers to some implementations that include a continuous analyte sensor 10 comprising a glucose sensor, the continuous analyte sensor 10 may comprise other types of analyte sensors as well. Moreover, although some implementations refer to the glucose sensor as an implantable glucose sensor, other types of devices capable of detecting a concentration of glucose and providing an output signal representative of glucose concentration may be used as well. Furthermore, although the description herein refers to glucose as the analyte being measured, processed, and the like, other analytes may be used instead or as well including, for example, ketone bodies (e.g., acetone, acetoacetic acid and beta hydroxybutyric acid, lactate, etc.), glucagon, Acetyl Co A, triglycerides, fatty acids, intermediaries in the citric acid cycle, choline, insulin, cortisol, testosterone, and the like. In some implementations, other health characteristics of a host are monitored in addition to or instead of analyte monitoring described herein, including, but not limited to heart rate, blood pressure levels, blood oxygen levels, body temperature, caloric intake, medicament delivery and the like.

[082] In one implementation, the sensor system 8 and receiver 102 comprise the DexCom G4® Platinum continuous glucose monitoring system available from DexCom, Inc., and gateway 104

Abbott Ex. 1002 - 56/848

comprises an Apple iPhone® smartphone available from Apple, Inc. with software downloaded thereon to cause the smart phone to perform the functions of gateway 104 described herein.

[083] FIG. 5 depicts an example of a sensor electronics module 12, in accordance with some example implementations. The sensor electronics module 12 may include sensor electronics that are configured to process sensor information, such as sensor data, and generate transformed sensor data and displayable sensor information. For example, the sensor electronics module may transform sensor data into one or more of the following: filtered sensor data (e.g., one or more filtered analyte concentration values), raw sensor data, calibrated sensor data (e.g., one or more calibrated analyte concentration values), rate of change information, trend information, rate of acceleration information, sensor diagnostic information, location information (which may be provided by a location module 269 providing location information, such as global positioning/navigation system information), alarm/alert information, calibration information, smoothing and/or filtering algorithms of sensor data, and/or the like.

[084] In some example implementations, the sensor electronics module 12 may be configured to calibrate the sensor data, and the data storage memory 220 may store the calibrated sensor data points as transformed sensor data. Moreover, the sensor electronics module 12 may be configured, in some example implementations, to receive wirelessly calibration information from a device, such as receiver 102, to enable calibration of the sensor data. Furthermore, the sensor electronics module 12 may be configured to perform additional algorithmic processing on the sensor data (e.g., calibrated and/or filtered data and/or other sensor information), and the data storage memory 220 may be configured to store the transformed sensor data and/or sensor diagnostic information associated with the algorithms.

[085] In some example implementations, the sensor electronics module 12 may comprise an application-specific integrated circuit (ASIC) 205 coupled to a user interface 122. The ASIC 205

Abbott Ex. 1002 - 57/848

may further include a potentiostat 210, a telemetry module 232 for transmitting data from the sensor electronics module 12 to one or more devices, such receiver 102 and the like, and/or other components for signal processing and data storage (e.g., processor module 214 and data store 220). Although FIG. 2 depicts ASIC 205, other types of circuitry may be used as well, including field programmable gate arrays (FPGA), one or more microprocessors configured to provide some (if not all of) the processing performed by the sensor electronics module 12, analog circuitry, digital circuitry, or a combination thereof.

[086] In the example depicted at FIG. 5, the potentiostat 210 is coupled to a continuous analyte sensor 10, such as a glucose sensor, via data line 212 to receive sensor data from the analyte. The potentiostat 210 may also provide via data line 212 a voltage to the continuous analyte sensor 10 to bias the sensor for measurement of a value (e.g., a current and the like) indicative of the analyte concentration in a host (also referred to as the analog portion of the sensor). The potentiostat 210 may have one or more channels (and corresponding one or more data lines 212), depending on the number of working electrodes at the continuous analyte sensor 10.

[087] In some example implementations, the potentiostat 210 may include a resistor that translates a current value from the sensor 10 into a voltage value, while in some example implementations, a current-to-frequency converter may also be configured to integrate continuously a measured current value from the sensor 10 using, for example, a charge-counting device. In some example implementations, an analog-to-digital converter may digitize the analog signal from the sensor 10 into so-called "counts" to allow processing by the processor module 214. The resulting counts may be directly related to the current measured by the potentiostat 210, which may be directly related to an analyte level, such as a glucose level, in the host.

[088] The telemetry module 232 may be operably connected to processor module 214 and may provide the hardware, firmware, and/or software that enable wireless communication between the

Abbott Ex. 1002 - 58/848

sensor electronics module 12 and one or more other devices, such as receiver 102, display devices, processors, network access devices/gateways, and the like. A variety of wireless radio technologies that can be implemented in the telemetry module 232 include Bluetooth, Bluetooth Low-Energy, the ANT protocol, NFC (near field communications), ZigBee, IEEE 802.11, IEEE 802.16, cellular radio access technologies, radio frequency (RF), infrared (IR), paging network communication, magnetic induction, satellite data communication, spread spectrum communication, frequency hopping communication, near field communications, and/or the like. In some example implementations, the telemetry module 232 comprises a Bluetooth chip, although the Bluetooth technology may also be implemented in a combination of the telemetry module 232 and the processor module 214. Further, while telemetry module is depicted as part of the ASIC 205 in FIG. 2, some or all of the telemetry module can be separate from the ASIC in other implementations.

[089] The processor module 214 may control the processing performed by the sensor electronics module 12. For example, the processor module 214 may be configured to process data (e.g., counts), from the sensor, filter the data, calibrate the data, perform fail-safe checking, and/or the like.

[090] In some example implementations, the processor module 214 may comprise a digital filter, such as for example an infinite impulse response (IIR) or a finite impulse response (FIR) filter. This digital filter may smooth a raw data stream received from sensor 10, data line 212 and potentiostat 210 (e.g., after the analog-to-digital conversion of the sensor data). Generally, digital filters are programmed to filter data sampled at a predetermined time interval (also referred to as a sample rate). In some example implementations, such as when the potentiostat 210 is configured to measure the analyte (e.g., glucose and the like) at discrete time intervals, these time intervals determine the sampling rate of the digital filter. In some example implementations, the potentiostat 210 is configured to measure continuously the analyte, for example, using a current-to-frequency converter.

Abbott Ex. 1002 - 59/848

In these current-to-frequency converter implementations, the processor module 214 may be programmed to request, at predetermined time intervals (acquisition time), digital values from the integrator of the current-to-frequency converter. These digital values obtained by the processor module 214 from the integrator may be averaged over the acquisition time due to the continuity of the current measurement. As such, the acquisition time may be determined by the sampling rate of the digital filter.

[091] The processor module 214 may further include a data generator configured to generate data packages for transmission to devices, such as receiver 102. Furthermore, the processor module 215 may generate data packets for transmission to these outside sources via telemetry module 232. In some example implementations, the data packages may, as noted, be customizable and/or may include any available data, such as a time stamp, displayable sensor information, transformed sensor data, an identifier code for the sensor and/or sensor electronics module, raw data, filtered data, calibrated data, rate of change information, trend information, error detection or correction, and/or the like.

[092] The processor module 214 may also include a program memory 216 and other memory 218. The processor module 214 may be coupled to a communications interface, such as a communication port 238, and a source of power, such as a battery 234. Moreover, the battery 234 may be further coupled to a battery charger and/or regulator 236 to provide power to sensor electronics module 12 and/or charge the batteries 234.

[093] The program memory 216 may be implemented as a semi-static memory for storing data, such as an identifier for a coupled sensor 10 (e.g., a sensor identifier (ID)) and for storing code (also referred to as program code) to configure the ASIC 205 to perform one or more of the operations/functions described herein. For example, the program code may configure processor module 214 to process data streams or counts, filter, calibrate, perform fail-safe checking, and the like.

Abbott Ex. 1002 - 60/848

[094] The memory 218 may also be used to store information. For example, the processor module 214 including memory 218 may be used as the system's cache memory, where temporary storage is provided for recent sensor data received from data line 212 and potentiostat 210. In some example implementations, the memory may comprise memory storage components, such as read-only memory (ROM), random-access memory (RAM), dynamic-RAM, static-RAM, non-static RAM, easily erasable programmable read only memory (EEPROM), rewritable ROMs, flash memory, and the like.

[095] The data storage memory 220 may be coupled to the processor module 214 and may be configured to store a variety of sensor information. In some example implementations, the data storage memory 220 stores one or more days of continuous analyte sensor data. For example, the data storage memory may store 1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 20, and/or 30 (or more days) of continuous analyte sensor data received from sensor 10 via data line 212. The stored sensor information may include one or more of the following: a time stamp, raw sensor data (one or more raw analyte concentration values), calibrated data, filtered data, transformed sensor data, location information, and/or any other sensor related or displayable information.

[096] The user interface 222 may include a variety of interfaces, such as one or more buttons 224, a liquid crystal display (LCD) 226, a vibrator 228, an audio transducer (e.g., speaker) 230, a backlight, and/or the like. The components that comprise the user interface 222 may provide controls to interact with the user (e.g., the host). One or more buttons 224 may allow, for example, toggle, menu selection, option selection, status selection, yes/no response to on-screen questions, a "turn off" function (e.g., for an alert), a "snooze" function (e.g., for an alert), a reset, and/or the like. The LCD 226 may provide the user with, for example, visual data output. The audio transducer 230 (e.g., speaker) may provide audible signals in response to triggering of certain alerts, such as present and/or predicted hyperglycemic and hypoglycemic conditions. In some example implementations, audible signals may be differentiated by tone, volume, duty cycle, pattern, duration, and/or the like. In some

Abbott Ex. 1002 - 61/848

example implementations, the audible signal may be configured to be silenced (e.g., snoozed or turned off) by pressing one or more buttons 224 on the sensor electronics module and/or by signaling the sensor electronics module using a button or selection on a display device (e.g., key fob, cell phone, and/or the like).

[097] Although audio and vibratory alerts are described with respect to FIG. 2, other alerting mechanisms may be used as well. For example, in some example implementations, a tactile alert is provided including a poking mechanism configured to "poke" the patient in response to one or more alert conditions.

[098] The battery 234 may be operatively connected to the processor module 214 (and possibly other components of the sensor electronics module 12) and provide the necessary power for the sensor electronics module 12. In some example implementations, the battery is a Lithium Manganese Dioxide battery, however any appropriately sized and powered battery can be used (e.g., AAA, Nickel-cadmium, Zinc-carbon, Alkaline, Lithium, Nickel-metal hydride, Lithium-ion, Zinc-air, Zinc-mercury oxide, Silver-zinc, or hermetically-sealed). In some example implementations, the battery is rechargeable. In some example implementations, a plurality of batteries can be used to power the system. In yet other implementations, the receiver can be transcutaneously powered via an inductive coupling, for example.

[099] A battery charger and/or regulator 236 may be configured to receive energy from an internal and/or external charger. In some example implementations, a battery regulator (or balancer) 236 regulates the recharging process by bleeding off excess charge current to allow all cells or batteries in the sensor electronics module to be fully charged without overcharging other cells or batteries. In some example implementations, the battery 234 (or batteries) is configured to be charged via an inductive and/or wireless charging pad, although any other charging and/or power mechanism may be used as well.

Abbott Ex. 1002 - 62/848

[0100] One or more communication ports 238, also referred to as external connector(s), may be provided to allow communication with other devices, for example a personal computer (PC) communication (com) port can be provided to enable communication with systems that are separate from, or integral with, the sensor electronics module. The communication port, for example, may comprise a serial (e.g., universal serial bus or "USB") communication port, to communicate with another computer system (e.g., PC, personal digital assistant or "PDA," server, or the like), a dongle with a wireless transceiver coupled to a docking station as described further below, and/or any other interface. The communication port may also be coupled to, or include, a wireless transceiver to allow wireless communications as well. In some example implementations, the sensor electronics module 12 is able to transmit historical data to a PC or other computing device (e.g., a secure server as disclosed herein) for retrospective analysis by a patient and/or physician.

[0101] In some continuous analyte sensor systems, an on-skin portion of the sensor electronics may be simplified to minimize complexity and/or size of on-skin electronics, for example, providing only raw, calibrated, and/or filtered data to a display device such as receiver 102 configured to run calibration and other algorithms described above with respect to the sensor electronics module 12. However, the sensor electronics module 12 may be implemented to execute prospective algorithms used to generate transformed sensor data and/or displayable sensor information, including, for example, algorithms that: evaluate a clinical acceptability of reference and/or sensor data, evaluate calibration data for best calibration based on inclusion criteria, evaluate a quality of the calibration, compare estimated analyte values with time corresponding measured analyte values, analyze a variation of estimated analyte values, evaluate a stability of the sensor and/or sensor data, detect signal artifacts (noise), replace signal artifacts, determine a rate of change and/or trend of the sensor data, perform dynamic and intelligent analyte value estimation, perform diagnostics on the sensor and/or sensor data, set modes of operation, evaluate the data for aberrancies, and/or the like.

Abbott Ex. 1002 - 63/848

[0102] Although separate data storage and program memories are shown in FIG. 5, a variety of configurations may be used as well. For example, one or more memories may be used to provide storage space to support data processing and storage requirements at sensor electronic module 12.

[0103] Although some of the examples noted refer to a continuous analyte sensor 10, a glucose meter 4, and pump 2 in communications with sensor electronics module 12 and/or receiver 102, other devices may be used as well. For example, sensor electronics module 12 and/or receiver 102 may couple (either via wired and/or wireless links) to other sensors, including a glucose sensor, an altimeter, an accelerometer, a temperature sensor, a location module (e.g., a global positioning system processor or other source of location information), a heart rate monitor, a blood pressure monitor, a pulse oximeter, a caloric intake monitor, a medicament delivery device, and the like.

[0104] As noted above, the sensor electronics module 12 may generate and transmit, via a wireless or wired medium, a data package to a device, such as receiver 102, configured to receive, store, forward/retransmit, and/or display sensor data. The sensor electronics module 12 may, as noted, analyze the sensor data from the multiple sensors and determine which sensor data is to be transmitted based on one or more of many characteristics of the host, the receiver 102, a user of the receiver 102, a remote monitor 114, and/or characteristics of the sensor data. Moreover, one or more of the functions and/or components described herein with respect to the sensor system 8 may also or instead be found one or more of the receiver 102, gateway or secure server 110, and the one or more of the functions described herein with respect to the receiver 102 may also be found on the sensor system 8.

[0105] Referring again to FIG. 2A for purposes of illustration, the receiver 102 may forward analyte sensor data, as well as other available data, via wired and/or wireless links to gateway 104. In some example implementations, the gateway 104 may include a network interface configured as a radio interface, such as a cellular radio interface (e.g., Long Term Evolution and the like), a

Abbott Ex. 1002 - 64/848

wireless local area network interface (e.g., Wi-Fi and the like), and/or any other type of wireless or wired interface. For example, the gateway 104 may include at least one processor including a radio frequency subsystem (e.g., a modem). In these wireless examples, when the receiver 102 couples to gateway 104, the gateway 104 sends analyte sensor data and the like wirelessly to secure server 110 via network 108A, which may include one or more of an access network, a wireless local area network, a radio access network, a cellular network, the Internet, and/or any other communication mechanism. In some example implementations, gateway 104 may also include a wired connection network 108A, which further couples to secure server 110.

[0106] Gateway 104 can automatically send sensor analyte data and additional information from receiver 102 in one or more of a plurality of ways. For example, receiver 102 can provide gateway 104 with information without a request from gateway. The information can be provided automatically, such as after the expiration of a timer or upon the generation of a new sensor data point, or can be responsive to user input to receiver 102. Gateway 104 can then automatically send the information from receiver to secure server 110. In another example, gateway can automatically request information based upon predetermined rules, such as after the expiration of a timer, such as a 5 minute timer. The information provided by the receiver 102 can then be automatically sent to secure server 110. In yet another example, gateway may send a request for information to gateway 104 which then forwards the request to receiver 102. The receiver 102 can then provide the requested information to gateway, which then forwards the information to secure server 110. In each of these examples, the information requested can be for specific information (e.g., a specific time period of sensor data) or simply a general request to send information. In the latter case, the receiver 102 can determine what information to send responsive to the request, such as any new sensor data generated by receiver since the receiver last provided information to the server 110.

Abbott Ex. 1002 - 65/848

[0107] FIG. 6 is a block diagram of an implementation of gateway 104. The gateway 104 can include a power module 302 for charging the receiver 102 when it is coupled to the gateway 104, a wireless network interface 304 to allow wireless access to network 108A using a variety of network access technologies, although wired connectivity may also be provided by gateway 104 to network 108A, processor 414 and computer memory for storing instructions for processor 314 to execute functions of gateway 104 and storing health-related information received from receiver 102.

[0108] Moreover, the gateway 104 can include a receiver interface 306 to provide a wired and/or wireless interface to the receiver 102 in implementations where the receiver is separate from the gateway and the gateway does not include intermediate docking station 103. For example, receiver interface 306 may include a universal serial bus interface through which receiver 102 can communicate with gateway 104, secure server 110, and the like. The universal serial bus may also provide a physical connection for charging the receiver 102, although wireless charging may be used as well. Furthermore, receiver interface 306 may include a wireless interface, such as Bluetooth, Bluetooth low energy, Zig-bee, Atom, and any other wireless technology, through which receiver 102 can communicate with gateway 104, secure server 110, and the like. The gateway 104 may also include a user interface 310, such as a display, a touch screen display, a key pad, a speaker, a light emitting diode, and the like. For example, one or more light emitting diodes may be used to indicate whether the gateway 104 is properly coupled to the receiver 102, network 108A, secure server 110, and the like, whether the gateway 104 is connected to a power source (e.g., electrical outlet), whether the battery is charged, and the like. The display may also allow presentation of sensor data, alerts, notifications, and the like. For example, a user interface, such as a display, a light emitting diode, and the like, may provide an indication, such as a specific color light emitting diode, a message, and the like, representing that a connection, such as an Internet Protocol connection, a secure tunnel, and the like, has been establish between the gateway 104 and the secure server 110, so that the user of the

Abbott Ex. 1002 - 66/848

gateway 104 recognizes that the receiver is coupled to the so-called "cloud" which includes the secure server 110.

[0109] As discussed above, in some implementations, gateway 104 can comprise a smart phone having a host monitoring application stored thereon that configures the smart phone to perform the functions of gateway 104 described herein.

[0110] FIGS. 7A and 7B depict an example of the docking station 700, which can be the docking station 103 described with respect to of FIG. 2C. FIG. 7A illustrates a perspective view of the docking station 700 without receiver 102 physically coupled to the docking station, and FIG. 7B illustrates a front view of docking station with receiver 102 physically coupled to the docking station. Docking station 700 may have a cavity 710 to allow receiver 102 to be slideably inserted and releasably held into the docking station. The docking station 700 may also include a mechanical mechanism to releasably secure the receiver 102 to the docking station (not shown). The mechanism can be a latch assembly or the like. The docking station may electrically couple to the receiver 102 via, for example, an electrical connector, such as a universal serial bus connector, and/or a wireless interface, such as Bluetooth, Bluetooth low-energy, Wi-Fi, and any other wireless technology, and may transmit data received from the receiver 102 to host communication device 105, secure server 110 or remote monitor 114 using an electrical connector, and/or a wireless interface, such as Bluetooth, Bluetooth low-energy, Wi-Fi, and any other wireless technology.

[0111] The docking station 700 may also serve as a repeater and/or amplifier of any alert triggered by the receiver 102 and/or secure server 110. For example, the docking station 103 may receive an indication of an alert triggered by the receiver 102 from the receiver. The docking station 700 may repeat the alert by, for example, sounding an audible alarm, causing a vibration, and/or lighting a light emitting diode to indicate the alert to a user. Moreover, the receiver 102 may alert using a first alarm, such as a vibration, while the docking station 700 may re-alert using a second type

Abbott Ex. 1002 - 67/848

of alarm that is different from the first alarm. For example, the first alarm can be a vibratory alarm and the second alarm can be an audible alarm or vice versa. As another example, the first alarm can be an audible alarm and the second alarm can also be an audible alarm, but the second audible alarm is louder than the first alarm and/or has a different tonal pattern.

[0112] In some implementations, the docking station 700 can trigger an alert by physically sensing an alarm from the receiver 102. For example, the docking station can include a vibratory and/or audible sensor that can sense vibrations or sounds, respectively, emanating from receiver 102. In this way, the docking station 103 can trigger an alert upon sensing the receiver 102 triggering an alarm while the receiver is docked in the docking station.

[0113] Furthermore, the alert settings at the docking station 700 may be the same or different as those at the receiver 102. For example, alert settings at docking station 700 may be more stringent than those at the receiver 102. For instance, the receiver 102 may have a low glucose threshold at a value that is greater than a corresponding low glucose threshold at the docking station 700. The alert settings of the docking station 700 can be user configurable using a user interface of the docking station or a user interface of the host communication device 105, for example.

[0114] Additionally or alternatively, in some implementations the docking station 700 delays triggering an alert that was triggered by receiver 102 to allow the host time to cure the alert prior to the docking station triggering an alarm. Should the host cure the alert prior to the expiration of the delay, then the docking station 700 does not trigger the alert.

[0115] Further to FIGS. 7A and 7B, the docking station 700 can include one or more light indicators, such as LEDs, that indicate a status of the docking station 700 and/or other components of the system 100. For example, a first light indicator 712 can indicate (by either turning on or changing color) if the docking station 700 is receiving power from an external power source, a second light indicator 714 can indicate (by turning on, changing color or blinking) if the docking station is paired to

Abbott Ex. 1002 - 68/848

host communication device 105. Other light indicators can be used as well, such as a third light indicator that indicates if the communication channel between docking station 700 and host communication device 105 and/or secure server 110 is open and successfully transmitting sensor data from receiver 102.

[0116] FIG. 8 depicts another implementation of gateway 104. In the example of FIG. 8, the gateway 104 is configured as a dongle, such as a universal serial bus dongle, including universal serial bus connector 392 for coupling to the receiver 102, a user interface, such as a button 394 for performing a Bluetooth pairing to another device, such as host device 105, having access to network 108A, or directly to network 108A over a Wi-Fi or cellular communication channel. Although the gateway/dongle may be configured for Bluetooth pairing, the gateway/dongle may support connection establishment to the other devices using other radio access technologies, such as Bluetooth low energy, Wi-Fi, Atom, Zig-bee, NFC, and the like. The gateway/dongle depicted at FIG. 8 may also include a light emitting diode 396 for providing an indication of the state of the gateway 104 or receiver 102 (e.g., battery level, glucose level status, whether a user is in a low or high glycemic state, connection status to network, connection status to secure server, and the like). In some example implementations, the gateway at FIG. 8 may include its own rechargeable battery to power the gateway and/or the receiver 102, although it may rely on the receiver 102 as a power source as well.

[0117] In some example implementations, the gateway 104 may, as noted, include a radio frequency interface to allow the data to be automatically uploaded in a compressed format or uncompressed format from the receiver 102 to the secure server 110, which may be implemented as a so-called "cloud." And, the uploading may occur programmatically – without user intervention - when receiver 102 is in communication with gateway104. The gateway 104 may also be configured to gather an identifier of the receiver 102 (or the receiver may automatically provide the identifier without a request for the identifier from the gateway 104) and provide the identifier to the

Abbott Ex. 1002 - 69/848

secure server 110 to allow the secure server 110 to associate the received sensor data with the host 199, receiver, and any previously provided sensor data stored at secure server 110 (or a repository coupled to secure server 110) associated with the host. In some implementations, the identifier is the serial number of the receiver 102, and the receiver automatically sends the identifier along with any sensor data the receiver provides to gateway. Moreover, in some example implementations, the gateway 104 may be configured to send data incrementally, i.e., data previously received would not be re-sent to secure server 110 unless requested by secure server 110. Furthermore, gateway 104 may select between a cellular connection and a Wi-Fi connection based on connection speed, cost, and the like. For example, a free Wi-Fi connection may be selected over a fee-based cellular connection if available. Further, a cellular connection may be used for sending substantially real-time data generated by sensor system 8, but a Wi-Fi connection used for sending historical data, as it may not be as important for sending historical data in a timely fashion in some implementations.

[0118] In some example implementations, the gateway 104, receiver 102, sensor system 8, and remote monitor 114 may be preconfigured, so that when the sensor system 8 and receiver 102 communicatively couple to gateway 104, the gateway 104 recognizes the sensor system/receiver and/or users thereof. Further, the remote monitor 114 may also be recognized by server 110 to allow remote monitoring of receiver 102 to occur with little (if any) configuration by an end-user/host of receiver 102. For example, the secure server 110, gateway 104, receiver 102, sensor system 8, and remote monitor 114 may be preconfigured and preregistered, with little, if any, configuration or registration effort on the part of the host.

[0119] Referring again to FIGS. 2A-2C, the network 108A may include a wireless access network, such as a cellular network, a wireless local area network, and the like. In addition, network 108A may couple to other networks as well. For example, the gateway 104 may couple to an access network served by a base station or a Wi-Fi access point, which may have backhaul links to other

Abbott Ex. 1002 - 70/848

networks including the public land mobile network, the Internet, and the like. Networks 108B-C may be implemented in a manner that is the same or similar to network 108A.

[0120] The secure server 110 may receive analyte sensor data, store analyte sensor data, process analyte sensor data to detect events and thus allow generation of notifications to remote monitors 114 and/or generation of alerts to receiver 102 and/or gateway 104, generate pages or reports for display at remote monitor 114, receiver 102 and/or gateway 104, allow registration and/or configuration of host 199, sensor system 8, receiver 102, gateway 104 and remote monitor 114.

[0121] In some example implementations, one or more entities may have remote monitors 114A-114M. For example, the secure server 110 may register the identity of the users of remote monitors 114A-114M and a schedule for when each entity performs monitoring. Moreover, one or more of the entities may be configured at the secure server 110 as primary monitors for receiving notifications, while other entities may be configured as backup, secondary monitors for receiving notifications when a primary monitor does not acknowledge, or act on the, notification message sent to a remote monitor 114 according to one or more predefined rules. Furthermore, the secure server 110 may include one or more rules defining when an event results in a notification to one or more of the remote monitor(s) 114.

[0122] The secure server 110 may also provide a cloud-based diabetes data management framework that receives patient-related data from various devices, such as a medical device, a glucose meter, a continuous glucose monitor, a sensor system, a receiver, and/or other devices (e.g., a device providing food consumption, such as carbohydrates, consumed by a host or patient, medicament delivery data, time of day, temperature sensors, exercise/activity sensors, and the like) including any device disclosed herein. Furthermore, the cloud-based diabetes data management system may receive data programmatically with little (or no) intervention on the part of a user. The data received from devices, receivers, source systems, and the like may be in a variety of formats and may be structured or

Abbott Ex. 1002 - 71/848

unstructured. For example, the secure server 110 may receive, from sensor system 8 and receiver 102, raw sensor data, which has been minimally processed or analyzed, and the received data is then formatted, processed (e.g., analyzed), and/or stored in order to enable report generation by secure server 110. In addition to sensor data, the secure server 110 may also receive data from source systems, such as health care management systems, patient management systems, prescription management systems, electronic medical record systems, personal health record systems, and the like.

[0123] In some example implementations, the secure server 110 may check received data for transmission-related errors, data formatting, device-related error codes, validity of the data, duplicate data points, and/or other aspects of the data. Moreover, if out-of-range data points or device errors are found, the secure server 110 may identify those data points by, for example, flagging those data points, subsequently correcting the identified data points programmatically or by a system administrator, and storing the corrected data points. Moreover, secure server 110 may be configured by a user, such as a clinician, doctor, and the like, to perform additional data processing steps, such as correcting time of day, correcting the date, and analyzing data by specific cohorts, groups, and relationships (e.g., demographics, such as age, city, state, gender, ethnicity, Type I diabetes, Type II diabetes, age of diabetes diagnosis, lab results, prescription drugs being used, self-reported conditions of the patient, diagnosed conditions of the patient, responses to questions posed to patient, and any other metadata representative of the host/patient). Once secure server 110 performs initial data processing (e.g., checks, cleaning, and analysis), the processed data and/or the raw data may be stored at a repository coupled to the secure server 110.

[0124] The processing at secure server 110 may also include associating metadata with the data received from the devices and/or sensors. Examples of metadata include patient information, keys used to encrypt the data, patient accelerometer data, location data (e.g., location of patient or location of patient's clinic), time of day, date, type of device used to generate associated sensor data, and the

Abbott Ex. 1002 - 72/848

like. The patient information can include the patient's age, weight, sex, home address and/or any past health-related information, such as whether the patient has been diagnosed as a Type 1 or Type 2 diabetic, high-blood pressure, or as having any other health condition.

[0125] The processing may also include one or more of the following: analysis, such as determining one or more descriptive measurements; detecting or predicting events (e.g., a hypoglycemic, a hyperglycemic, and/or any other feature detected in the sensor data); applying pattern detectors to the received sensor data; and generating reports based on received information, such as sensor data, and descriptive measurements of the information including sensor data. The descriptive measurements may include statistics (e.g., median, inner, and outer quartile ranges, mean, sum, n, standard deviation, and coefficients of variation). In some example implementations, secure server 110 may also associate metadata with the data received from the devices, sensors, source system, and/or receivers; determine one or more descriptive measurements, such as statistics (e.g., median, inner and outer quartile ranges, mean, sum, n, and standard deviation); generate reports including descriptive measurements; validating and verifying the integrity of the received data from the devices, sensors, source system, and/or receivers; processing received data based on metadata (e.g., to select certain patients, devices, conditions, diabetic type, and the like), and/or correlating received data from the devices, sensors, source system, and/or receiver, so that the data can be compared and combined for processing including analysis. Moreover, the results of any processing performed by secure server 110 may be used to generate one or more reports, such as graphs, bar graphs, static charts, charts, and the like. Furthermore, the reports and other outputs generated secure server 110 may be provided to receiver 102, remote monitor 114, and any other processor via one or more delivery mechanisms.

[0126] Secure server 110 may be considered secure in the sense that it keeps private, patient identifiable information and/or restricts access to users registered and thus authorized to use secure server 110. For example, secure server 110 may receive a request from a device, such as

Abbott Ex. 1002 - 73/848

receiver 102 or remote monitor 114, to perform an action (e.g., provide data, store data, analyze/process data, request a report, request configuration information, request registration, and the like). Before secure server 110 services the request, the secure server 110 may process the request to determine whether the request is authorized and authenticated. For example, an authenticator and authorizer may determine whether the sender of the request is authorized by requiring a user to provide a security credential (e.g., a user identifier, a password, a stored security token, and/or a verification identifier provided by text message, phone, or email) at a user interface presented on a processor, such as receiver 102, remote monitor 114, and/or any other computer. If authorized, authenticator and authorizer may authenticate the sender of the request to check whether a security credential associated with sender of the request indicates that the sender is indeed permitted to access a specific resource at system 100 in order to perform the action, such as store (or upload) data at a repository, perform analyze/process data, request report generation, receive alerts, receive notification messages, and the like.

[0127] In some example implementations, the secure server 100 may include a pattern detector to perform pattern detection on data, such as sensor data representative of blood glucose data, analytes, and other data as well (e.g., insulin pump data, carbohydrate consumption data, and the like). The pattern detector may detect the pattern and generate an output, which may be provided to a report generator at secure server for generating an alert to receiver 102, a notification message to remote monitor 114, and/or a page containing a report.

[0128] Moreover, the pattern detector may detect patterns in data/sensor data retrospectively for a predetermined time defined by system 100 and/or a user. For example, the pattern detector may receive input data from a repository coupled to secure server 110, and the input data may include sensor data representative of glucose concentration data, analytes, and other data as well (e.g., insulin pump data, carbohydrate consumption data, histograms and/or counts, data from a continuous

Abbott Ex. 1002 - 74/848

glucose monitor (CGM data), time of day, amount of carbohydrates, other food related information, exercise, awake/sleep timer intervals, medications ingested, and the like). Moreover, the input data may comprise historical data obtained over a timeframe, such as 8 hours, 1 day, 2 days, 7 days, 30 days, and/or any other time period. For example, the input data may comprise counts representative of monitored analyte detection levels (e.g., glucose concentration levels) received and stored at system 100 over a period covering a four-week timeframe.

[0129] To further illustrate the pattern detector, patterns can be recognized based on one or more predefined triggers (also referred to as criteria, rules, and filters). Furthermore, the one or more predefined triggers may be variable and adjustable based user input and/or programmatically based on one or more rules at the secure server 110. And, some types of patterns may be selected, turned off and on, and/or modified by a user, a user's physician, or a user's guardian, although system 100 may select, adjust, and/or otherwise modify triggers programmatically as well.

[0130] Some examples of the types of relationships in the input data that can be considered a pattern are one or more of the following: a glucose level that exceeds a target glucose range (which may be defined by a user, a health care provider, secure server 110, or a combination thereof); a glucose level that is below a target glucose range; a rapid change in glucose level from a low to a high (or vice versa); times of day when a low, a high, an at range, or rapid glucose level event occurs; days when a low, a high, an at range, or a rapid glucose level event occurs; a hyperglycemic pattern; a hypoglycemic pattern; patterns associated with a time of day or week; a weighted scoring for different patterns based on frequency, a sequence, and a severity; a custom sensitivity of a user; a transition from a hypoglycemic to hyperglycemic pattern; an amount of time spent in a severe event; a combination of glucose change and time information; and/or a pattern of high variability of glucose data. Further, a pattern may be based on a combination of previous pattern data and a currently detected situation, whereby the combined information generates a predictive alert.

Abbott Ex. 1002 - 75/848

[0131] Hypoglycemic patterns by time of day may be detected based on events detected by secure server 110. For example, a pattern may be identified in situations where the user has low glucose concentrations around the same time in the day. Another type of pattern, which may be identified, is a "rebound high" situation. For example, a rebound high may be defined as a situation where a user overcorrects a hypoglycemic event by overly increasing glucose intake, thereby going into a hyperglycemic event. These events may be detected based on one or more predefined triggers.

[0132] To further illustrate examples of the patterns, basic patterns may be configured to allow a search for certain patterns in the data, such as values within range, high coefficient of variance, and the like. Each pattern may have one dimension, such as within range, with a separate pattern looking specifically for below range, another looking for low coefficient of variance, and the like. Each pattern may be statistically based and use standard descriptive statistics in the application of pattern matching. Each pattern may be assigned scores for various rules encoded with each pattern, such as is it positive, negative, how important an insight is, and the like. Each pattern may also be assigned a possible set of date ranges for which the pattern is applicable. For example, counting the number of times a high glucose value is followed by a low below range is a pattern that just applies to the full range. However, looking at high levels of variance can apply to a month, a week, a day, an intraday, every other hour, hourly, and combinations thereof. Every pattern may be assigned a minimally acceptable score before it can be considered for display or generation of an alert sent to the receiver 102 (or host 199) and/or notification message sent to remote monitor 114. Each pattern (and any associated triggers/rules) may be processed for a set of data for a certain timeframe, and if the pattern is applied and meets certain minimal requirements, then the patterns are ranked according to significance. As such, the ranked patterns may each correspond to an alert sent to the receiver 102 (or host 199) and/or notification message sent to remote monitor 114 (or a primary monitor or secondary monitor access the remote monitor 114).

Abbott Ex. 1002 - 76/848

[0133] Connection establishment refers to the process of adding one or more remote monitors to system 100 to provide a second layer of oversight into the operation of sensor system 8 and receiver 102. The connections to the remote monitor 114 may be established based on an invitation sent to the remote monitor 114. This invitation may be sent with the consent of the receiver 102, gateway 104 (e.g., via a user interface therein), and/or host 199. For example, the receiver 102 and remote monitor 114 may be required to both accept invitations or to enter a code (e.g., a password, shared secret, and the like) in order to opt in to the remote monitoring provided at system 100.

[0134] To illustrate further with respect to FIG. 1, host monitoring system 198A may have a single remote monitor 114A or a plurality of remote monitors 114A-114M, and the rules associated with when the remote monitors receive alerts and what types of alerts should be sent may be stored at the secure server 110. For example, first remote monitor 114A may receive notification messages during the day, while second remote monitor 114B may receive notification messages at night, although other schedules may be used as well. As another example, first remote monitor 114A may have high and low threshold values that trigger an alert to remote monitor 114A that are different than one or both of the high and low threshold values that trigger an alert to remote monitor 114B. Moreover, one or more rules may define first remote monitor 114A as a primary monitor, while second remote monitor 114B may be defined as a backup or secondary monitor.

[0135] The remote monitor 114 may acknowledge a received notification message by activating (e.g., opening, interacting with, accessing, selecting, and the like) the remote monitoring application which causes a message to be sent at 194 (FIG. 3) to the secure server 110 or responding to a message presented at the user interface of the remote monitor. If the secure server 110 does not receive any form of acknowledgement that the user has seen or otherwise acknowledged the notification message at the remote monitor after a predetermined amount of time (which may depend on the severity or type of the event), the secure server 110 may resend the notification to the remote

Abbott Ex. 1002 - 77/848

monitor 114. In some example implementations, the secure server 110 may receive a message from the notification service 112 that the remote monitor 114A is out of service or otherwise unreachable, in which case the secure server 110 may resend the notification message to a different remote monitor 114B. The delay used by the secure server for resending the notification messages may be configured based on the severity or type of the event, and the secure server may also include rules defining a predetermined quantity of unsuccessful resends before escalation to another primary monitor, a secondary/backup monitor, an emergency medical service, and the like. And, this predetermined quantity of unsuccessful resends may also be configured at the secure server to vary based on severity or type of the event or user configured.

[0136] In some example implementations, as illustrated in FIG. 1, the remote monitor 114 may receive notification messages for a single host monitoring system 198A or a plurality of host monitoring systems 198A-198N. Furthermore, a page may be generated by secure server 110 and then sent to the one or more remote monitors for presentation at a user interface at each of the remote monitors, although the secure server 110 may instead send the data to the remote monitor 114 to enable page generation at the remote monitor 114. The page may include a textual and/or a graphical indication of the status of the one or more hosts being monitored. To illustrate, a school nurse may have a remote monitor 114 with a page depicting each of the host monitoring systems 198A the remote monitor is monitoring. Each remote monitoring system 198A-198N may be associated with a student. In this example, the page may have the status information for each of the students, the most recent notification message for each of the students, a graphical or a textual indication that the student is within limits, or an indication that the student is above limits, and the like. Each student may be associated with a cell (a defined space on the display). As such, the nurse may quickly view the user interface and see the status of each of the students being monitored. A graphical indication may be used to visually convey the overall status of each student in each student's cell. For example, a so-

Abbott Ex. 1002 - 78/848

called "smiley" face icon may indicate the student's glucose levels are within limits and a so-called "sad" face icon may indicate the host's glucose levels are of concern because they are above a threshold. Moreover, in some example implementations, the page may be presented on a display, so that a selection (e.g., touch on a touch screen, mouse over, click, etc.) of a cell, notification or face icon results in additional information being provided to the remote monitor. For example, selecting a cell of a student may cause the remote monitor 114 to access the secure server 110 and then receive additional information, such as one or more of current and prior glucose levels, patient information, and the like, and update the display page or transition to a new display page that displays information about the selected student in more detail (e.g., displaying a trend graph of the student's glucose level over the past three hours). Although the previous example refers to glucose levels and specific types of messages and icons, other types of events, messages, and icons discussed herein may be used to convey the status of a host.

[0137] In some example implementations, the page discussed above may be configured as a so-called "dashboard" including dynamic content. For example, the icons for the host-patients requiring the greatest care or attention (e.g., the patients with glycemic levels that are extremely high or low) may be arrange in the top row of page to allow the remote monitor to quickly ascertain the state of riskier host patients. Although the previous arrangement described using the top row of the page to segregate some of the so-called riskier host-patients other segregation schemes may be used (e.g., different colors, intensities, and/or locations on the page). Furthermore, the page may be considered dynamic as the patients segregated for extra attention may change over time causing the page to depict different icons for different patients in the segregated top row of the page. Examples of dashboards are discussed in greater detail with respect to FIGS. 18A and 18B.

[0138] Designating remote monitors

Abbott Ex. 1002 - 79/848

[0139] In some example implementations, an entity, such as a user, may be designated by secure server 110 as a primary monitor. When this is the case, the primary monitor at remote monitor 114 may not be available due to for example a dead battery of the remote monitoring 114A, a device out of service, a lack of radio reception, and the like. A secondary monitor may thus be designated by secure server 110 to receive the notification message, which would otherwise be sent to the primary monitor. The secondary monitor may have access to another remote monitoring device 114 and thus receive the notification message, when the first notification message to the primary monitor is not received or acknowledged within a predetermined amount of time. The amount of time can be variable based on the severity or type of event. In addition to monitoring acknowledgements from the remote monitor 114, the secure server 110 may access the quality of service mechanisms at the notification service 112 to determine whether the remote monitor 114 device is not in service (e.g., due to a failure, a dead battery, out of range, or otherwise not accepting notification messages) to enable the secure server 110 to select another monitor that is in service.

[0140] Escalation

[0141] The remote monitor 114 may, in some example implementations, generate a message for presentation requiring some form of acknowledgement or action by the user of the remote monitor 114 (e.g., a primary or secondary monitor) to confirm receipt of a notification message. The acknowledgement or action may comprise responding to the notification message, opening a remote monitoring application at the remote monitor 114, and the like. Moreover, if the action is not performed within a predetermined amount of time, the secure server 110 may determine that the user of the remote monitor has not seen (or otherwise been notified by) the notification message. When this is the case, the secure server may escalate the notification message to another remote monitor as defined by one or more rules at the secure server. The secure server may also check the push notification service (or quality of service mechanism therein) to see if the notification message has

Abbott Ex. 1002 - 80/848

been delivered. If not, the secure server may determine that the user of the remote monitor has not seen the notification message and use this as a basis to escalate the notification message to another remote monitor.

[0142] In some implementations, the secure server 110 may include one or more rules defining an escalation sequence defining which notification messages should be sent to primary first remote monitor 114A and, given an out of service state, when the messages should be resent to one or more other remote monitors 114B-114M. During configuration of the remote monitors 114A-114M, the secure server 110 may be configured via user input (e.g., the host and/or one or more of the remote monitors) how and/or when each of remote monitors 114A-114M is to be notified in an escalation sequence. This escalation sequence configuration may be defined by a user or provided as a default setting (which may be reconfigurable or adaptable over time based on the responsiveness of the user/host/monitor) and may vary based on severity of the event and type of event. For example, the escalation sequence may define rules defining when to alert a host-patient at a receiver 102, when to escalate to a primary monitor at a remote monitor, when to escalate to a secondary monitor at a remote monitor, and/or when to escalate to an emergency medical service or 911-emergency response.

[0143] In some example implementations, the escalation rules may be different for each of the remote monitors 114A-114N and/or different from the thresholds set for the host monitoring system 198. For example, a first rule may define that if a glucose value exceeds a first threshold value, the secure server 110 should send an alert to first remote monitor 114A. The secure server 110 may include a second, separate rule that defines sending a notification message to a second remote monitor 114B when the glucose value exceeds a second threshold value, and yet another third rule that defines sending another notification message to a third remote monitor 114M when the glucose value exceeds a third threshold value. In addition, a rule may define sending a notification to more than one remote monitor, such as all remote monitors or a subset of the remote monitors monitoring a host. The rules

Abbott Ex. 1002 - 81/848

may be configured by a user (e.g., using receiver 102, gateway 104, workstation 22, etc.) or provided as default settings (which may be reconfigurable by a user).

[0144] Furthermore, if a user at the receiver 102 does not acknowledge an alert within a predetermined amount of time, an escalation sequence may also be implemented. For example, referring to FIG. 2A, the secure server 110 may determine (e.g., by monitoring sensor data received from receiver 102 and knowing the thresholds on the receiver) that receiver 102 alerted (or should have alerted) host 199, where the alert required an acknowledgement. The acknowledgement can be in the form of a user responding to a message presented on a user interface 122 of receiver 102, or the user otherwise curing the alert, such as taking an action that can be measured by a device associated with the host-user (e.g., medicament pump 2 indicating that insulin has been administered to the user, an analyte measurement indicating that the underlying cause of the alert is no longer a problem because measured level above a threshold or trend moving in a desired direction, etc.). In this example, if the secure server 110 does not receive some form of acknowledgement and/or an indication of the underlying event that triggered the alert is cured after waiting a predetermined amount of time, the secure server 110 may resend the alert and/or send a notification message to a primary remote monitor, a secondary remote monitor, and/or an emergency medical service. And, this escalation, including the retries and delay, may be configured at the secure server 110 to vary based on the severity and/or type of event triggering the alert.

[0145] Reminders

[0146] In some example implementations, the secure server 110 may include rules providing a so-called "follow-up" reminder. For example, if a host-user at receiver 102 has not taken an action, such as take insulin, drink a glass of juice, etc., the secure server 110 may send a reminder notification to the remote monitor 114 and/or to the receiver 102 and/or gateway 104 after a predetermined amount of time. The predetermined amount of time and which of the one or more of

Abbott Ex. 1002 - 82/848

remote monitors 114A-114M, receiver 102, gateway 104 associated with a reminder may be configurable and may vary based on severity of the event and/or type of event.

[0147] Furthermore, in some implementations, the secure server 110 may re-send notifications repeatedly (e.g., every 5 minutes or any other time) to remote monitor 114 and/or receiver 102 until the receipt of the notification message is acknowledged. In some example implementations, the secure server 110 may configure different alarm types to be triggered by the receiving device (e.g., remote monitor 114 or receiver 102) as each re-send is sent to the receiving device (e.g., successively increasing volume, brightness, or vibration with each repeated, unacknowledged notification message, or triggering a vibratory alarm with a first reminder and a vibratory alarm with a second reminder, etc.). Opening a message from the secure server 110 at receiving device may serve as an acknowledgment, as well as other actions detectable by the secure server.

[0148] In some example implementations, a user designated as a primary monitor may signal to secure server 110 an inability to provide monitoring by sending a message to secure server 110 and/or receiver 102, using, for example, remote monitor 114A or workstation 22. When this is the case, the secure server 110 may demote the primary monitor to a secondary (or backup monitor) and promote one of the secondary monitors to a primary monitor. The secure server may have rules defining which of the secondary monitors may be promoted or each of the secondary remote monitors may be polled to assess availability to assume the role of primary remote monitor. And, the secure server 110 may send a message (via notification service, for example) to the secondary monitor that has been promoted to a primary monitor that it has been designated as a primary monitor (and send a corresponding message to a demoted primary monitor).

[0149] To assure quality of service with respect to the receipt by the remote monitors of notification messages, one or more operations may be performed to mitigate the potential loss of a notification message sent to remote monitor 114. For example, if notification service 112 comprises a

Abbott Ex. 1002 - 83/848

push notification service (e.g., Apple Push Notification Server, Google Cloud Messaging Server, and the like) and the notification service cannot be contacted (or a connection cannot be established between secure server 110 and notification service 112), the secure server 110 may send notification via another mechanism, such a separate a short message service (SMS) message directly to the remote monitor 114, a phone call, an email, or any other mechanism to establish contact with the remote monitor(s) and/or the users associated with those remote monitoring devices.

[0150] Registration/invitations for remote monitoring

[0151] As noted above, in some example implementations, the devices used at system 100 may be required to register with the secure server 110. To illustrate with respect to FIG. 2B, the receiver 102 (which may be implemented on a processor-based wireless device, such as a smart phone or a tablet computer) may send a message via the public land mobile network or other network(s) to invite remote monitor 114 to accept a connection establishment request from secure server 110. If accepted, remote monitor 114 may be provided with notification messages for events associated with receiver 102 and access to sensor data and reports associated with host 199. Although the previous example describes the receiver 102 sending an invite to remote monitor 114, other devices, such as secure server 110, gateway 104, user communication device 105, workstation 22, and/or remote monitor 114, may send invitations as well or instead, depending upon the implementation.

[0152] In some example implementations, the receiver 102 may send a plurality of invitations to a plurality of remote monitors 114A-114M. Moreover, the invitations may be managed by the receiver 102, gateway 104, user communication device 105 and/or secure server 110, so that at any given instant of time, a user can monitor the status of invitations, such as how many invitations have been sent, how many have been accepted, how many have been rejected, and the identity of any primary and secondary remote monitors. For example, receiver 102 gateway 104, user communication

Abbott Ex. 1002 - 84/848

device 105 and/or secure server 110 may manage the invitations, so that at any given instant, a quantity of remote monitors 114A-114M does not exceed a threshold amount (e.g., 5 or 10 remote monitors).

[0153] Moreover, the receiver 102, gateway 104, user communication device 105 and/or secure server 110 may also manage the quantity of remote 114 monitors based on location and/or time, so that a host-user has a predetermined quantity of remote monitors 114 at any given location and/or any given time.

[0154] In some example implementations, a host 199 or caretaker of host may manage the status of invitations (e.g., invitation sent, invitation accepted, monitoring cancelled, and the like) via receiver 102, gateway 104, user communication device 105 and/or secure server 110. For example, one or more user-interactive pages may be presented on a computer display (e.g., of receiver 102, gateway 104, user communication device 105, or workstation 22, etc.) including the status of the invitations (e.g., whether invitation pending, denied, or accepted). These one or more pages may be configured to allow changes to the rules associated with the remote monitors 114A-114M. For example, changes may be made to the rules used to trigger notification messages, the designation of primary monitors (including time and location designations), the designation of secondary monitors (including time and location designations), the escalation sequence and escalation threshold settings, and the like. In addition, the page(s) may provide a list of remote monitors from which a user can designate primary and secondary remote monitors and send invitations to any selected monitors. The page(s) may allow configuration of permissions, such as whether a remote monitor 114 is authorized to receive one or more of notification messages, authorized to view patient data (e.g., sensor data including current and/or past data), and the like.

[0155] FIG. 12 depicts an example invitation page 500 presented at a remote monitor 114 in the form of an email message. In this example, a user, "John Doe," associated with a sensor system 8 and receiver 102 has invited remote monitor 114 to be a monitor as indicated by the invitation at 502.

Abbott Ex. 1002 - 85/848

Moreover, the invitation may include instructions for the remoter monitor, which in this example includes clicking on a link at 504 to allow a download of the remote monitor application code from secure server 110 or another server (e.g., iTunes server operated by Apple, Inc.) and accepting the invite at 506 (which sends an acceptance message to secure server 110). The remote monitor may also be given the option to not accept the invitation to monitor by selecting a user-selectable decline icon 508, which may notify secure server 110 of the decline indication.

[0156] To register an invited remote monitor 114 with the secure server 110, the remote monitor and the receiver 102 may each input a value, such as a code, a shared secret, a link (e.g., a uniform resource locator), a password, or a combination thereof, to allow connection establishment and thus enabling remote monitor 114 to receive notification messages for events associated with receiver 102 and to have access to sensor data and reports at secure server 110. Moreover, a user, such as host 199, may access an Internet browser using workstation 22 of FIG. 1, for example, to access secure server 110 and login to view and manage the one or more devices granted remote monitoring privileges.

[0157] In some example implementations, one or more of the devices of remote monitoring system 100 (e.g., remote monitor 114, receiver 102, gateway 104, user communication device 105, or workstation 22) may need a code, such a prescription code provided by a health care provider, in order to register with secure server 110. The code may expire after a predetermined time and/or may be limited to a predetermined number of uses (e.g., a single use code that can be used once to register with secure server 110 to obtain a remote monitor code). Furthermore, the code may also define at the server 110 a configuration for the device being registered as a remote monitor 114, such as permissions (e.g., whether can receive notifications, view past sensor data and/or view current sensor data) of and/or alert settings associated with the remote monitor.

Abbott Ex. 1002 - 86/848

[0158] In some example implementations, the secure server 110 may have configuration information defining the identity of the receiver 102 and remote monitor 114, so that a user, such as host 199, may access secure server 110 and then add one or more devices, such as receiver 102 and remote monitor 114 to the user's system. The remote monitor 114 may query secure server 110 to obtain information regarding which hosts (or receivers) the remote monitor is allowed to monitor and the secure server can configure the remote monitor 114 accordingly. In some example implementations, the notification messages sent to the remote monitor(s) may be configured to suit the needs of a given remote monitor-user and these needs may be different from the needs of the host-patient. Accordingly, the rules dictating the sending of a notification message to remote monitor 114 may be different from a rule used to trigger an alert to the receiver 102 being used by the host-patient.

[0159] The following provides an illustrative example of a caregiver using remote monitor 114 as part of host-patient care with reference to FIG. 2A. Specifically, the caregiver may be administering an analyte therapy to the host-patient. For example, the caregiver may be a parent of a young child. In this example, a parent may want to receive notification messages, which are identical to the alerts, sent to the receiver 102 (or triggered by the receiver) and host-patient (which in this example is a child). Moreover, the secure server 110 may obtain the receiver 102 settings through the gateway 104. During the configuration of the remote monitor 114, the secure server 110 may prompt the parent to select a set of rules that are identical to those being used by the child's receiver. In this example, any subsequent changes made to the set of rules being used for the child's receiver would be programmatically propagated to the set of rules being used to send notifications to the parent's remote monitor 114. Although the previous example described the same set of rules being used from the host and monitor, the host and monitor may implement different rules as well.

[0160] The following provides another illustrative example of a host-patient administering treatment but in this case, the host-patient or caregiver may not want a high degree of oversight of the

Abbott Ex. 1002 - 87/848

host-patient. To that end, the caregiver at remote monitor 114 may want the host-patient to receive an alert first, but allow the patient-host time to act on the alert to correct or acknowledge the event prior to an alert being sent to the caregiver. As an example, an alert triggered by the receiver 102 may indicate a hypoglycemic or hyperglycemic event, and if after a certain period of time the host-patient has not taken one or more predetermined action(s) to remediate the event (as evident by subsequent glucose measurement indicating the same or worsening patient state, for example), the caregiver at remote monitor 114 may receive a notification message responsive to the event. That is, if a patient-host using receiver 102 does not respond or acknowledge an alert in a predetermined manner, the caregiver at remote monitor 114 may then receive a notification message. The caregiver at remote monitor 114 may thus receive a notification message when the host patient at receiver 102 fails to respond to, or acknowledge, certain, real time events, such as a low glucose event (which may be considered severe as the host-patient may be incapacitated or unaware of the event so a notification to the remote monitor is in order). However, the secure server 110 either delays sending reminders or stops sending reminders responsive to a notification message if one or more predetermined occurrences are identified by the secure server. The one or more predefined occurrences can be curing the underlying event triggering the alert, acknowledging the alert or taking a defined action, such as administering insulin and the like (which causes data to be sent to the secure server a remote monitor.

[0161] Further, the secure server 110 may be configured with a delay to wait for an acknowledgement or action before notifying the remote monitor 114, and this delay may vary based on the type and/or severity of the condition causing the alarm, and vary depending upon default or user configured settings of the remote monitor. In addition, the secure server 110 may be configured to also monitor data from the receiver 102 even after an acknowledgement message is received from the receiver 102 in response to an alert. For example, the secure server 110 may receive the acknowledgement message (which may be a message sent by receiver 102), but secure server 110 may

Abbott Ex. 1002 - 88/848

wait a predetermined time for sensor data from the receiver 102 confirming that the host-patient has indeed taken action. Again, this delay may vary based on the type and/or severity of the condition causing the alarm.

[0162] The following provides yet another illustrative example of a host-patient administering treatment but in this case, the host-patient is highly independent so the remote monitor may only be triggered in an emergency. For example, the secure server 110 may include a rule to trigger a remote monitor in the case of an emergency, such as a severe hypoglycemia event occurring at night. In this scenario, the host-patient may not be able to respond to the alert of the event, so the secure server 110 may trigger a notification message if the glucose falls to an extremely low level for a period of time or the user does not respond after a period of time to the very low glucose alert sent to receiver 102. And, the period of time may be varied based on the type and/or severity of the condition causing the alarm.

[0163] The following provides another illustrative example of a host-patient that is highly independent but is hypoglycemia unaware and has no trusted sources for emergency response. In this use case, the host-patient may select a remote monitor 114 associated with an emergency medical service so as to automatically notify the service in the event of a severe hypoglycemic event when the glucose falls to an extremely low level for a period of time or the user does not respond after a period of time to the very low glucose triggered by receiver 102.

[0164] Managing remote monitor alert settings

[0165] In some example implementations, a user may manage the alerts for each of remote monitors 114A-114M monitoring a host199. For example, the host 199 can use host monitoring system 198 to invite remote monitor 114A to be a monitor and configure the permissions at secure server 114 using receiver 102, gateway 104 (including host communication device), or workstation 22. The permission may be specific to one or more certain alerts or global in the sense that all the alerts for

Abbott Ex. 1002 - 89/848

remote monitor 114A may be manipulated by the user. Although the previous example describes the permissions being set by a user, the permissions may be determined programmatically as well.

[0166] To manage alerts, a user may access secure server 110 using a computing device, such as remote monitor 114, receiver 102, gateway 104, host communication device 105 or workstation 22, and manage the alerts by for example setting alerts, changing thresholds, turning alerts on or off, and the like. FIG. 13 depicts an example page 600 that may be presented on a display of the host computing device. The page 600 may allow changes to alerts for a certain remote monitor 114A. In the example of FIG. 6, a low glucose alarm 602 may be turned on 610, and the threshold 604 that defines the threshold configured by the user. FIG. 6 also depicts that delay 606 may be managed using page 600 as well. For example, the delay 606 may define how long the secure server 110 waits before sending a notification message from the secure server (via notification service) to the remote monitor 114A if the host's glucose concentration remains below the low threshold. In this example, the delay is zero seconds, but can be changed using page 600 to be another amount of time, such as 5, 10, 15 or 30 minutes, or an hour. Page 600 also allows secure server 110 and/or notification service 112 to trigger sending reminders 612 and vary a time 606 associated with triggering the reminders. For example, the reminders represent the amount of time that elapses before the secure server 110 triggers another notification to remote monitor 114A if remote monitor has not acknowledged the alert or if the host has not cured the event that originally triggered the alert. In this example, if a user fails to acknowledge an alert or take corrective action within 30 minutes after an original notification responsive to a reading below 70mg/dl, the secure server 110 sends another notification regarding the low glucose level to the remote monitor 114A. Although the example described with respect to FIG. 6 refers to a low glucose value, a delay, and a reminder, any other aspect of the alerts for a remote monitor 114 described elsewhere herein can be likewise managed as well, such as high glucose level alerts, high rate of change alerts and the like.

Abbott Ex. 1002 - 90/848

[0167] In addition, while the above description with respect to FIG. 6 refers to managing alerts for a remote monitor 114, a similar page can be used by receiver 102, gateway 104 or host communication device 105 to manage alerts triggered by host communication device in the implementations of FIGS. 2a-2C. As an example, host communication device 105 can display page 600 for managing alerts by host communication device independent from receiver 102. In this way, host communication device 105 can function as a secondary alert device for host 199.

[0168] In some implementations, a user may modify one or more rules defining alerts representative of events associated with the analyte state of the host. A user may use a computing device, such as remote monitor 114, receiver 102, gateway 104, host communication device 105, or workstation 22, to modify the alert settings, such as low glucose level thresholds and the like, of the host monitoring system 198. In this way, a parent, for example, can modify the settings of their child's remote monitoring system 198.

[0169] Although the previous example refers to modifying low glucose alarms, the modification may include varying a first threshold associated with a low level of glucose at the host, varying a second threshold associated with a high level of glucose at the host, varying a delay between when the message is triggered by the receiver 102, varying a time value between when a reminder message is sent, and any other alert that may be triggered for a host monitoring system 198 or remote monitor 114.

[0170] Moreover, the secure server 110 may adapt the set of rules used for a host-patient. For example, the set of rules for a remote monitor 114 may be predetermined based on some basic host-patient demographics. After initial use of remote monitoring system 100, secure server 110 may programically adjust thresholds used to trigger some or all events. These adjustments may be made for a variety of reasons. For example, thresholds, such as glucose levels, glucose rates of changes, and the like, used to determine when to trigger an event may be adjusted to reduce the frequency of some alerts

Abbott Ex. 1002 - 91/848

and/or notifications as a remote monitor 114 receiving too many messages may decide to ignore the messages. The thresholds may also be adjusted to tighten the range of a patient's glucose variation during the day in order to decrease the variability in a host's day-to-day glucose variability.

[0171] In some example implementations, data management tools and CGM analyses may be used to help patients better manage their diabetes or assist clinicians in enhancing recommendations. As CGM data (and/or analyte data) may be provided to secure server 110 in about real time, the data may be used by case managers in payer systems and/or medical systems to enhance ongoing diabetes management. However, it may be impractical for a diabetes case manager to review the resulting so-called "big data." As such, filters may be used to allow exception based reporting of use or glycemic patterns to promote efficient use of the case manager's time by identifying specific issues. To that end, one or more patterns may be defined at the secure server to identify the issues requiring the attention of the case manager. The patterns may include longitudinal analysis or comparisons between time periods. These patterns may also identify high-risk patients, such as those with frequent or severe lows, frequent or severe highs, and/or marked glucose variability. This may be considered particularly important for use with patients on intensive insulin therapy, with hypoglycemia unawareness, poor control, those new to insulin, and the like. The patterns may also identify therapy non-responders identifying, such as those with sustained hyperglycemia, suggesting non-response to therapy or worsening of control, suggesting non-adherence, disease progression, or tachyphylaxis. This may be considered particularly useful when new medicaments are added or therapy is optimized. The patterns may also identify responders or non-responders linked to diabetes education or by particular providers or consultants.

Abbott Ex. 1002 - 92/848

[0172] In some example implementations, additional performance information may be gathered at the secure server 110 from patients at a plurality of locations. This additional information may be used to evaluate environmental factors that could influence and affect the sensor's performance. Rather than gathering and analyzing information solely from a single host-patient, data may be gathered at the secure server and then compared on a macro level spanning across a plurality of host patients and/or across a plurality of geographic locations (or regions). In essence, the sensor system's 8 overall effectiveness may be evaluated based upon various environmental factors being monitored. For example, data gathered in real time from across the United States or even the World may show if temperature, humidity, altitude, or the like influence the sensor system's 8 performance and thus provide an indication as to whether the sensor system 8 and/or sensor 10 should be replaced or repaired. Moreover, the secure server 110 may also process received sensor information and identify patterns (e.g., by lot number, region, or the like), and additional algorithms, calibration information or fail-safes may be uploaded based on these identified patterns to improve the sensor accuracy and/or performance.

[0173] In some example implementations, the secure server 110 may programmatically track product performance and utilization of a sensor system including sensor 8 and/or receiver 102. For example, the sensor system and/or receiver may programmatically provide to secure server 110 information identifying the sensor (e.g., lot number) and summarizing its performance. The performance metrics may include accuracy, on time, data capture, and the like. Moreover, if one or more sensor performance metrics fall outside of an expected range, then secure server 110 may request additional information to be transmitted from the sensor system/receiver to the secure server to allow classification of the failure mode. For example, the secure server 110 may send alerts and/or notifications to receiver 102, gateway 104 and/or remote monitor 114 that the sensor system 8 and/or receiver 102 needs to be maintained (e.g., replaced, repaired, calibrated, and the like) based on

Abbott Ex. 1002 - 93/848

determined performance information. And, the secure server 110 may also be configured to send, based on the performance information, alerts or notification messages indicating that the sensors requires a reset, a new calibration value is needed, or a new sensor should be ordered. The data provided to the secure server 110 may be configurable and stored at a repository coupled to the secure server 110.

[0174] Moreover, sensor system tracking by the secure server may include tracking the performance of the receiver's wireless interface. For example, if a hardware error (or any detected error condition) occurs, information related to the error may be transmitted to the secure server 110. The data transmitted may also be used to track feature utilization, which may include alert settings, number of screen visits, and the like. In addition, this data may be used to collect and manage data during clinical studies. Furthermore, the sensor data transmitted to the secure server 110 may also be expanded to tracking of patient performance of glycemic control. When this is the case, performance metrics may include the "time spent" in different glucose ranges, amplitudes of glycemic excursions, insulin dose information, and the like. For example, during a continuous glucose monitoring (CGM) session, data may be automatically transmitted to a secure server 110 and/or a coupled repository accessible to the host-patient and/or the patient's clinical care provider. Accordingly, the above-noted automatic tracking of product performance and classification of failure modes may, in some example implementations, provide more accurate information regarding product performance, facilitate resolving sensor issues experienced by patients, and automate product replacement (or shipment) when the sensor performance is deemed ready for replacement.

[0175] In some example implementations, the secure server 110 may provide a closed control loop. Specifically, secure server 110 may send a message to receiver 102, which responds to secure server 110. Moreover, secure server 110 may send messages to remote monitor 114, which responds to secure server 110. Accordingly, secure server 110 may request an action from receiver

Abbott Ex. 1002 - 94/848

102 and/or remote monitor 114, and receive acknowledgement from receiver 102 and/or remote monitor 114, when the action is completed, forming thus a closed loop. The receiver 102 may include one or more aspects of the functions provided by the remote monitor 114, and remote monitor 114 may include one or more aspects of the functions provided by the receiver 102.

[0176] Example host monitoring system set-up process 1000

[0177] FIG. 10 is a flow chart depicting process 1000 for setting up host monitoring system 198 in accordance with some implementations. For illustrative purposes, the setup process 1000 will be discussed with reference to the remote monitoring system architecture illustrated in FIG. 2C, although it is understood that setup process 1000 can be applied to the architecture of FIG. 2A or FIG. 2B with changes to accommodate the differences of architectures.

[0178] Additionally, for further ease of understanding, the following components of FIG. 2C are used in one example of process 1000: the sensor system 8 and receiver 102 make comprise a DexCom G4 Platinum continuous monitoring system, available from DexCom, Inc., where the sensor 10 is a DexCom G4 sensor, the sensor electronics module 12 is a DexCom G4 transmitter, and the receiver is the DexCom G4 receiver; the receiver 102 is docked in the docking station 103 as illustrated and discussed with reference to FIG. 7B; the host communication device 105 comprises an Apple iPhone available from Apple, Inc.; and each remote monitor 114A-114M comprises an Apple iPhone or other mobile phone having an iOS® (commercially manufactured by Apple, Inc.), Android® (commercially manufactured by Google, Inc.) or Windows® (manufactured by Microsoft, Inc.) based mobile operating system.

[0179] At block 1000, a user downloads a host monitoring application on to the host communication device 105. (It is understood in the host monitoring application can be downloaded onto gateway 104 the implementation of FIG. 2A or downloaded onto receiver 102 in the implementation of FIG. 2B the host monitoring application can be, for example.) In some

Abbott Ex. 1002 - 95/848

implementations, the host monitoring application is downloaded from a server, which can be independent (e.g., operated by a different entity) of secure server 110, such as the Apple App server operated by Apple, Inc. However, in some implementations, the host monitoring application is downloaded from server 110. The host monitoring application comprises instructions for the host communication device 105 to perform the host communication device functions described herein, such as gathering sensor data from the receiver 102 via the docking station 103, transmit the sensor data to the secure server 110, manage alerts of host monitoring system 198, inviting users to become remote monitors of host, manage remote monitor settings, pairing with the docking station 103 and/or receiver 102, and the like.

[0180] Once the host monitoring application is downloaded to the host communication device 105, a user can open the application (e.g., by selecting an icon associated with the host monitoring application on a home screen of the host communication device) and uses the application to create an account at block 1012. In addition to storing account information on the host communication device 105, the account is created and stored on secure server 110. In some implementations, creating the account includes entering user identifying information, such as name and email address, a password, and a unique identifier associated with the receiver 102, such as the receiver's serial number. As discussed below in block 1016, the receiver's serial number can be used for pairing the receiver 102 and/or docking station 103 with the host communication device 105, as well as other functions.

[0181] FIG. 9 illustrates an exemplary page 900 host monitoring application can display to a user at the account setup block 1012 to facilitate entry of the serial number of the receiver 102 or other unique identifier. Here, the page 900 is an illustration of the location of the serial number to aid the user in finding the serial number of entry. Page 900 also provides an alphanumeric entry field where the user can select to manually enter the serial number. In addition, page 900 provides

Abbott Ex. 1002 - 96/848

selectable icons 902 and 904 that allow the user to take a photo of the serial number using a camera of the host communication device 105 and scan in the serial number using a bar code scanner of the host communication device 105, respectively.

[0182] At block 1014, the user uses the host monitoring application to manage alert settings for the host communication device 105. The host application can initially present default alert settings, where the user can modify the default user settings using the user interface of the host communication device 105. In some implementations, the alert settings comprise repeating one or more alerts on the receiver 102. This way, the host communication device 105 can amplify (e.g., trigger a different type of alarm than the receiver, such as a louder alarm) and/or echo alarms of the receiver (e.g., only sounding the alarm after a predetermined amount of time from the alarm of the receiver if the event triggering the alert on the receiver has not been cured). The alert settings can also include turning off or on alerts for various events.

[0183] The user pairs the host communication device 105 with the docking station 103 at block 1016. In some implementations, to pair the host communication device 105 with the docking station 103, the user powers on the docking station and connects the receiver 102 to the docking station. At this point, the host communication device 105 and the docking station 103 begin a pairing and authentication procedure.

[0184] In some implementations, the docking station 103 does not have a display and thus conventional pairing and authentication procedures may not be adequate. Thus in some implementations, receiver 102 provides a serial number to the docking station 103 and a user enters the receiver serial number into the host communication device 105. The host communication device 105 can then transmit the serial number (or encrypted version of the serial number) to the docking station to establish an authenticated communication channel.

Abbott Ex. 1002 - 97/848

[0185] The following pairing and authentication procedure may be used in some implementations. In response to the receiver 102 being docked to the docking station 103, the docking station derives an authentication token from the receiver's serial number (which the receiver transmits to the docking station) and puts it in a Generic Attribute Profile (GATT) characteristic. The docking station 103 then broadcasts a general advertisement to bond. The host communication device 105 device looks for the advertisement. After discovering the docking station 103, the host communication device 105 connects and performs a service discovery. The host communication device 105 then attempts to read the GATT characteristic mentioned previously. The docking station 103 responds with an insufficient authorization message (pairing and encryption is required). The host communication device 105 then prompts the user to pair with the docking station 103. Both the docking station 103 and the host communication device 105 compromise a long term key to use for encryption and are then paired. The host communication device 105 then reads the token from the characteristic mentioned above, and using this characteristic, verifies the authenticity of the docking station 103. The host communication device 105, which has previously derived its own token from the receiver serial number entered previously into the host communication device in block 1012, writes this token to a GATT characteristic in the docking station 103. The docking station 103 then uses this token to verify the authenticity of the host communication device and, if authentic, enters a persistent bonded state.

[0186] Using the above-mentioned pairing and authentication process, if the two devices (receiver 102 and docking station 103) are disconnected at any point, the docking station 103 directs an advertisement for connection.

[0187] At block 1018, the user uses the application on the host device 105 to invite remote monitors 114. Here, the application may prompt the user for identifying information of a potential user of a remote monitor, including a name and email address accessible from a device capable of being a

Abbott Ex. 1002 - 98/848

remote monitor 114, such as a mobile smart phone or tablet computer. In addition, the application can prompt the user for permissions that the user wants the remote monitor 114 to have, such as permission to view trend graph data, and alert settings that the user wants the remote monitor 114 to have. Once finished, the application sends an invitation to the remote monitor 114, with the information in the invitation, such as identifying information, permissions and alert settings stored on secure sever 110. The user can invite additional remote monitors using the above described invitation procedure. In some implementations, the application can include a page that lists the status of all invitations sent by the user.

[0188] Note that process 1000 can be implemented using a setup wizard implemented by the host monitoring application on host monitoring device 105 to guide the user through the setup process 1000.

[0189] Example of Remote Monitor Set-up Process 1600

[0190] FIG. 16 is a flowchart of an exemplary process of remote monitoring using remote monitor 114. Similar to process 1000, FIG. 16 will be described for illustrative purposes only with respect to the remote monitoring system 100 architecture of FIG. 2C.

[0191] At block 1610, a user receives on a computing device, such as a smart mobile phone, an invitation to become a remote monitor. An example invitation is illustrated and discussed in more detail with respect to FIG. 12. In some implementations, a user receiving the invitation can either accept or deny the invitation by selecting an accept icon or deny icon, respectively, in the email. Denying the invitation ends process 1600, whereas accepting the invitation moves process 1600 to block 1620.

[0192] At block 1620, the invitation programically directs the user via the user's computing device to download a remote monitoring application, if the user accepts the invitation. In some implementations, accepting the invitation at block 1610 programically triggers the user's computing

Abbott Ex. 1002 - 99/848

device to automatically access a server carrying the remote monitoring application. The server can be the App Store operated by Apple, Inc. in the case that the user's device is an Apple mobile device. The user then downloads the remote monitoring application onto the computing device.

[0193] Note that in some implementations, the user of the remote monitor 114 need not register with secure server 110, as the secure server already has the user's account information from when the invitation was formed in block 1012 of process 1000 (FIG. 10).

[0194] At block 1630, the user manages alert settings using the remote monitoring application downloaded on the computing device (now considered a remote monitor 114). The alert settings can initially be set at recommended alert settings set by the person that sent the invitation at step 1012 in process 1000 (or default settings in the case the person sending the invitation did not enter any recommended settings) in some implementations. The user of the remote monitor 114 can then modify any of the recommended or default settings. The settings can include setting threshold values for when to trigger an alert to the remote monitor, delays, reminders and no data alert settings, discussed in more detail elsewhere herein. The remote monitor 114 may then transmit the settings of the remote monitor to the secure store for storage and use when triggering alerts associated with the remote monitor.

[0195] At block 1640, the remote monitor 114 monitors hosts' analyte levels as permitted. The monitoring can include monitoring a plurality of hosts using the remote monitor, as discussed in more detail with respect to FIG. 1. The monitoring can include receiving notifications triggered by secure server 110 and sent via notification service 112 and viewing sensor data accessible from secure server. For example, in some implementations, a user can activate the remote monitoring application on remote monitor 114 to view a dashboard page of a plurality of host's glucose levels.

[0196] Example Invitation to become remote monitor

Abbott Ex. 1002 - 100/848

[0197] As discussed above in block 1610 of FIG. 16, a user can receive an invitation to remotely monitor host 199. In some implementations, the invitation is the form of an email, such as that depicted in FIG. 12. The user can accept or deny the invitation using the email. The user can accept the invitation by indicating that the user wants to install the remote monitoring application by selecting selectable text 504, or deny the invitation by selecting selectable text 508. If the user denies the invitation, then the remote monitoring system 100 can notify the host that sent the invitation of the denial by sending a notification via server 110 and/or notification service 112 to communication device 105, for example. However, if the user accepts the invitation, then the remote monitoring system 100 can notify the host of the acceptance by sending a notification via server 110 and/or notification service 112 to communication device 105, for example, and process 1600 continues to block 1620.

[0198] In some implementations, a receipt accepting the invitation automatically sets up a remote monitoring account on server 110. That is, the recipient need not log in and create an account, as the host provided account creation information (recipient name, email, phone number and the like) for the recipient when generating the invitation. Further, the host can include a picture of the host during the invitation creation process so that the invitation includes a picture of the host in the vitiation sent to the recipient (which can help the recipient know the invitation is valid) and the picture of the host can be used as the picture of the host in the remote monitor (such as on a dashboard as discussed with reference to Fig. 18A and 18B and elsewhere).

[0199] The invitation can include a single use token which the recipient of the invitation can use to accept the invitation without requiring the recipient to log into the remote monitoring system, in some implementations. The toke can be in the form of a Globally Unique Identifier (GUID). The invitation may also include a timestamp of when the invitation was sent and when the invitations expires.

[0200] System Status View

Abbott Ex. 1002 - 101/848

[0201] In some implementations, a user of remote monitoring system 100 may not readily know if the remote monitoring system 100 is working or why the system may not be working. For example, in the implementation of FIG. 2B, a host 199 may not realize that data is not being transmitted from the sensor system 8 to the server 110, or even if the host realizes that data is not being transmitted, the host my not recognize where the problem lies so that data transmission can resume. Accordingly, some embodiments provide a system status page the help a user understand if the system is working correctly, and, if not, what the source of the problem may be.

[0202] FIGS. 11A and 11B are exemplary views of a status page 1100 in accordance with some implementations. Status page 1100 includes a status bar 1110 that includes representations of various components of remote monitoring system, which in this example, includes docking station 1114, host communication device 1118 and server 1112, and the communication channels between each of the components, such as a near-filed wireless communication (Bluetooth®) channel between the docking station and the host communication device, and a communication channel (e.g. Wi-Fi or cellular) between the host communication device and the server 1112. The status bar can indicate where connections are working and where connections are not working. For example, if a connection is determined to be working, then the connection can be graphically displayed in a first state, and if the connection is not working then the connection can be graphically displayed in a second, different state. The first state and the second state can be, for example, a different color (e.g., green if working, red if not working) and the like. Further, each portion of the status bar, 1114, 1116, 1118, 1120 and 1122 can be user selectable, where if a user selects a particular portion, the host monitoring application can display help information (in the form of a pop-up message or new display screen, for example) that can help a user resolve issues associated with the portion selected by the user. For instance, if the user selects the docking station icon 1114, the remote monitoring application can display a message asking the user to make sure the docking station is plugged in, for example.

Abbott Ex. 1002 - 102/848

[0203] Status page 1100 can also include a character icon 1132 that displays an overall status of the system. In the example of FIGS. 11A and 11B, the character icon 1132 is in the form of a monster holding a sign. The appearance of the character icon 1132 can change based on the status of the system so a user can quickly determine the status by viewing the character icon. For instance, character icon 1132 can have a smiling expression and holding a sign with a check mark to indicate the system is working and transmitting sensor data, as illustrated in FIG. 11A. In contrast, the character icon 1132 can have a frowning expression and holding a sign with an X to indicate the system is not working, as illustrated in FIG. 11B. The eyes of the character icon 1132 can also help indicate to a user if the system is working, such as the eyes blinking if host monitoring application is working, or the eyes not blinking if the eyes aren't blinking. The blinking of the eyes can also correspond to the transmission rate between the docking station 103 and the host communication device.

[0204] Host monitoring application can also display a status tab 1124 on status page 1100 and any other pages displayed by host monitoring application, as illustrated in FIGS. 11A and 11B. Status tab can be part of a menu that includes a plurality of different selectable tabs associated with different display pages of the host monitoring application that, when selected, display the associated display page The tabs in FIGS. 11A and 11B additionally include a follower tab, 1126, account tab 1128 and more tab 1130. Notably, the status tab can always display an indication of the connection state of the system, such being displayed in green and with a check mark, as illustrated in FIG. 11A, if the system is working, or in red and with an X, as illustrated in FIG. 11B, if the system is not working. The status tab can be displayed regardless of the current page being displayed, thereby providing the user with an indication of the status of the system regardless of the page being displayed.

[0205] In some implementations, host monitoring system 198 may be configured to periodically send messages to server 110. If the server detects a lack of messages from the host monitoring system 198for a predetermined amount of time, then the server can trigger a notification to

Abbott Ex. 1002 - 103/848

be sent to the host monitoring system (such as receiver 102, gateway 104 or host communication device 105) notifying the host of the lack of messages so that the host can check to determine if the host monitoring system is working, using for example status page 1100.,

[0206] Host Monitoring Control Pages

[0207] Host monitoring application can also include various display pages that allow the user to view statuses of remote monitors and configure permissions and settings associated with remote monitors.

[0208] FIG. 14 illustrates an overview page 1400 in accordance with some implementations. Over view page can include a plurality of cells 1402a-1402e, each cell associated with a remote monitor or potential remote monitor. Each cell can include a name 1410a -1410e associated with the remote monitor for identification purposes. The cells 1402a-1402e can also be displayed according to a status of the remote monitor. For example, cell 1402a is grouped under a removed by remote monitor (referred to as a follower in FIG. 14) status 1404a, cell 1402b is grouped under an expired invitation status 1404b, cell 1402c is grouped under an active status 1404c, cell 1402d is grouped under an invited status 1404d, and cell 1402e is grouped under a not sharing status 1404e. Not that a plurality of cells can be displayed under each group; FIG. 14 merely illustrates one cell for ease of explanation of the different statuses.

[0209] Page 1400 also includes a selectable help icon 1406a-1406e associated with each group status. By selecting a help icon, the host monitoring application can provide further information to a user that explains what the associated status involves. The help information can be displayed in a pop-up window for example.

[0210] Icons can also be displayed in in a cell that illustrate permissions and/or enabled functions associated with that remote monitor. For instance, icons 1412 and 1414 indicate that remote

Abbott Ex. 1002 - 104/848

monitor associated with cell 1402c has notifications enabled and has permission to view trend graph information associated with the host being monitored.

[0211] Selectable tabs can also be provided in each cell. For example, FIG. 14 illustrates removal tabs 1408a and 1408b that remove the cell from the page when selected by a user. Arrow tabs 1416c-1416e can be used to provide further information about the remote monitor associated with that cell. For example, selecting a selectable arrow 1416 can cause the host monitoring application to transition to settings display page that provides more detail about the associated remote monitor and the remote monitor's settings.

[0212] An exemplary settings display page 1500 is illustrated in FIG. 15 in accordance with some implementations. Settings display page 1500 can include identification information, such as a name 1502 and email address 1504 associated with the remote monitor, permissions of the remote monitor and notification settings of the remote monitor. In the example of FIG. 15, the permissions can include a trend graph permission 1504 tab that a user can use to toggle between allowing and denying. If permitted, remote monitoring system 100 allows that remote monitor to view trend graph information of the host 199 and, if denied, then the remote monitor cannot view the trend graph information of the host. Notification settings allow the user of host monitoring application to view the current notification settings of the associated remote monitor. The notification settings can include an urgent low notification alert 1506, a low notification alert 1508, a high notification alert 1509 and a no data notification alert 1510, and each alerts associated status (e.g., associated threshold values and whether the alert is off or on). In some implementations, a user using host monitoring application can modify the remote monitors' settings using page 1500, for example, but in other implementations some or all of the settings can only be modified by the remote monitor, as indicated in FIG. 15.

[0213] Display page 1500 can also allow a user of the host monitoring application to pause and cancel the capabilities of remote monitor monitoring the host. A pause/resume control button 1514

Abbott Ex. 1002 - 105/848

can selectably stop and re-start remote monitoring capabilities of the remote monitor, such as stopping and starting notifications being sent to the remote monitor and/permission for the remote monitor to view sensor data of the host. Such a function can be useful in instances where a host does not always want a remote monitor to be monitoring the host. A specific example can include a baby sitter as a remote monitor. It may be desirable for the baby sitter to have remote monitoring capabilities when caring for a child being monitored by the host monitoring system, but stop the remote monitoring when the baby sitter is no longer caring for the child. This way, a new invitation need not be sent to the baby sitter each time the baby sitter cares for the child.

[0214] A delete Remote Monitor control button 1516 can be used to delete the remote monitor from the list of remote monitors that can monitor the host. In contrast to the pause/resume control 1514, deleting a remote monitor using the delete control 1516 would necessitate the host to re-invite the person to become a remote monitor in some implementations. As discussed elsewhere herein, remote monitoring system may have a predefined limit to the number of remote monitors that can monitor a host, thus it may be become necessary for the host to delete the remote monitor so that the host can add another remote monitor in some implementations.

[0215] In some implementations, remote monitoring system 100 sends a notification message to a remote monitor that has had its permissions or settings changed, or has been paused, resumed or canceled. This way, the remote monitor is aware of the change and is not relying on the previous configuration.

[0216] In addition, each of the pause, cancel, and resume functions may be configured globally across all of a host-patient's monitors instead of or in addition to individual monitors as described above. In the case of a global function, control buttons can be provided on page 1400 of FIG. 14, for example, where pressing the control button implements the function globally across all remote monitors monitoring the host.

Abbott Ex. 1002 - 106/848

[0217] Remote Monitoring Dashboard View

[0218] As discussed elsewhere herein, the remote monitor 114 can provide a so-called dashboard view of hosts it is monitoring. FIGS. 18A and 18B are two different implementations of dashboard page 1800 in accordance with some implementations. The dashboard 1800 can include a plurality of cells 1802a-1802d, each associated with a different host. Each cell 1802 can include identifiers of the host, such as a name of the host and a picture of the host 1804a-1804d.

[0219] In the implementation of FIG. 18A, each cell lists a current status of the cell, such as a time 1812a when the displayed analyte value 1806a was measured, a statement 1812b whether the host is using the remote monitoring system 100, a statement 1812c whether the hosts host monitoring system is working, or a statement 1812d indicating that the remote monitor has been paused, for example.

[0220] In the implementation of FIG. 18B, the cells 1802 can be grouped on page 1800 according to the status of the cell, such as removed 1814 by the host (referred to as Sharer in FIG. 18B), active 1818 (i.e., system is connected and providing data of the associated host to the remote monitor), disconnected 1824 (i.e. system is not connected, e.g., because receiver 102 is not in docking station 103 in the implementation of FIG. 2B) and not sharing 1826 (i.e. the host has paused the remote monitor). Further, cells within a group can be ordered by severity of the monitored condition or other criteria, as discussed elsewhere herein.

[0221] Cells 1802 can also include an indication of the permissions and/or settings of the remote monitor associated with that host. For example, a trend graph icon 1810 can indicate that the remote monitor has permission to view a trend graph of sensor data of that host.

[0222] Cells 1802 that are in the active group 1818 can also include information about the health condition being monitored. For example the cell 1802 can display the most current analyte concentration value1806a that was provided to remote monitor and an trend arrow 1808a indicating a

Abbott Ex. 1002 - 107/848

rate of change of the measured analyte. Further information can also be provided in the cell, such as a time associated with the measurement of the displayed analyte concentration or if data has not been received from the host monitoring system.

[0223] User selection of a cell 1802 can also cause the remote monitor to transition to another display page that provides additional information about the host associated with that cell. For example, the remote monitor can transition to a trend graph display (FIG. 19) associated with that host or a settings page (FIG. 17) associated with that host.

[0224] Trend Graph View

[0225] FIG. 19 is an exemplary page that provides a trend graph 914 of a host's monitored analyte concentration in accordance with some implementations. The trend graph can display a trend line1916 of measured analyte concentrations, as well as low and high thresholds 1918 and 1920 that are used for alerting either the remote monitor 114 or the host monitoring system 198. The trend graph page can also include a user-selectable slider bar that allows a user to select different time frames of sensor data to view, such as three, six, 12 and 24 hour views. A picture of the host 1904 and name of the host 1902 can also be provided so that a remote monitor is not confused as to the individual being monitored in case the remote monitor is monitoring a plurality of different hosts.

[0226] In some implementations, the page of FIG. 19 can automatically be displayed when the remote monitoring application is initially opened responsive to a user directly opening the application and/or a user opening a remote monitoring notification on remote monitor 114 sent by server 110 or notification service 112, as discussed elsewhere wherein.

[0227] Remote Monitor Settings Page

[0228] FIG. 17 is an implantation of a settings page 1700 that can allow the remote monitor to configure remote monitoring settings of a host. Settings page can include a picture filed that displays a picture of the host 1506 and a name field that displays a name of the host, both of which can

Abbott Ex. 1002 - 108/848

be modified by the remote monitor using the settings page 1700. The settings page also includes settings for various alert/notification settings, such as an urgent low alert 1706, low alert 1714, high alert 1724 and not data alert 1736. The function of each of these alerts is discussed elsewhere herein. As illustrated in FIG. 17, the settings associated with each of these alerts can be modified, such as turning the alert on or off, the threshold value(s) associated with each alert and an alert sound associated with each alert.

[0229] Automatic detection of new receivers and registration

[0230] In some implementations, receivers 102 need to be associated with a host 199 so that when glucose data gets to server 110, the data can be associated with the host. Accordingly, remote monitoring system 100 can assign a receiver to a host. This can initially be done through the pairing process discussed above with respect to block 1016 of Fig. 10. If a host receives a new receiver, to make a friendly user experience and prevent errors, the host monitoring application can see that a different serial number is being used, check with the server 110 to see if this is a new receiver or if this receiver is already owned by another host and asks the host via communication device 105 if this is their receiver and allows them to take ownership or it gives them an error telling them that it is already owned.

[0231] Accordingly, an exemplary detection of a new receiver process can be as follows. First, the host communication device 105 if a new receiver is being used by validating with server if the receiver is owned by someone else (via comparison of receiver serial numbers to a database, for example). If the server determines that no one else owns the receiver, then the host monitoring application asks if the user if he or she wants to make that receiver theirs. If yes, then the receiver and the data from that receiver are associated with that host.

[0232] Loss of data alert

Abbott Ex. 1002 - 109/848

[0233] In some example implementations, the secure server 110 may include a rule to automatically trigger a notification message or another communication mechanism (e.g., a phone call, short message service message, and the like) to a remote monitor 114 if data has not been received from host monitoring system 198 for a predetermined amount of time. This way, a user of remote monitor 114 can be aware that something may be wrong with host monitoring system 198 and attempt to contact the host.

[0234] Location-based alerts

[0235] In some example implementations, the secure server 110 may use the location of the receiver 102, gateway 104, host 199, and/or remote monitor(s) 114 when determining whether to send a notification message and/or determine destination of a notification message. For example, when a host-patient is in a first location and travels to a second location, the secure server 110 may, based on rules, select a first remote monitor 114A near the first location and, when the host-patent moves to the second location, select a second remote monitor 114B located near that second location. Location may also be used to vary alerts and notifications. For example, the secure server 110 may vary the rules used to trigger an alert or notification based on the host-patient's location. Location may be used in combination with time as well, so the secure server 110 may vary thresholds associated with alerts and notifications based on location and time of day.

[0236] Acknowledgement Notifications

[0237] In some example implementations, the receiver 102 or gateway 104 may present a prompt (e.g., message, window, etc.) at a user interface requiring the host-patient to acknowledge the triggered alert and/or indicate what corrective action was taken in response to the alert. The prompt may include a list of options that the user can select (e.g., administered insulin, consumed carbohydrates, and the like) to indicate the corrective action that was taken. A notification message may be sent directly to one or more remote monitors 114, or through the secure server 110 and/or

Abbott Ex. 1002 - 110/848

notification service 112, to the remote monitor(s), so that the remote monitors are aware that the patient has acknowledged the alert and/or that corrective action taken (and/or a description of the corrective action).

[0238] In addition, remote monitor 114 can allow a user to select from a plurality of pre-written messages to send to host monitoring system. A user can select the notification, whereupon the remote monitor displays a list of pre-written text messages that the user can select from to send to the host monitoring system. The messages can be selected by remote monitor to be relevant to the underlying cause that triggered the notification message. For instance, if the notification message was triggered by a low glucose level of the host, then the messages can be statements related to low glucose levels, such as "are you feeling okay?", "should you drink some orange juice?", and the like. Each message can be user selectable, and when selected, cause the remote monitor 114 to send the message to the host monitoring system for display on the host monitoring system. In addition, selection of the notification can automatically display a prompt to call the host, where user selection of the prompt causes the remote monitor to dial the phone number associated with the host (e.g. a smartphone that is part of the host monitoring system).

[0239] Motivational messages

[0240] In some example implementations, the alerts sent to the receiver 102 and/or the notification messages may include motivational concepts. For example, if the host-patient has minimized the rate of change in glycemic levels, the secure server may send an alert to the receiver 102 and/or a notification message to remote monitor 114 stating "Great job maintaining your therapy-keep it up!." These motivational concepts may positively motivate the users to stay on the therapy program. In some example implementations, secure server 110 may include one or more events mapped to motivational concepts, so that triggering an event causes sending a message including the motivation concept to the receiver 102 and/or a remote monitor 114.

Abbott Ex. 1002 - 111/848

[0241] In some example implementations, the secure server 110 may use patterns, as noted above, to predict aspects of the patient-host's treatment. For example, a pattern may detect a glycemic change at a given time of day from a prior, established pattern, and then trigger a rule to send an alert to the receiver 102 and a notification to the receiver 114 stating, "Did you miss lunch?" These simple, non-technical query messages may evoke a better response from the host-patient to maintain a therapy, when compared to only providing measured data or statistics to a host-patient or remote monitor. In some example implementations, secure server 110 may include one or more events mapped to simple messages, so that triggering an event causes sending a message including the simple message to the receiver 102 and/or a remote monitor 114.

[0242] Audit Trail

[0243] The secure server 110 may also provide an audit trail. For example, the secure server 110 may store information related to when notifications were pushed to the remote monitor 114 using, for example, notification service 112, and when the remote monitor acknowledges the notification. The secure server 110 may also generate one or more reports to determine timelines and/or identify the effectiveness of remote monitors 114 (which can be used to select remote monitors and/or settings of system 100, such as alert settings, to more effectively monitor host 199).

[0244] Timestamping

[0245] In some implementations, analyte levels provided to remote monitors 114 may not be real-time. For example, while it may be desired to provide analyte values to remote monitors in real time, there may be a time delay between when the analyte value is measured by the analyte sensor system 8 and when the analyte level is provided to the remote monitor 114 and/or secure server 110. The delay may be due to any of the sensor system 8 only transmitting values periodically to the receiver 102, the receiver 102 transmitting only periodically values to gateway 104, the gateway having difficulty connecting to secure server 110, and secure server having difficulty connecting to

Abbott Ex. 1002 - 112/848

remote monitor 114, for example. Consequently, in some implementations, a glucose value transmitted to the remote monitor 114 is displayed on the remote monitor with a time indicating the time the analyte value that triggered the notification corresponds to (e.g., the analyte value that met or exceeded the threshold that triggered the notification). The time may be the time of day the analyte value was measured (e.g., 2:10 p.m. Pacific Standard Time), or may be a difference in time since the analyte value was measured (e.g., 2 minutes ago, 30 minutes ago, 4 hours ago, etc.).

[0246] In addition, due to a time delay, the secure server 110 may end up sending a notification to remote monitor 114 based on a time delayed analyte value. In such a case, the notification can include a time associated with the alert that triggered the notification, such as "Mike's blood glucose went below 70 mg/dl at 2:10 P.S.T." or "Mike's blood glucose went below 70 mg/dl 25 minutes ago." Further, because a notification may not be viewed right away on the remote monitoring device, the remote monitoring device 114 can update any time associated with the notification until the notification is acknowledged.

[0247] To accommodate for differentness in time zones between a host and a remote monitor, the remote monitoring system can use a universal time and then convert the universal time to the time zone of the remote monitor, in accordance with some implementations. That is, a time stamp of a sensor data value generated by host monitoring system 198 and provided to secure server 110 can be in Universal Standard time (UST) or Greenwich Mean Time (GMT) and provided to the remote monitor 114 in the same universal time, whereby the remote monitor converts the universal time to the time zone in which the remote monitor is located.

[0248] In some implementations, due to difficulties with displaying time due to time lag and potential time zone differences between a host monitoring system 198 and remote monitor 114, which can cause confusion, notifications sent to remote monitor 114 do not display a time. To remedy the lack of time indication, some implementations automatically open the remote monitoring

Abbott Ex. 1002 - 113/848

application on the remote monitor 114 and display the user's monitored health information upon user acknowledgment of the notification. The host's monitored health information that is initially displayed upon opening the application can include indications of the host's current state, such as the most current analyte value and/or a trend graph showing the past three hours of the host's measured analyte level.

[0249] Loss of data transmission

[0250] In some implementations, data may not be transmitted at times from the sensor system 8 to the secure server 110. This may be due to an unintentional lost data transmission connection between one or more of sensor system 8 and receiver 102, receiver 102 and gateway 104, docking station 103 and host communication device 105, or gateway 104 and secure server 110, for example. Or, the loss may be intentional, such as a user turning one or more of the components of the remote monitoring system 100 off, such as the receiver 102 or host communication device 105. In any such instance, the secure server 110 can be configured to send a notification indicating the loss of data transmission to one or more of the host monitoring system 198 and remote monitors 114A-114M.

[0251] However, it may be at times desirable not to send a notification so remote monitors 114 are not overly messaged. As an example, a host being monitored may be sleeping at night and get up to go to the kitchen for a drink of water. This can result in a loss of data transmission if the sensor system 8 is out of range from the receiver 102 resting on a nightstand of the host 199, for example. Consequently, a delay associated with loss of data transmission errors can be implemented so that the server 110 initiates a loss of data notification only if data is not received after a predetermined amount of time or after a predetermined number of attempted connection attempts with host monitoring system 198.

[0252] Further, it may be desirable to not send loss of data notifications every time there is a loss of data transmission, even if the loss of data transmission is for an extended period of time. For

Abbott Ex. 1002 - 114/848

example, in the implementation of FIG. 2C, the docking station 103 may be stationary. Thus, a host may only be able to transmit health readings when the host has the receiver 102 docked in the docking station and the host is in sufficient proximity to the receiver and docking station for data transmission. However, a host may want to remove his or her receiver 102 from the docking station 103 when the host leaves for work, for example. It may not be desirable to trigger a notification to remote monitors 114 when the host removes the receiver from the docking station 103, as this may not be considered an important enough event.

[0253] Accordingly, in some implementations, the remote monitoring system 100 can determine that the receiver was removed from the docking station 103 as opposed to, for some reason, the host monitoring system 198 is not functioning correctly and not providing sensor data to the secure server. In one implementation, the remote monitoring system 100 determines that the receiver is not docked in the docking station 103 by monitoring transmissions from the cradle. For instance, transmissions from the docking station 103 that include information generated by the receiver 102 indicates that the receiver is docked and transmissions from the docking station 103 that do not include information generated by the receiver indicates that the receiver has been removed from the docking station.

[0254] Eyewear display device

[0255] Although the above disclosure is primarily described with respect to use of a hand-held computing device, it should be understood that other devices can be used instead or in place of the smart phone. For example, in some implementations, sensor data are transmitted from the personal computing device to a computing device in the form of eyewear and messages and information displayed on the eyewear for the user to view. An example of such eyewear is Google Glasses manufactured by Google, Inc. The user's eyewear interface can use a near-field radio link to receive

Abbott Ex. 1002 - 115/848

data, either directly from sensor system 8, or through an intermediary device, such as receiver 102 or gateway 104.

[0256] In some implementations, transmission of the data may be event-driven. For example, driven by the occurrence of a low or high glucose excursion, as discussed herein.

[0257] Various implementations of the subject matter described herein may be realized in digital electronic circuitry, integrated circuitry, specially designed ASICs (application specific integrated circuits), computer hardware, firmware, software, and/or combinations thereof. The circuitry may be affixed to a printed circuit board (PCB), or the like, and may take a variety of forms, as noted. These various implementations may include implementation in one or more computer programs that are executable and/or interpretable on a programmable system including at least one programmable processor, which may be special or general purpose, coupled to receive data and instructions from, and to transmit data and instructions to, a storage system, at least one input device, and at least one output device.

[0258] These computer programs (also known as programs, software, software applications, or code) include machine instructions for a programmable processor, and may be implemented in a high-level procedural and/or object-oriented programming language, and/or in assembly/machine language. As used herein, the term "machine-readable medium" refers to any non-transitory computer program product, apparatus and/or device (e.g., magnetic discs, optical disks, memory, Programmable Logic Devices (PLDs)) used to provide machine instructions and/or data to a programmable processor, including a machine-readable medium that receives machine instructions.

[0259] To provide for interaction with a user, the subject matter described herein may be implemented on a computer having a display device (e.g., a CRT (cathode ray tube) or LCD (liquid crystal display) monitor) for displaying information to the user and a keyboard and a pointing device (e.g., a mouse or a trackball) by which the user may provide input to the computer. Other kinds of

Abbott Ex. 1002 - 116/848

devices may be used to provide for interaction with a user as well; for example, feedback provided to the user may be any form of sensory feedback (e.g., visual feedback, auditory feedback, or tactile feedback); and input from the user may be received in any form, including acoustic, speech, or tactile input.

[0260] The subject matter described herein may be implemented in a computing system that includes a back-end component (e.g., as a data server), or that includes a middleware component (e.g., an application server), or that includes a front-end component (e.g., a client computer having a graphical user interface or a Web browser through which a user may interact with an implementation of the subject matter described herein), or any combination of such back-end, middleware, or front-end components. The components of the system may be interconnected by any form or medium of digital data communication (e.g., a communication network). Examples of communication networks include a local area network ("LAN"), a wide area network ("WAN"), the public land mobile network, satellite networks, and the Internet.

[0261] Although a few variations have been described in detail above, other modifications are possible. For example, while the descriptions of specific implementations of the current subject matter discuss analytic applications, the current subject matter is applicable to other types of software and data services access as well. Moreover, although the above description refers to specific products, other products may be used as well. In addition, the logic flows depicted in the accompanying figures and described herein do not require the particular order shown, or sequential order, to achieve desirable results. Moreover, as used herein the term "set" includes zero or more items, and the phrase "based on" can be used interchangeably (unless otherwise noted) with the phrase "based on at least." Other implementations may be within the scope of the following claims.

[0262] While the disclosure has been illustrated and described in detail in the drawings and foregoing description, such illustration and description are to be considered illustrative or exemplary

Abbott Ex. 1002 - 117/848

and not restrictive. The disclosure is not limited to the disclosed embodiments. Variations to the disclosed embodiments can be understood and effected by those skilled in the art in practicing the claimed disclosure, from a study of the drawings, the disclosure and the appended claims.

[0263] Methods and devices that are suitable for use in conjunction with aspects of the preferred embodiments are disclosed in U.S. Pat. No. 4,757,022; U.S. Pat. No. 4,994,167; U.S. Pat. No. 6,001,067; U.S. Pat. No. 6,558,321; U.S. Pat. No. 6,702,857; U.S. Pat. No. 6,741,877; U.S. Pat. No. 6,862,465; U.S. Pat. No. 6,931,327; U.S. Pat. No. 7,074,307; U.S. Pat. No. 7,081,195; U.S. Pat. No. 7,108,778; U.S. Pat. No. 7,110,803; U.S. Pat. No. 7,134,999; U.S. Pat. No. 7,136,689; U.S. Pat. No. 7,192,450; U.S. Pat. No. 7,226,978; U.S. Pat. No. 7,276,029; U.S. Pat. No. 7,310,544; U.S. Pat. No. 7,364,592; U.S. Pat. No. 7,366,556; U.S. Pat. No. 7,379,765; U.S. Pat. No. 7,424,318; U.S. Pat. No. 7,460,898; U.S. Pat. No. 7,467,003; U.S. Pat. No. 7,471,972; U.S. Pat. No. 7,494,465; U.S. Pat. No. 7,497,827; U.S. Pat. No. 7,519,408; U.S. Pat. No. 7,583,990; U.S. Pat. No. 7,591,801; U.S. Pat. No. 7,599,726; U.S. Pat. No. 7,613,491; U.S. Pat. No. 7,615,007; U.S. Pat. No. 7,632,228; U.S. Pat. No. 7,637,868; U.S. Pat. No. 7,640,048; U.S. Pat. No. 7,651,596; U.S. Pat. No. 7,654,956; U.S. Pat. No. 7,657,297; U.S. Pat. No. 7,711,402; U.S. Pat. No. 7,713,574; U.S. Pat. No. 7,715,893; U.S. Pat. No. 7,761,130; U.S. Pat. No. 7,771,352; U.S. Pat. No. 7,774,145; U.S. Pat. No. 7,775,975; U.S. Pat. No. 7,778,680; U.S. Pat. No. 7,783,333; U.S. Pat. No. 7,792,562; U.S. Pat. No. 7,797,028; U.S. Pat. No. 7,826,981; U.S. Pat. No. 7,828,728; U.S. Pat. No. 7,831,287; U.S. Pat. No. 7,835,777; U.S. Pat. No. 7,857,760; U.S. Pat. No. 7,860,545; U.S. Pat. No. 7,875,293; U.S. Pat. No. 7,881,763; U.S. Pat. No. 7,885,697; U.S. Pat. No. 7,896,809; U.S. Pat. No. 7,899,511; U.S. Pat. No. 7,901,354; U.S. Pat. No. 7,905,833; U.S. Pat. No. 7,914,450; U.S. Pat. No. 7,917,186; U.S. Pat. No. 7,920,906; U.S. Pat. No. 7,925,321; U.S. Pat. No. 7,927,274; U.S. Pat. No. 7,933,639; U.S. Pat. No. 7,935,057; U.S. Pat. No. 7,946,984; U.S. Pat. No. 7,949,381; U.S. Pat. No. 7,955,261; U.S. Pat. No. 7,959,569; U.S. Pat. No. 7,970,448; U.S. Pat. No. 7,974,672; U.S. Pat. No. 7,976,492; U.S. Pat. No. 7,979,104; U.S. Pat.

Abbott Ex. 1002 - 118/848

No. 7,986,986; U.S. Pat. No. 7,998,071; U.S. Pat. No. 8,000,901; U.S. Pat. No. 8,005,524; U.S. Pat. No. 8,005,525; U.S. Pat. No. 8,010,174; U.S. Pat. No. 8,027,708; U.S. Pat. No. 8,050,731; U.S. Pat. No. 8,052,601; U.S. Pat. No. 8,053,018; U.S. Pat. No. 8,060,173; U.S. Pat. No. 8,060,174; U.S. Pat. No. 8,064,977; U.S. Pat. No. 8,073,519; U.S. Pat. No. 8,073,520; U.S. Pat. No. 8,118,877; U.S. Pat. No. 8,128,562; U.S. Pat. No. 8,133,178; U.S. Pat. No. 8,150,488; U.S. Pat. No. 8,155,723; U.S. Pat. No. 8,160,669; U.S. Pat. No. 8,160,671; U.S. Pat. No. 8,167,801; U.S. Pat. No. 8,170,803; U.S. Pat. No. 8,195,265; U.S. Pat. No. 8,206,297; U.S. Pat. No. 8,216,139; U.S. Pat. No. 8,229,534; U.S. Pat. No. 8,229,535; U.S. Pat. No. 8,229,536; U.S. Pat. No. 8,231,531; U.S. Pat. No. 8,233,958; U.S. Pat. No. 8,233,959; U.S. Pat. No. 8,249,684; U.S. Pat. No. 8,251,906; U.S. Pat. No. 8,255,030; U.S. Pat. No. 8,255,032; U.S. Pat. No. 8,255,033; U.S. Pat. No. 8,257,259; U.S. Pat. No. 8,260,393; U.S. Pat. No. 8,265,725; U.S. Pat. No. 8,275,437; U.S. Pat. No. 8,275,438; U.S. Pat. No. 8,277,713; U.S. Pat. No. 8,280,475; U.S. Pat. No. 8,282,549; U.S. Pat. No. 8,282,550; U.S. Pat. No. 8,285,354; U.S. Pat. No. 8,287,453; U.S. Pat. No. 8,290,559; U.S. Pat. No. 8,290,560; U.S. Pat. No. 8,290,561; U.S. Pat. No. 8,290,562; U.S. Pat. No. 8,292,810; U.S. Pat. No. 8,298,142; U.S. Pat. No. 8,311,749; U.S. Pat. No. 8,313,434; U.S. Pat. No. 8,321,149; U.S. Pat. No. 8,332,008; U.S. Pat. No. 8,346,338; U.S. Pat. No. 8,364,229; U.S. Pat. No. 8,369,919; U.S. Pat. No. 8,374,667; U.S. Pat. No. 8,386,004; and U.S. Pat. No. 8,394,021.

[0264] Methods and devices that are suitable for use in conjunction with aspects of the preferred embodiments are disclosed in U.S. Patent Publication No. 2003-0032874-A1; U.S. Patent Publication No. 2005-0033132-A1; U.S. Patent Publication No. 2005-0051427-A1; U.S. Patent Publication No. 2005-0090607-A1; U.S. Patent Publication No. 2005-0176136-A1; U.S. Patent Publication No. 2005-0245799-A1; U.S. Patent Publication No. 2006-0015020-A1; U.S. Patent Publication No. 2006-0016700-A1; U.S. Patent Publication No. 2006-0020188-A1; U.S. Patent Publication No. 2006-0020190-A1; U.S. Patent Publication No. 2006-0020191-A1; U.S. Patent

Abbott Ex. 1002 - 119/848

Publication No. 2006-0020192-A1; U.S. Patent Publication No. 2006-0036140-A1; U.S. Patent Publication No. 2006-0036143-A1; U.S. Patent Publication No. 2006-0040402-A1; U.S. Patent Publication No. 2006-0068208-A1; U.S. Patent Publication No. 2006-0142651-A1; U.S. Patent Publication No. 2006-0155180-A1; U.S. Patent Publication No. 2006-0198864-A1; U.S. Patent Publication No. 2006-0200020-A1; U.S. Patent Publication No. 2006-0200022-A1; U.S. Patent Publication No. 2006-0200970-A1; U.S. Patent Publication No. 2006-0204536-A1; U.S. Patent Publication No. 2006-0224108-A1; U.S. Patent Publication No. 2006-0235285-A1; U.S. Patent Publication No. 2006-0249381-A1; U.S. Patent Publication No. 2006-0252027-A1; U.S. Patent Publication No. 2006-0253012-A1; U.S. Patent Publication No. 2006-0257995-A1; U.S. Patent Publication No. 2006-0258761-A1; U.S. Patent Publication No. 2006-0263763-A1; U.S. Patent Publication No. 2006-0270922-A1; U.S. Patent Publication No. 2006-0270923-A1; U.S. Patent Publication No. 2007-0027370-A1; U.S. Patent Publication No. 2007-0032706-A1; U.S. Patent Publication No. 2007-0032718-A1; U.S. Patent Publication No. 2007-0045902-A1; U.S. Patent Publication No. 2007-0059196-A1; U.S. Patent Publication No. 2007-0066873-A1; U.S. Patent Publication No. 2007-0173709-A1; U.S. Patent Publication No. 2007-0173710-A1; U.S. Patent Publication No. 2007-0208245-A1; U.S. Patent Publication No. 2007-0208246-A1; U.S. Patent Publication No. 2007-0232879-A1; U.S. Patent Publication No. 2008-0045824-A1; U.S. Patent Publication No. 2008-0083617-A1; U.S. Patent Publication No. 2008-0086044-A1; U.S. Patent Publication No. 2008-0108942-A1; U.S. Patent Publication No. 2008-0119703-A1; U.S. Patent Publication No. 2008-0119704-A1; U.S. Patent Publication No. 2008-0119706-A1; U.S. Patent Publication No. 2008-0183061-A1; U.S. Patent Publication No. 2008-0183399-A1; U.S. Patent Publication No. 2008-0188731-A1; U.S. Patent Publication No. 2008-0189051-A1; U.S. Patent Publication No. 2008-0194938-A1; U.S. Patent Publication No. 2008-0197024-A1; U.S. Patent Publication No. 2008-0200788-A1; U.S. Patent Publication No. 2008-0200789-A1; U.S. Patent

Publication No. 2008-0200791-A1; U.S. Patent Publication No. 2008-0214915-A1; U.S. Patent Publication No. 2008-0228054-A1; U.S. Patent Publication No. 2008-0242961-A1; U.S. Patent Publication No. 2008-0262469-A1; U.S. Patent Publication No. 2008-0275313-A1; U.S. Patent Publication No. 2008-0287765-A1; U.S. Patent Publication No. 2008-0306368-A1; U.S. Patent Publication No. 2008-0306434-A1; U.S. Patent Publication No. 2008-0306435-A1; U.S. Patent Publication No. 2008-0306444-A1; U.S. Patent Publication No. 2009-0018424-A1; U.S. Patent Publication No. 2009-0030294-A1; U.S. Patent Publication No. 2009-0036758-A1; U.S. Patent Publication No. 2009-0036763-A1; U.S. Patent Publication No. 2009-0043181-A1; U.S. Patent Publication No. 2009-0043182-A1; U.S. Patent Publication No. 2009-0043525-A1; U.S. Patent Publication No. 2009-0045055-A1; U.S. Patent Publication No. 2009-0062633-A1; U.S. Patent Publication No. 2009-0062635-A1; U.S. Patent Publication No. 2009-0076360-A1; U.S. Patent Publication No. 2009-0099436-A1; U.S. Patent Publication No. 2009-0124877-A1; U.S. Patent Publication No. 2009-0124879-A1; U.S. Patent Publication No. 2009-0124964-A1; U.S. Patent Publication No. 2009-0131769-A1; U.S. Patent Publication No. 2009-0131777-A1; U.S. Patent Publication No. 2009-0137886-A1; U.S. Patent Publication No. 2009-0137887-A1; U.S. Patent Publication No. 2009-0143659-A1; U.S. Patent Publication No. 2009-0143660-A1; U.S. Patent Publication No. 2009-0156919-A1; U.S. Patent Publication No. 2009-0163790-A1; U.S. Patent Publication No. 2009-0178459-A1; U.S. Patent Publication No. 2009-0192366-A1; U.S. Patent Publication No. 2009-0192380-A1; U.S. Patent Publication No. 2009-0192722-A1; U.S. Patent Publication No. 2009-0192724-A1; U.S. Patent Publication No. 2009-0192751-A1; U.S. Patent Publication No. 2009-0203981-A1; U.S. Patent Publication No. 2009-0216103-A1; U.S. Patent Publication No. 2009-0240120-A1; U.S. Patent Publication No. 2009-0240193-A1; U.S. Patent Publication No. 2009-0242399-A1; U.S. Patent Publication No. 2009-0242425-A1; U.S. Patent Publication No. 2009-0247855-A1; U.S. Patent Publication No. 2009-0247856-A1; U.S. Patent

Abbott Ex. 1002 - 121/848

Publication No. 2009-0287074-A1; U.S. Patent Publication No. 2009-0299155-A1; U.S. Patent Publication No. 2009-0299156-A1; U.S. Patent Publication No. 2009-0299162-A1; U.S. Patent Publication No. 2010-0010331-A1; U.S. Patent Publication No. 2010-0010332-A1; U.S. Patent Publication No. 2010-0016687-A1; U.S. Patent Publication No. 2010-0016698-A1; U.S. Patent Publication No. 2010-0030484-A1; U.S. Patent Publication No. 2010-0036215-A1; U.S. Patent Publication No. 2010-0036225-A1; U.S. Patent Publication No. 2010-0041971-A1; U.S. Patent Publication No. 2010-0045465-A1; U.S. Patent Publication No. 2010-0049024-A1; U.S. Patent Publication No. 2010-0076283-A1; U.S. Patent Publication No. 2010-0081908-A1; U.S. Patent Publication No. 2010-0081910-A1; U.S. Patent Publication No. 2010-0087724-A1; U.S. Patent Publication No. 2010-0096259-A1; U.S. Patent Publication No. 2010-0121169-A1; U.S. Patent Publication No. 2010-0161269-A1; U.S. Patent Publication No. 2010-0168540-A1; U.S. Patent Publication No. 2010-0168541-A1; U.S. Patent Publication No. 2010-0168542-A1; U.S. Patent Publication No. 2010-0168543-A1; U.S. Patent Publication No. 2010-0168544-A1; U.S. Patent Publication No. 2010-0168545-A1; U.S. Patent Publication No. 2010-0168546-A1; U.S. Patent Publication No. 2010-0168657-A1; U.S. Patent Publication No. 2010-0174157-A1; U.S. Patent Publication No. 2010-0174158-A1; U.S. Patent Publication No. 2010-0174163-A1; U.S. Patent Publication No. 2010-0174164-A1; U.S. Patent Publication No. 2010-0174165-A1; U.S. Patent Publication No. 2010-0174166-A1; U.S. Patent Publication No. 2010-0174167-A1; U.S. Patent Publication No. 2010-0179401-A1; U.S. Patent Publication No. 2010-0179402-A1; U.S. Patent Publication No. 2010-0179404-A1; U.S. Patent Publication No. 2010-0179408-A1; U.S. Patent Publication No. 2010-0179409-A1; U.S. Patent Publication No. 2010-0185065-A1; U.S. Patent Publication No. 2010-0185069-A1; U.S. Patent Publication No. 2010-0185070-A1; U.S. Patent Publication No. 2010-0185071-A1; U.S. Patent Publication No. 2010-0185075-A1; U.S. Patent Publication No. 2010-0191082-A1; U.S. Patent Publication No. 2010-0198035-A1; U.S. Patent

Abbott Ex. 1002 - 122/848

Publication No. 2010-0198036-A1; U.S. Patent Publication No. 2010-0212583-A1; U.S. Patent Publication No. 2010-0217557-A1; U.S. Patent Publication No. 2010-0223013-A1; U.S. Patent Publication No. 2010-0223022-A1; U.S. Patent Publication No. 2010-0223023-A1; U.S. Patent Publication No. 2010-0228109-A1; U.S. Patent Publication No. 2010-0228497-A1; U.S. Patent Publication No. 2010-0240975-A1; U.S. Patent Publication No. 2010-0240976 C1; U.S. Patent Publication No. 2010-0261987-A1; U.S. Patent Publication No. 2010-0274107-A1; U.S. Patent Publication No. 2010-0280341-A1; U.S. Patent Publication No. 2010-0286496-A1; U.S. Patent Publication No. 2010-0298684-A1; U.S. Patent Publication No. 2010-0324403-A1; U.S. Patent Publication No. 2010-0331656-A1; U.S. Patent Publication No. 2010-0331657-A1; U.S. Patent Publication No. 2011-0004085-A1; U.S. Patent Publication No. 2011-0009727-A1; U.S. Patent Publication No. 2011-0024043-A1; U.S. Patent Publication No. 2011-0024307-A1; U.S. Patent Publication No. 2011-0027127-A1; U.S. Patent Publication No. 2011-0027453-A1; U.S. Patent Publication No. 2011-0027458-A1; U.S. Patent Publication No. 2011-0028815-A1; U.S. Patent Publication No. 2011-0028816-A1; U.S. Patent Publication No. 2011-0046467-A1; U.S. Patent Publication No. 2011-0077490-A1; U.S. Patent Publication No. 2011-0118579-A1; U.S. Patent Publication No. 2011-0124992-A1; U.S. Patent Publication No. 2011-0125410-A1; U.S. Patent Publication No. 2011-0130970-A1; U.S. Patent Publication No. 2011-0130971-A1; U.S. Patent Publication No. 2011-0130998-A1; U.S. Patent Publication No. 2011-0144465-A1; U.S. Patent Publication No. 2011-0178378-A1; U.S. Patent Publication No. 2011-0190614-A1; U.S. Patent Publication No. 2011-0201910-A1; U.S. Patent Publication No. 2011-0201911-A1; U.S. Patent Publication No. 2011-0218414-A1; U.S. Patent Publication No. 2011-0231140-A1; U.S. Patent Publication No. 2011-0231141-A1; U.S. Patent Publication No. 2011-0231142-A1; U.S. Patent Publication No. 2011-0253533-A1; U.S. Patent Publication No. 2011-0263958-A1; U.S. Patent Publication No. 2011-0270062-A1; U.S. Patent Publication No. 2011-0270158-A1; U.S. Patent

Publication No. 2011-0275919-A1; U.S. Patent Publication No. 2011-0290645-A1; U.S. Patent Publication No. 2011-0313543-A1; U.S. Patent Publication No. 2011-0320130-A1; U.S. Patent Publication No. 2012-0035445-A1; U.S. Patent Publication No. 2012-0040101-A1; U.S. Patent Publication No. 2012-0046534-A1; U.S. Patent Publication No. 2012-0078071-A1; U.S. Patent Publication No. 2012-0108934-A1; U.S. Patent Publication No. 2012-0130214-A1; U.S. Patent Publication No. 2012-0172691-A1; U.S. Patent Publication No. 2012-0179014-A1; U.S. Patent Publication No. 2012-0186581-A1; U.S. Patent Publication No. 2012-0190953-A1; U.S. Patent Publication No. 2012-0191063-A1; U.S. Patent Publication No. 2012-0203467-A1; U.S. Patent Publication No. 2012-0209098-A1; U.S. Patent Publication No. 2012-0215086-A1; U.S. Patent Publication No. 2012-0215087-A1; U.S. Patent Publication No. 2012-0215201-A1; U.S. Patent Publication No. 2012-0215461-A1; U.S. Patent Publication No. 2012-0215462-A1; U.S. Patent Publication No. 2012-0215496-A1; U.S. Patent Publication No. 2012-0220979-A1; U.S. Patent Publication No. 2012-0226121-A1; U.S. Patent Publication No. 2012-0228134-A1; U.S. Patent Publication No. 2012-0238852-A1; U.S. Patent Publication No. 2012-0245448-A1; U.S. Patent Publication No. 2012-0245855-A1; U.S. Patent Publication No. 2012-0255875-A1; U.S. Patent Publication No. 2012-0258748-A1; U.S. Patent Publication No. 2012-0259191-A1; U.S. Patent Publication No. 2012-0260323-A1; U.S. Patent Publication No. 2012-0262298-A1; U.S. Patent Publication No. 2012-0265035-A1; U.S. Patent Publication No. 2012-0265036-A1; U.S. Patent Publication No. 2012-0265037-A1; U.S. Patent Publication No. 2012-0277562-A1; U.S. Patent Publication No. 2012-0277566-A1; U.S. Patent Publication No. 2012-0283541-A1; U.S. Patent Publication No. 2012-0283543-A1; U.S. Patent Publication No. 2012-0296311-A1; U.S. Patent Publication No. 2012-0302854-A1; U.S. Patent Publication No. 2012-0302855-A1; U.S. Patent Publication No. 2012-0323100-A1; U.S. Patent Publication No. 2013-0012798-A1; U.S. Patent Publication No. 2013-0030273-A1; U.S. Patent Publication No. 2013-0035575-A1; U.S. Patent

Publication No. 2013-0035865-A1; U.S. Patent Publication No. 2013-0035871-A1; U.S. Patent Publication No. 2005-0056552-A1; U.S. Patent Publication No. 2005-0182451-A1; U.S. Patent Publication No. 2013000536650A1; and U.S. Patent Publication No. 2013-0053666-A1.

[0265] Methods and devices that are suitable for use in conjunction with aspects of the preferred embodiments are disclosed in U.S. Appl. No. 09/447,227 filed on November 22, 1999 and entitled "DEVICE AND METHOD FOR DETERMINING ANALYTE LEVELS"; U.S. Appl. No. 12/828,967 filed on July 1, 2010 and entitled "HOUSING FOR AN INTRAVASCULAR SENSOR"; U.S. Appl. No. 13/461,625 filed on May 1, 2012 and entitled "DUAL ELECTRODE SYSTEM FOR A CONTINUOUS ANALYTE SENSOR"; U.S. Appl. No. 13/594,602 filed on August 24, 2012 and entitled "POLYMER MEMBRANES FOR CONTINUOUS ANALYTE SENSORS"; U.S. Appl. No. 13/594,734 filed on August 24, 2012 and entitled "POLYMER MEMBRANES FOR CONTINUOUS ANALYTE SENSORS"; U.S. Appl. No. 13/607,162 filed on September 7, 2012 and entitled "SYSTEM AND METHODS FOR PROCESSING ANALYTE SENSOR DATA FOR SENSOR CALIBRATION"; U.S. Appl. No. 13/624,727 filed on September 21, 2012 and entitled "SYSTEMS AND METHODS FOR PROCESSING AND TRANSMITTING SENSOR DATA"; U.S. Appl. No. 13/624,808 filed on September 21, 2012 and entitled "SYSTEMS AND METHODS FOR PROCESSING AND TRANSMITTING SENSOR DATA"; U.S. Appl. No. 13/624,812 filed on September 21, 2012 and entitled "SYSTEMS AND METHODS FOR PROCESSING AND TRANSMITTING SENSOR DATA"; U.S. Appl. No. 13/732,848 filed on January 2, 2013 and entitled "ANALYTE SENSORS HAVING A SIGNAL-TO-NOISE RATIO SUBSTANTIALLY UNAFFECTED BY NON-CONSTANT NOISE"; U.S. Appl. No. 13/733,742 filed on January 3, 2013 and entitled "END OF LIFE DETECTION FOR ANALYTE SENSORS"; U.S. Appl. No. 13/733,810 filed on January 3, 2013 and entitled "OUTLIER DETECTION FOR ANALYTE SENSORS"; U.S. Appl. No. 13/742,178 filed on January 15, 2013 and entitled "SYSTEMS AND METHODS FOR

Abbott Ex. 1002 - 125/848

PROCESSING SENSOR DATA"; U.S. Appl. No. 13/742,694 filed on January 16, 2013 and entitled "SYSTEMS AND METHODS FOR PROVIDING SENSITIVE AND SPECIFIC ALARMS"; U.S. Appl. No. 13/742,841 filed on January 16, 2013 and entitled "SYSTEMS AND METHODS FOR DYNAMICALLY AND INTELLIGENTLY MONITORING A HOST'S GLYCEMIC CONDITION AFTER AN ALERT IS TRIGGERED"; U.S. Appl. No. 13/747,746 filed on January 23, 2013 and entitled "DEVICES, SYSTEMS, AND METHODS TO COMPENSATE FOR EFFECTS OF TEMPERATURE ON IMPLANTABLE SENSORS"; U.S. Appl. No. 13/779,607 filed on February 27, 2013 and entitled "ZWITTERION SURFACE MODIFICATIONS FOR CONTINUOUS SENSORS"; U.S. Appl. No. 13/780,808 filed on February 28, 2013 and entitled "SENSORS FOR CONTINUOUS ANALYTE MONITORING, AND RELATED METHODS"; U.S. Appl. No. 13/784,523 filed on March 4, 2013 and entitled "ANALYTE SENSOR WITH INCREASED REFERENCE CAPACITY"; U.S. Appl. No. 13/789,371 filed on March 7, 2013 and entitled "MULTIPLE ELECTRODE SYSTEM FOR A CONTINUOUS ANALYTE SENSOR, AND RELATED METHODS"; U.S. Appl. No. 13/789,279 filed on March 7, 2013 and entitled "USE OF SENSOR REDUNDANCY TO DETECT SENSOR FAILURES"; U.S. Appl. No. 13/789,339 filed on March 7, 2013 and entitled "DYNAMIC REPORT BUILDING"; U.S. Appl. No. 13/789,341 filed on March 7, 2013 and entitled "REPORTING MODULES"; U.S. Appl. No. 13/790,281 filed on March 8, 2013 and entitled "SYSTEMS AND METHODS FOR MANAGING GLYCEMIC VARIABILITY"; U.S. Appl. No. 13/796,185 filed on March 12, 2013 and entitled "SYSTEMS AND METHODS FOR PROCESSING ANALYTE SENSOR DATA"; U.S. Appl. No. 13/796,642 filed on March 12, 2013 and entitled "SYSTEMS AND METHODS FOR PROCESSING ANALYTE SENSOR DATA"; U.S. Appl. No. 13/801,445 filed on March 13, 2013 and entitled "SYSTEMS AND METHODS FOR LEVERAGING SMARTPHONE FEATURES IN CONTINUOUS GLUCOSE MONITORING"; U.S. Appl. No. 13/802,424 filed on March 13, 2013 and entitled "SYSTEMS AND METHODS FOR LEVERAGING SMARTPHONE

Abbott Ex. 1002 - 126/848

FEATURES IN CONTINUOUS GLUCOSE MONITORING"; U.S. Appl. No. 13/802,237 filed on March 13, 2013 and entitled "SYSTEMS AND METHODS FOR LEVERAGING SMARTPHONE FEATURES IN CONTINUOUS GLUCOSE MONITORING"; U.S. Appl. No. 13/802,317 filed on March 13, 2013 and entitled "SYSTEMS AND METHODS FOR LEVERAGING SMARTPHONE FEATURES IN CONTINUOUS GLUCOSE MONITORING"; U.S. Appl. No. 13/830,540 filed on March 14, 2013 and entitled "TRANSCUTANEOUS ANALYTE SENSORS, APPLICATORS THEREFOR, AND ASSOCIATED METHODS"; U.S. Appl. No. 13/829,722 filed on March 14, 2013 and entitled "TRANSCUTANEOUS ANALYTE SENSORS, APPLICATORS THEREFOR, AND ASSOCIATED METHODS"; U.S. Appl. No. 13/830,330 filed on March 14, 2013 and entitled "SYSTEMS AND METHODS FOR PROCESSING AND TRANSMITTING SENSOR DATA"; U.S. Appl. No. 13/827,577 filed on March 14, 2013 and entitled "SYSTEMS AND METHODS FOR PROCESSING AND TRANSMITTING SENSOR DATA"; U.S. Appl. No. 13/830,330 filed on March 14, 2013 and entitled "SYSTEMS AND METHODS FOR PROCESSING AND TRANSMITTING SENSOR DATA"; and U.S. Appl. No. 13/827,119 filed on March 14, 2013 and entitled "ADVANCED CALIBRATION FOR ANALYTE SENSORS".

[0266] All references cited herein are incorporated herein by reference in their entirety. To the extent publications and patents or patent applications incorporated by reference contradict the disclosure contained in the specification, the specification is intended to supersede and/or take precedence over any such contradictory material.

[0267] Unless otherwise defined, all terms (including technical and scientific terms) are to be given their ordinary and customary meaning to a person of ordinary skill in the art, and are not to be limited to a special or customized meaning unless expressly so defined herein. It should be noted that the use of particular terminology when describing certain features or aspects of the disclosure should not be taken to imply that the terminology is being re-defined herein to be restricted to include any

Abbott Ex. 1002 - 127/848

specific characteristics of the features or aspects of the disclosure with which that terminology is associated. Terms and phrases used in this application, and variations thereof, especially in the appended claims, unless otherwise expressly stated, should be construed as open ended as opposed to limiting. As examples of the foregoing, the term 'including' should be read to mean 'including, without limitation,' 'including but not limited to,' or the like; the term 'comprising' as used herein is synonymous with 'including,' 'containing,' or 'characterized by,' and is inclusive or open-ended and does not exclude additional, unrecited elements or method steps; the term 'having' should be interpreted as 'having at least;' the term 'includes' should be interpreted as 'includes but is not limited to;' the term 'example' is used to provide exemplary instances of the item in discussion, not an exhaustive or limiting list thereof; adjectives such as 'known', 'normal', 'standard', and terms of similar meaning should not be construed as limiting the item described to a given time period or to an item available as of a given time, but instead should be read to encompass known, normal, or standard technologies that may be available or known now or at any time in the future; and use of terms like 'preferably,' 'preferred,' 'desired,' or 'desirable,' and words of similar meaning should not be understood as implying that certain features are critical, essential, or even important to the structure or function of the invention, but instead as merely intended to highlight alternative or additional features that may or may not be utilized in a particular embodiment of the invention. Likewise, a group of items linked with the conjunction 'and' should not be read as requiring that each and every one of those items be present in the grouping, but rather should be read as 'and/or' unless expressly stated otherwise. Similarly, a group of items linked with the conjunction 'or' should not be read as requiring mutual exclusivity among that group, but rather should be read as 'and/or' unless expressly stated otherwise.

Abbott Ex. 1002 - 128/848

[0268] Where a range of values is provided, it is understood that the upper and lower limit, and each intervening value between the upper and lower limit of the range is encompassed within the embodiments.

[0269] With respect to the use of substantially any plural and/or singular terms herein, those having skill in the art can translate from the plural to the singular and/or from the singular to the plural as is appropriate to the context and/or application. The various singular/plural permutations may be expressly set forth herein for sake of clarity. The indefinite article "a" or "an" does not exclude a plurality. A single processor or other unit may fulfill the functions of several items recited in the claims. The mere fact that certain measures are recited in mutually different dependent claims does not indicate that a combination of these measures cannot be used to advantage. Any reference signs in the claims should not be construed as limiting the scope.

[0270] It will be further understood by those within the art that if a specific number of an introduced claim recitation is intended, such an intent will be explicitly recited in the claim, and in the absence of such recitation no such intent is present. For example, as an aid to understanding, the following appended claims may contain usage of the introductory phrases "at least one" and "one or more" to introduce claim recitations. However, the use of such phrases should not be construed to imply that the introduction of a claim recitation by the indefinite articles "a" or "an" limits any particular claim containing such introduced claim recitation to embodiments containing only one such recitation, even when the same claim includes the introductory phrases "one or more" or "at least one" and indefinite articles such as "a" or "an" (e.g., "a" and/or "an" should typically be interpreted to mean "at least one" or "one or more"); the same holds true for the use of definite articles used to introduce claim recitations. In addition, even if a specific number of an introduced claim recitation *is* explicitly recited, those skilled in the art will recognize that such recitation should typically be interpreted to mean *at least* the recited number (e.g., the bare recitation of "two recitations," without other modifiers,

Abbott Ex. 1002 - 129/848

typically means *at least* two recitations, or *two or more* recitations). Furthermore, in those instances where a convention analogous to "at least one of A, B, and C, etc." is used, in general such a construction is intended in the sense one having skill in the art would understand the convention (e.g., "a system having at least one of A, B, and C" would include but not be limited to systems that have A alone, B alone, C alone, A and B together, A and C together, B and C together, and/or A, B, and C together, etc.). In those instances where a convention analogous to "at least one of A, B, or C, etc." is used, in general such a construction is intended in the sense one having skill in the art would understand the convention (e.g., "a system having at least one of A, B, or C" would include but not be limited to systems that have A alone, B alone, C alone, A and B together, A and C together, B and C together, and/or A, B, and C together, etc.). It will be further understood by those within the art that virtually any disjunctive word and/or phrase presenting two or more alternative terms, whether in the description, claims, or drawings, should be understood to contemplate the possibilities of including one of the terms, either of the terms, or both terms. For example, the phrase "A or B" will be understood to include the possibilities of "A" or "B" or "A and B."

[0271] All numbers expressing quantities of ingredients, reaction conditions, and so forth used in the specification are to be understood as being modified in all instances by the term 'about.' Accordingly, unless indicated to the contrary, the numerical parameters set forth herein are approximations that may vary depending upon the desired properties sought to be obtained. At the very least, and not as an attempt to limit the application of the doctrine of equivalents to the scope of any claims in any application claiming priority to the present application, each numerical parameter should be construed in light of the number of significant digits and ordinary rounding approaches.

[0272] Furthermore, although the foregoing has been described in some detail by way of illustrations and examples for purposes of clarity and understanding, it is apparent to those skilled in the art that certain changes and modifications may be practiced. Therefore, the description and

Abbott Ex. 1002 - 130/848

examples should not be construed as limiting the scope of the invention to the specific embodiments and examples described herein, but rather to also cover all modification and alternatives coming with the true scope and spirit of the invention.

Abbott Ex. 1002 - 131/848

WHAT IS CLAIMED IS:

1. A method comprising:

receiving, at a remote monitor, an invitation to access a secure server and data associated with a receiver monitoring an analyte state of a host; and

modifying, by the remote monitor, a rule defining an alert representative of an event associated with the analyte state of the host, wherein the alert, when triggered, causes a message to be sent to the remote monitor from a server to notify the remote monitor of the event.

2. The method of Claim 1, wherein the modifying the rule comprises varying a first threshold associated with a low level of glucose at the host.

3. The method of Claim 1, wherein the modifying the rule comprises varying a second threshold associated with a high level of glucose at the host.

4. The method of Claim 1, wherein the modifying the rule comprises varying a delay between when the message is sent to the receiver and a notification message is sent to the remote monitor.

5. The method of Claim 1, wherein the modifying the rule comprises varying a time value between when the message is sent to the remote monitor and a reminder message is sent to the remote monitor.

6. The method of Claim 1, wherein the invitation is associated with a set of recommended rule settings configured by a host monitoring system, wherein the recommended settings are provided to the remote monitor for acceptance or modification.

7. The method of Claim 1, further comprising accepting the invitation at the remote monitor, wherein accepting the invitation programically establishes an account associated with the remote monitor at the server.

Abbott Ex. 1002 - 132/848

8. An apparatus for remote monitoring of a hosts analyte levels, the apparatus comprising:

at least one processor; and

at least one memory including code, which when executed by the at least one processor causes the apparatus to

receive, at a remote monitor, an invitation to access a secure server and data associated with a receiver monitoring an analyte state of a host; and

modify, by the remote monitor, a rule defining an alert representative of an event associated with the analyte state of the host, wherein the alert, when triggered, causes a message to be sent to the remote monitor from a server to notify the remote monitor of the event.

9. The apparatus of Claim 8, wherein the modifying the rule comprises varying a first threshold associated with a low level of glucose at the host.

10. The apparatus of Claim 8, wherein the modifying the rule comprises varying a second threshold associated with a high level of glucose at the host.

11. The apparatus of Claim 8, wherein the modifying the rule comprises varying a delay between when the message is sent to the receiver and a notification message is sent to the remote monitor.

12. The apparatus of Claim 8, wherein the modifying the rule comprises varying a time value between when the message is sent to the remote monitor and a reminder message is sent to the remote monitor.

13. The apparatus of Claim 8, wherein the invitation is associated with a set of recommended rule settings configured by a host monitoring system, wherein the recommended settings are provided to the remote monitor for acceptance or modification.

Abbott Ex. 1002 - 133/848

14. The apparatus of Claim 8, wherein the apparatus is configured to accept the invitation responsive to user input at the remote monitor, wherein accepting the invitation programically establishes an account associated with the remote monitor at the server.

Abbott Ex. 1002 - 134/848

REMOTE MONITORING OF ANALYTE MEASUREMENTS

ABSTRACT OF THE DISCLOSURE

Methods and apparatus, including computer program products, are provided for remote monitoring. In some example implementations, there is provided a method. The method may include receiving, at a remote monitor, a notification message representative of an event detected, by a server, from analyte sensor data obtained from a receiver monitoring an analyte state of a host; presenting, at the remote monitor, the notification message to activate the remote monitor, wherein the remote monitor is configured by the server to receive the notification message to augment the receiver monitoring of the analyte state of the host; accessing, by the remote monitor, the server, in response to the presenting of the notification message; and receiving, in response to the accessing, information including at least the analyte sensor data. Related systems, methods, and articles of manufacture are also disclosed.

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Abbott Ex. 1002 - 135/848

Doc Code: Oath
Document Description: Oath or declaration filed

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DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)

☐ Declaration Submitted With Initial Filing OR ☒ Declaration Submitted After Initial Filing (surcharge (37 CFR 1.16(f)) required)

Attorney Docket Number	DEXCOM.225A
First Named Inventor	Michael Robert Mensinger
COMPLETE IF KNOWN	
Application Number	13/842679
Filing Date	March 15, 2013
Art Unit	
Examiner Name	

REMOTE MONITORING OF ANALYTE MEASUREMENTS

(Title of the Invention)

As a below named inventor, I hereby declare that:

This declaration is directed to:

☐ The attached application,

OR

☒ United States Application Number or PCT International application number 13/842679 filed on March 15, 2013.

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

I believe 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.

Authorization To Permit Access To Application by Participating Office

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In accordance with 37 CFR 1.14(h)(3), access will be provided to a copy of the above-identified patent application with respect to: 1) the above-identified patent application-as-filed; 2) any foreign application to which the above-identified 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 above-identified patent application; and 3) any U.S. application-as-filed from which benefit is sought in the above-identified patent application.

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing the Authorization to Permit Access to Application by Participating Offices.

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 21 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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DECLARATION — Utility or Design Patent Application

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LEGAL NAME OF SOLE OR FIRST INVENTOR:

(*E.g.*, Given Name (first and middle (if any)) and Family Name or Surname)

Michael Robert Mensinger

Inventor's Signature	Date (Optional)
	6/5/13

Residence: City	State	Country
San Diego	CA	US

Mailing Address

12705 Amaranth Street

City	State	Zip	Country
San Diego	CA	92129	US

■ Additional Inventors are being named on the 2 supplemental sheet(s) PTO/AIA/10 attached hereto

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SUPPLEMENTAL SHEET FOR DECLARATION | **ADDITIONAL INVENTOR(S)**
Supplemental Sheet (for PTO/AIA/08,09) Page 3 of 5

Legal Name of Additional Joint Inventor, if any:

(*E.g.*, Given Name (first and middle (if any)) and Family Name or Surname)

Eric Cohen

Inventor's Signature | Date (Optional) 5/16/13

Residence: City San Diego | State CA | Country US

Mailing Address: 8511 Ridgefield Place

City San Diego | State CA | Zip 92129 | Country US

Legal Name of Additional Joint Inventor, if any:

(*E.g.*, Given Name (first and middle (if any)) and Family Name or Surname)

Phil Mayou

Inventor's Signature | Date (Optional) 5-16-2013 5-16-2013

Residence: City San Diego | State CA | Country US

Mailing Address: 12550 Foxcroft Court

City San Diego | State CA | Zip 92129 | Country US

Legal Name of Additional Joint Inventor, if any:

(*E.g.*, Given Name (first and middle (if any)) and Family Name or Surname)

Eli Reihman

Inventor's Signature | Date (Optional) 05/14/13

Residence: City San Diego | State CA | Country US

Mailing Address: 9019 Meadowrun

City San Diego | State CA | Zip 92129 | Country US

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SUPPLEMENTAL SHEET FOR DECLARATION | **ADDITIONAL INVENTOR(S)** Supplemental Sheet (for PTO/AIA/08,09) Page 4 of 5

Legal Name of Additional Joint Inventor, if any:

(*E.g.*, Given Name (first and middle (if any)) and Family Name or Surname)

Katherine Yerre Grubstein

Inventor's Signature: Katherine Yerre Grubstein | Date (Optional): 6/10/13

Residence: City: San Diego | State: CA | Country: US

Mailing Address: 3857 Pell Place, #412

City: San Diego | State: CA | Zip: 92130 | Country: US

Legal Name of Additional Joint Inventor, if any:

(*E.g.*, Given Name (first and middle (if any)) and Family Name or Surname)

Rian Draeger

Inventor's Signature: Rian Draeger | Date (Optional): 5/16/13

Residence: City | State | Country

Mailing Address

City | State | Zip | Country

Legal Name of Additional Joint Inventor, if any:

(*E.g.*, Given Name (first and middle (if any)) and Family Name or Surname)

Angela Marie Traven

Inventor's Signature: Angela Traven | Date (Optional): 5/8/13

Residence: City: San Marcos | State: CA | Country: US

Mailing Address: 1845 Lodgepole Road

City: San Marcos | State: CA | Zip: 92078 | Country: US

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	DEXCOM.225C3
	Application Number	
Title of Invention	REMOTE MONITORING OF ANALYTE MEASUREMENTS	

The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76.
This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.

Secrecy Order 37 CFR 5.2:

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

Inventor Information:

Inventor 1 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	Michael	Robert	Mensinger	

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

City	State/Province	Country of Residence
San Diego	CA	US

Mailing Address of Inventor:

Address 1	c/o DexCom, Inc.
Address 2	6340 Sequence Drive
City	San Diego
State/Province	CA
Postal Code	92121
Country	US

Inventor 2 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	Eric		Cohen	

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

City	State/Province	Country of Residence
San Diego	CA	US

Mailing Address of Inventor:

Address 1	c/o DexCom, Inc.
Address 2	6340 Sequence Drive
City	San Diego
State/Province	CA
Postal Code	92121
Country	US

Inventor 3 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	Phil		Mayou	

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

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	DEXCOM.225C3
	Application Number	
Title of Invention	REMOTE MONITORING OF ANALYTE MEASUREMENTS	

City	San Diego	State/Province	CA	Country of Residence i	US

Mailing Address of Inventor:

Address 1	c/o DexCom, Inc.		
Address 2	6340 Sequence Drive		
City	San Diego	State/Province	CA
Postal Code	92121	Country i	US

Inventor 4 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	Eli		Reihman	

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

City	San Diego	State/Province	CA	Country of Residence i	US

Mailing Address of Inventor:

Address 1	c/o DexCom, Inc.		
Address 2	6340 Sequence Drive		
City	San Diego	State/Province	CA
Postal Code	92121	Country i	US

Inventor 5 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	Katherine	Yerre	Koehler	

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

City	Solana Beach	State/Province	CA	Country of Residence i	US

Mailing Address of Inventor:

Address 1	c/o DexCom, Inc.		
Address 2	6340 Sequence Drive		
City	San Diego	State/Province	CA
Postal Code	92121	Country i	US

Inventor 6 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	Rian		Draeger	

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

City	San Diego	State/Province	CA	Country of Residence i	US

PTO/AIA/14 (11-15)
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	DEXCOM.225C3
	Application Number	
Title of Invention	REMOTE MONITORING OF ANALYTE MEASUREMENTS	

Mailing Address of Inventor:

Address 1	c/o DexCom, Inc.		
Address 2	6340 Sequence Drive		
City	San Diego	**State/Province**	CA
Postal Code	92121	**Country** i	US

Inventor 7 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	Angela	Marie	Traven	

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

City	San Marcos	**State/Province**	CA	**Country of Residence** i	US

Mailing Address of Inventor:

Address 1	c/o DexCom, Inc.		
Address 2	6340 Sequence Drive		
City	San Diego	**State/Province**	CA
Postal Code	92121	**Country** i	US

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

Correspondence Information:

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

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

Customer Number	68851		
Email Address	efiling@knobbe.com	Add Email	Remove Email

Application Information:

Title of the Invention	REMOTE MONITORING OF ANALYTE MEASUREMENTS		
Attorney Docket Number	DEXCOM.225C3	**Small Entity Status Claimed**	☐
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)	23	**Suggested Figure for Publication (if any)**	

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	DEXCOM.225C3
	Application Number	
Title of Invention	REMOTE MONITORING OF ANALYTE MEASUREMENTS	

Filing By Reference:

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

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

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

Publication Information:

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

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

Representative Information:

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

Please Select One:	● Customer Number	US Patent Practitioner	○ Limited Recognition (37 CFR 11.9)
Customer Number	68851		

Domestic Benefit/National Stage Information:

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

Prior Application Status	Pending		Remove
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)
	Continuation of	14/144532	2013-12-20

PTO/AIA/14 (11-15)
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	DEXCOM.225C3
	Application Number	
Title of Invention	REMOTE MONITORING OF ANALYTE MEASUREMENTS	

Prior Application Status	Pending		Remove
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)
14/144532	Continuation of	13842679	2013-03-15
Prior Application Status	Expired		Remove
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)
13842679	Claims benefit of provisional	61747717	2012-12-31
Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the **Add** button.			Add

Foreign Priority Information:

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

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

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

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

PTO/AIA/14 (11-15)
Approved for use through 04/30/2017. OMB 0651-0032
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	DEXCOM.225C3
	Application Number	
Title of Invention	REMOTE MONITORING OF ANALYTE MEASUREMENTS	

Authorization or Opt-Out of Authorization to Permit Access:

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

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

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

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

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

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

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

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

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

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

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

PTO/AIA/14 (11-15)
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	DEXCOM.225C3
	Application Number	
Title of Invention	REMOTE MONITORING OF ANALYTE MEASUREMENTS	

Applicant Information:

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

Applicant 1 — Remove

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

Clear

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

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

Name of the Deceased or Legally Incapacitated Inventor:

If the Applicant is an Organization check here. ☒

Organization Name	DexCom, Inc.		
Mailing Address Information For Applicant:			
Address 1	6340 Sequence Drive		
Address 2			
City	San Diego	**State/Province**	CA
Country	US	Postal Code	92121
Phone Number		Fax Number	
Email Address			

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

Assignee Information including Non-Applicant Assignee Information:

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

PTO/AIA/14 (11-15)
Approved for use through 04/30/2017. OMB 0651-0032
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	DEXCOM.225C3
	Application Number	
Title of Invention	REMOTE MONITORING OF ANALYTE MEASUREMENTS	

Assignee 1

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

Remove

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

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

Mailing Address Information For Assignee including Non-Applicant Assignee:

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

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

Signature:

Remove

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

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

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

Signature	/Rose M. Thiessen/			Date (YYYY-MM-DD)	2017-06-08
First Name	Rose M.	Last Name	Thiessen	Registration Number	40202

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

PTO/AIA/14 (11-15)
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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 contains a valid OMB control number.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	DEXCOM.225C3
	Application Number	
Title of Invention	REMOTE MONITORING OF ANALYTE MEASUREMENTS	

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 CooperationTreaty.

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

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

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

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.

Abbott Ex. 1002 - 149/848

Please Direct All Correspondence to Customer Number 68851

RESCISSION OF ANY PRIOR DISCLAIMERS AND REQUEST TO REVISIT ART

Inventor	:	Michael Robert Mensinger
App. No	:	Unknown
Filed	:	Herewith
For	:	REMOTE MONITORING OF ANALYTE MEASUREMENTS
Examiner	:	Unknown
Art Unit	:	Unknown
Conf #	:	Unknown

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

Dear Sir:

The claims of the present application are different and possibly broader in scope than the claims pursued in the parent application(s). To the extent any prior amendments or characterizations of the scope of any claim or referenced art could be construed as a disclaimer of any subject matter supported by the present disclosure, Applicant hereby rescinds and retracts such disclaimer. Accordingly, the references previously considered in the parent application(s) may need to be re-visited.

Please charge any additional fees, including any fees for additional extension of time, or credit overpayment to Deposit Account No. 11-1410.

Knobbe, Martens, Olson & Bear, LLP

Respectfully submitted,

Dated: June 8, 2017

/Rose M. Thiessen/
Rose M. Thiessen
Registration No. 40,202
Attorney of Record
Customer No. 68851
(858) 707-4000

25998433
052517

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
15/617,977	06/08/2017	Michael Robert Mensinger	DEXCOM.225C3

CONFIRMATION NO. 8138

68851
KNOBBE, MARTENS, OLSON & BEAR, LLP
DEXCOM, INC.
2040 MAIN STREET
FOURTEENTH FLOOR
IRVINE, CA 92614

FORMALITIES LETTER

OC000000092137497

Date Mailed: 06/19/2017

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

Items Required To Avoid Abandonment:

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing.

Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

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

SUMMARY OF FEES DUE:

The fee(s) required within **TWO MONTHS** from the date of this Notice to avoid abandonment is/are itemized below. No entity status discount is in effect. If applicant is qualified for small entity status, a written assertion of small entity status must be submitted to establish small entity status. (See 37 CFR 1.27). If applicant is qualified for micro entity status, an acceptable Certification of Micro Entity Status must be submitted to establish micro entity status. (See 37 CFR 1.29 and forms PTO/SB/15A and 15B.)

- $ **140** surcharge.
- $(**0**) previous unapplied payment amount.
- $ **140** TOTAL FEE BALANCE DUE.

Items Required To Avoid Processing Delays:

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

Abbott Ex. 1002 - 151/848

- A properly executed inventor's oath or declaration has not been received for the following inventor(s):
  Katherine Yerre Koehler

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

Replies should be mailed to:

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

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

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

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

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

/bto/

Abbott Ex. 1002 - 152/848

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
15/617,977	06/08/2017	2685	1600	DEXCOM.225C3	14	2

CONFIRMATION NO. 8138

FILING RECEIPT

68851
KNOBBE, MARTENS, OLSON & BEAR, LLP
DEXCOM, INC.
2040 MAIN STREET
FOURTEENTH FLOOR
IRVINE, CA 92614

OC000000092137496

Date Mailed: 06/19/2017

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

Inventor(s)

Michael Robert Mensinger, San Diego, CA;
Eric Cohen, San Diego, CA;
Phil Mayou, San Diego, CA;
Eli Reihman, San Diego, CA;
Katherine Yerre Koehler, Solana Beach, CA;
Rian Draeger, San Diego, CA;
Angela Marie Traven, San Marcos, CA;

Applicant(s)

DexCom, Inc., San Diego, CA;

Power of Attorney: The patent practitioners associated with Customer Number 68851

Domestic Priority data as claimed by applicant

This application is a CON of 14/144,532 12/30/2013 *
which is a CON of 13/842,679 03/15/2013
which claims benefit of 61/747,717 12/31/2012
(*)Data provided by applicant is not consistent with PTO records.

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

Permission to Access Application via Priority Document Exchange: Yes

Abbott Ex. 1002 - 153/848

Permission to Access Search Results: Yes

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

If Required, Foreign Filing License Granted: 06/15/2017
The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 15/617,977**
Projected Publication Date: 09/28/2017
Non-Publication Request: No
Early Publication Request: No
Title

REMOTE MONITORING OF ANALYTE MEASUREMENTS

Preliminary Class

340

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

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

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

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

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

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

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, http://www.stopfakes.gov. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific

countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

LICENSE FOR FOREIGN FILING UNDER

Title 35, United States Code, Section 184

Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

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

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

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

NOT GRANTED

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

SelectUSA

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

technology, manufacture products, deliver services, and grow your business, visit http://www.SelectUSA.gov or call +1-202-482-6800.

Abbott Ex. 1002 - 156/848

PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number: 15/617,977

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))	14 minus 20 =	*			OR	x 80 =	0.00
INDEPENDENT CLAIMS (37 CFR 1.16(h))	2 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	SMALL ENTITY RATE($)	SMALL ENTITY ADDITIONAL FEE($)	OR	OTHER THAN SMALL ENTITY RATE($)	OTHER THAN SMALL ENTITY ADDITIONAL FEE($)
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.

Please Direct All Correspondence to Customer Number 68851

RESPONSE TO FORMALITIES NOTICE

Inventor	:	Michael Robert Mensinger
App. No	:	15/617977
Filed	:	June 8, 2017
For	:	REMOTE MONITORING OF ANALYTE MEASUREMENTS
Examiner	:	Unknown
Art Unit	:	3735
Conf. No.	:	8138

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

Dear Sir:

The above-captioned application was filed without the $140 fee for late submission of inventor's oath or declaration. Enclosed in compliance with 37 CFR 1.16(s) and in response to the Notice of Missing Parts dated June 19, 2017, are the following;

(X) A Copy of the Notice to File Missing Parts

(X) $140 Fee for Late Submission of Inventor's Oath or Declaration

The Commissioner is hereby authorized to charge any additional fees which may be required, now or in the future, or credit any overpayment, to Account No. 11-1410.

/Rose M. Thiessen/
Rose M. Thiessen
Registration No. 40,202
Attorney of Record
Customer No. 68851
(858) 707-4000

26312362
071417

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
15/617,977	06/08/2017	Michael Robert Mensinger	DEXCOM.225C3

CONFIRMATION NO. 8138

68851
KNOBBE, MARTENS, OLSON & BEAR, LLP
DEXCOM, INC.
2040 MAIN STREET
FOURTEENTH FLOOR
IRVINE, CA 92614

FORMALITIES LETTER

OC000000092137497

Date Mailed: 06/19/2017

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

Items Required To Avoid Abandonment:

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing.

Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

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

SUMMARY OF FEES DUE:

The fee(s) required within **TWO MONTHS** from the date of this Notice to avoid abandonment is/are itemized below. No entity status discount is in effect. If applicant is qualified for small entity status, a written assertion of small entity status must be submitted to establish small entity status. (See 37 CFR 1.27). If applicant is qualified for micro entity status, an acceptable Certification of Micro Entity Status must be submitted to establish micro entity status. (See 37 CFR 1.29 and forms PTO/SB/15A and 15B.)

- $ **140** surcharge.
- $(**0**) previous unapplied payment amount.
- $ **140** TOTAL FEE BALANCE DUE.

Items Required To Avoid Processing Delays:

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

- A properly executed inventor's oath or declaration has not been received for the following inventor(s):
  Katherine Yerre Koehler

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

Replies should be mailed to:

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

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

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

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

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

/bto/

Abbott Ex. 1002 - 160/848

Electronic Patent Application Fee Transmittal

Application Number:	15617977
Filing Date:	08-Jun-2017
Title of Invention:	REMOTE MONITORING OF ANALYTE MEASUREMENTS
First Named Inventor/Applicant Name:	Michael Robert Mensinger
Filer:	Rose M. Thiessen/Genneth Munar
Attorney Docket Number:	DEXCOM.225C3

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:				
LATE FILING FEE FOR OATH OR DECLARATION	1051	1	140	140
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension-of-Time:				
Miscellaneous:				
			Total in USD ($)	**140**

Electronic Acknowledgement Receipt

EFS ID:	29797947
Application Number:	15617977
International Application Number:	
Confirmation Number:	8138
Title of Invention:	REMOTE MONITORING OF ANALYTE MEASUREMENTS
First Named Inventor/Applicant Name:	Michael Robert Mensinger
Customer Number:	68851
Filer:	Rose M. Thiessen/Daniela Lopez
Filer Authorized By:	Rose M. Thiessen
Attorney Docket Number:	DEXCOM.225C3
Receipt Date:	17-JUL-2017
Filing Date:	08-JUN-2017
Time Stamp:	14:17:18
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	$140
RAM confirmation Number	071817INTEFSW14175600
Deposit Account	111410
Authorized User	Daniela Lopez

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

37 CFR 1.16 (National application filing, search, and examination fees)

37 CFR 1.17 (Patent application and reexamination processing fees)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Applicant Response to Pre-Exam Formalities Notice	Response_to_Missing_Parts_DEXCOM_225C3.pdf	221124 e16ca92590a88eda86e2650031077cd9f2be8677	no	3
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	30399 64ff9570ca1e82553ccd75f49d1210ebffbb8a39	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	251523		

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
15/617,977	06/08/2017	Michael Robert Mensinger	DEXCOM.225C3

CONFIRMATION NO. 8138

68851
KNOBBE, MARTENS, OLSON & BEAR, LLP
DEXCOM, INC.
2040 MAIN STREET
FOURTEENTH FLOOR
IRVINE, CA 92614

INFORMAL NOTICE

OC000000092863348

Date Mailed: 07/19/2017

INFORMATIONAL NOTICE TO APPLICANT

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

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

- A properly executed inventor's oath or declaration has not been received for the following inventor(s):
  Katherine Yerre Koehler

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

/atesfai/

Abbott Ex. 1002 - 165/848

PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number: 15/617,977

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))	14 minus 20 =	*			OR	x 80 =	0.00
INDEPENDENT CLAIMS (37 CFR 1.16(h))	2 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	SMALL ENTITY RATE($)	SMALL ENTITY ADDITIONAL FEE($)	OR	OTHER THAN SMALL ENTITY RATE($)	OTHER THAN SMALL ENTITY ADDITIONAL FEE($)
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	

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

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

APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
15/617,977	06/08/2017	3735	1740	DEXCOM.225C3	14	2

CONFIRMATION NO. 8138

UPDATED FILING RECEIPT

68851
KNOBBE, MARTENS, OLSON & BEAR, LLP
DEXCOM, INC.
2040 MAIN STREET
FOURTEENTH FLOOR
IRVINE, CA 92614

OC000000092883347

Date Mailed: 07/19/2017

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

Inventor(s)

Michael Robert Mensinger, San Diego, CA;
Eric Cohen, San Diego, CA;
Phil Mayou, San Diego, CA;
Eli Reihman, San Diego, CA;
Katherine Yerre Koehler, Solana Beach, CA;
Rian Draeger, San Diego, CA;
Angela Marie Traven, San Marcos, CA;

Applicant(s)

DexCom, Inc., San Diego, CA;

Power of Attorney: The patent practitioners associated with Customer Number 68851

Domestic Priority data as claimed by applicant

This application is a CON of 14/144,532 12/30/2013 *
which is a CON of 13/842,679 03/15/2013
which claims benefit of 61/747,717 12/31/2012
(*)Data provided by applicant is not consistent with PTO records.

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

Permission to Access Application via Priority Document Exchange: Yes

Permission to Access Search Results: Yes

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

If Required, Foreign Filing License Granted: 06/15/2017
The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 15/617,977**
Projected Publication Date: 10/26/2017
Non-Publication Request: No
Early Publication Request: No
Title

REMOTE MONITORING OF ANALYTE MEASUREMENTS

Preliminary Class

600

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

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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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Complete if Known	
Application Number	15/617977
Filing Date	06/08/2017
First Named Inventor	Mensinger, Michael Robert
Art Unit	3735
Examiner Name	To be assigned
Attorney Docket Number	225C9

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	US- 5832448	11-03-1998	Brown, Stephen J.	
	2	US- 5897493	04-27-1999	Brown, Stephen J.	
	3	US- 6101478	08-08-2000	Brown, Stephen J.	
	4	US- 6168563	01-02-2001	Brown, Stephen J.	
	5	US- 6364834	04-02-2002	Reuss et al.	
	6	US- 6366871	04-02-2002	Geva et al.	
	7	US- 6368273	04-09-2002	Brown, Stephen J.	
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	1	WO 2010-040092	04-08-2010	Calamera, Pablo M.		
	2	WO 2012-108935	08-16-2012	Abbott Diabetes Care Inc.		
	3	WO 2012-108936	08-16-2012	Abbott Diabetes Care Inc.		
	4	WO 2012-108939	08-16-2012	Abbott Diabetes Care Inc.		
	5	WO 2012-108940	08-16-2012	Abbott Diabetes Care Inc.		

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Sheet 2 of 7

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	20	US- 7685005	03-23-2010	Riff et al.	
	21	US- 7811231	10-12-2010	Jin et al.	
	22	US- 7933781	04-26-2011	Bjorlin et al.	
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	40	US- 2005-0165627	07-28-2005	Fotsch et al.	
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	58	US- 2008-0319296	12-25-2008	Bernstein et al.	
	59	US- 2009-0005703	01-01-2009	Fasciano, Robert W.	
	60	US- 2009-0203973	08-13-2009	Donoghue et al.	
	61	US- 2010-0082364	04-01-2010	Taub et al.	
	62	US- 2010-0088387	04-08-2010	Calamera, Pablo M.	
	63	US- 2010-0131294	05-27-2010	Venon et al.	
	64	US- 2010-0191075	07-29-2010	Angelides	
	65	US- 2010-0249625	09-30-2010	Lin, Dongping	
	66	US- 2010-0265073	10-21-2010	Harper, Wesley Scott	
	67	US- 2010-0030596	12-02-2010	Benjamin et al.	
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	69	US- 2011-0105854	05-05-2011	Kiani et al.	
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	72	US- 2011-0149759	06-23-2011	Jollota, James	
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	74	US- 2011-0160544	06-30-2011	Hayter, Gary A.	
	75	US- 2011-0161111	06-30-2011	Dicks et al.	
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	77	US- 2011-0234406	09-29-2011	Young, Valerie J.	
	78	US- 2011-0289497	11-24-2011	Klaie et al.	
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	93	US- 2013-0173742	07-04-2013	Thomas et al.	
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	97	US- 2014-0184423	07-03-2014	Mensinger et al.	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 7 of 71

Complete if Known	
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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	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, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
	1	American Diabetes Association (2009), Diabetes Care 32(Suppl 1):S13-S61. Standards of Medical Care in Diabetes - 2009	
	2	Dassau et al. (2009), Journal of Diabetes 3(6):1501-1506. Enhanced 911/Global Position System Wizard: A Telemedicine Application for the Prevention of Sever Hypoglycemia - M	
	3	Garg et al. (2006), Diabetes Care 29(1):44-50. Improvement in Glycemic Excursions with a Transcutaneous, Real-Time Continuous Glucose Sensor: A Randomized Controlled Trial	
	4	Hirsch and Brownlee (2005), Journal of Diabetes and its Complications 19:178-181. Should Minimal Blood Glucose Variability Become the Gold Standard of Glycemic Control?	
	5	Kovatchev et al. (2003), Diabetes Technology & Therapeutics 5(5):817-828. Algorithmic Evaluation of Metabolic Control and Risk of Sever Hypoglycemia in Type 1 and Type 2 Diab	
	6	Marling et al. (2011), Journal of Diabetes Science & Technology 5(4):871-878. Characterizing Blood Glucose Variability Using New Metrics with Continuous Glucose Monitoring Da	
	7	Penckofer et al. (2012), Diabetes Technology & Therapeutics 14(4):303-310. Does Glycemic Variability Impact Mood and Quality of Life?	
	8	Wiley et al. (2011), 2011 10th International Conference on Machine Learning and Applications, IEEE Computer Sociaty pp. 148-154. Automatic Detection of Excessive Glycemic Var	

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Docket No. 225C9

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant	:	DexCom, Inc.
Inventors	:	Michael Robert Mensinger, et al.
App. No	:	15/617977
Filed	:	08-June-2017
For	:	REMOTE MONITORING OF ANALYTE MEASUREMENTS
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CERTIFICATE OF TRANSMITTAL UNDER 37 C.F.R. 1.8

I hereby certify that this paper (along with anything referred to as being attached or enclosed) is being filed electronically via EFS-Web at the United States Patent and Trademark Office on 25 August 2017

By: Renee Zavala

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
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Dear Sir:

Submitted herewith in the above-identified application is an Information Disclosure Statement listing references for consideration. In accordance with 37 C.F.R. §1.98(a)(2)(ii), Applicant submits herewith copies of all cited references, other than copies of U.S. patents or U.S. patent publications. It is respectfully requested that the Examiner initial and return a copy of the enclosed Form PTO/SB/08, and indicate in the official file wrapper of this patent application that the documents listed therein have been considered.

This Information Disclosure Statement is being filed within three months of the U.S. filing date or the date of national phase entry, before the first mailing date of a first Office Action on the merits, with an RCE, or before the first Office Action on the merits after an RCE has been filed, and Applicants believe that no statement under 37 C.F.R. §1.97(e) or fee is required. If this is incorrect and a fee is due, the Commissioner is hereby authorized to charge that amount to Deposit Account No. 506176, referencing Applicant Docket No. 225C9. Further, the Commissioner is hereby authorized to charge all fees and credit all overpayments to Deposit Account No. 506176 during the pendency of this application.

Respectfully submitted,
DEXCOM, INC.

Dated: Aug 23, 2017

By: Mark D. Wieczorek, PTO Reg. No. 37,966

Customer Number 68851
DEXCOM, INC.
6340 Sequence Drive
San Diego, CA 92121
Telephone: 858.875.9786

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(71) Applicant *(for all designated States except US)*: **ABBOTT DIABETES CARE INC.** [US/US]; 1360 South Loop Road, Alameda, California 94502 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **GOPAL, Mani** [IN/US]; 1520 Oak Rim Drive, Hillsborough, California 94010 (US). **HAYTER, Gary A.** [US/US]; 4409 Harbord Drive, Oakland, California 94618 (US). **DUNN, Timothy C.** [US/US]; 812 Clayton Street, San Francisco, California 94117 (US). **BERNSTEIN, Daniel M.** [US/US]; P.O. Box 1236, El Granada, California 94018 (US). **DAVIS, Eric** [US/US]; 3380 Sydney Way, Castro Valley, California 94546 (US). **BRADRICK, Brittany K.** [US/US]; 425 1st Street, #1508, San Francisco, California 94105 (US). **WINKLER, Todd** [US/US]; 3185 Aeronca Way, Cameron Park, California 95682 (US).

(74) Agent: **BABA, Edward J.**; 1900 University Avenue, Suite 200, East Palo Alto, California 94303 (US).

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(54) **Title**: ANALYTICS AND DATA MINING IN CLOUD FOLLOWING UPLOAD OF ANALYTE DATA VIA GSM OR CDM

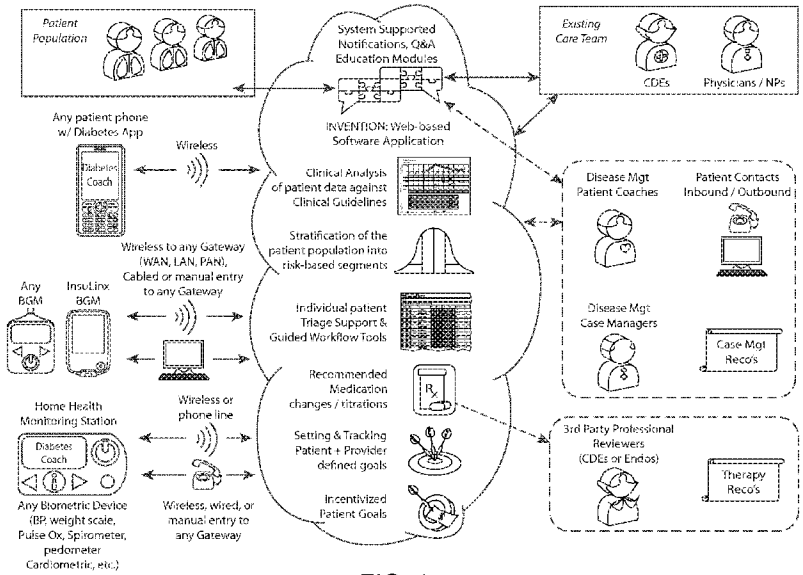


FIG. 1

(57) **Abstract**: Presented herein is a web-based software application that clinically analyzes multiple sources of diabetes patient data against codified care plan guidelines. The software application creates risk-based stratifications of a patient population, initiates rule-based notifications, allocates care provider resources, guides role-based workflow, manages patient communications, and provides therapy recommendations.

WO 2012/108940 A1

ANALYTICS AND DATA MINING IN CLOUD FOLLOWING UPLOAD OF ANALYTE DATA VIA GSM OR CDM

CROSS-REFERENCE TO RELATED APPLICATIONS

[0001] Pursuant to 35 U.S.C. § 119(e), this application claims priority to U.S. Provisional Application No. 61/442,097 filed on February 11, 2011, the disclosure of which is herein incorporated by reference in its entirety.

[0002] This application is related to U.S. Provisional Application No. 61/442,085 filed on February 11, 2011; U.S. Provisional Application No. 61/486,117 filed on May 13, 2011; U.S. Provisional Patent Application No. 61/442,063 filed on February 11, 2011; U.S. Provisional Application No. 61/442,092 filed on February 11, 2011; U.S. Provisional Application No. 61/485,840 filed on May 13, 2011; and U.S. Provisional Application No. 61/442,093 filed on February 11, 2011, the disclosures of which are all incorporated herein by reference in their entirety and for all purposes.

BACKGROUND OF THE INVENTION

The Field of the Invention

[0003] The present invention relates to diabetes management systems. More specifically, the present invention relates to a web-based diabetes management/monitoring software application.

Background

[0004] Healthcare organizations and care providers, such as disease management companies, have a responsibility of providing continuous care to their patient populations. To effectively carry out this responsibility, these care organizations must appropriately allocate their resources (i.e., triage) across the criticality of needs within their patient populations. Such triage activity relies upon patients to notify their care providers about their status, and the care providers to initiate an appropriate workflow in response.

[0005] Current diabetes management systems have several disadvantages. First, diabetes patients are often unaware when their health status departs from pre-defined boundaries of their normal care plan. These departures may go unnoticed, or slowly growing and

Abbott Ex. 1002 - 180/848

worsening, especially if the departures are episodic. Second, in severe cases of departure from normal status, diabetes patients may become incapacitated and unable to contact their care providers. Third, care providers who are contacted by patients must rely upon self-reported symptoms to triage criticality. These self-reported symptoms often disguise the true causality or severity, which may result in a dangerous under/over estimation of criticality. Further, the procedures that care providers initiate in response to patient status are commonly guided by standards of care. The workflows that underlie those procedures, however, are typically not well-defined or appropriately monitored. As such, care provider resources are used efficiently. Finally, care providers base their therapy decisions upon the patient data at hand. In many clinical settings, the process of accessing patient self-monitoring data is inconsistent and results in inefficient workflows that undermine the care provider's efforts to collect the data. In cases where these obstacles are overcome, the acquired self-monitoring data typically lacks appropriate analysis and does not insightfully guide therapy decisions. As a result, clinical therapy decisions are primarily guided by point-in-time lab test results that do not depict important health patterns, which fully analyzed self-monitoring data can reveal. Without a full depiction of the patient's status, prescribed therapies are typically under-informed and lack appropriate levels of effectiveness.

BRIEF SUMMARY

[0006] Presented herein is a web-based system (e.g., software application) that clinically analyzes multiple sources of diabetes patient data against codified care plan guidelines. The software application creates risk-based stratifications of a patient population, initiates rule-based notifications, allocates care provider resources, guides role-based workflow, manages patient communications, and provides therapy recommendations.

BRIEF DESCRIPTION OF THE FIGURES

[0007] The accompanying drawings, which are incorporated herein, form part of the specification. Together with this written description, the drawings further serve to explain the principles of, and to enable a person skilled in the relevant art(s), to make and use the present invention.

[0008] **FIG. 1** provides a schematic illustration of one aspect of the present invention.

[0009] **FIG. 2** provides a schematic illustration of another aspect of the present invention.

Abbott Ex. 1002 - 181/848

DETAILED DESCRIPTION OF THE INVENTION

[0010] Before the embodiments of the present disclosure are described, it is to be understood that this invention is not limited to particular embodiments described, as such may, of course, vary. It is also to be understood that the terminology used herein is for the purpose of describing particular embodiments only, and is not intended to be limiting, since the scope of the embodiments of the invention will be limited only by the appended claims.

[0011] In one embodiment, there is provided a diabetes management system that clinically analyzes multiple sources of diabetes patient data against codified care plan guidelines. The system may be in the form of a web-based software application. The system may create risk-based stratifications of a patient population, initiate rule-based notifications, allocate care provider resources, guide role-based workflows, provide therapy recommendations, and/or real-time/retrospective clinical analysis.

[0012] In one embodiment, diabetes patient data is uploaded to a web-based software application. The software application then compares the data against care plan guidelines established by a health care provider, payor, care provider organization, medical association, government standard board, or any combination thereof. The software application can then use clinical algorithms to assign a status value to the patient. The status value may represent triage criteria, such as status criticality, regimen adherence, data recency, and/or usual care schedule (including lab results and completeness metrics). The patient's assigned status value(s) are correlated with the rest of the patient population under care to produce sortable stratifications for the care managers. The care managers then use these stratifications to allocate health provider resources according to their care roles.

[0013] In one embodiment, health providers receive their assigned responsibilities and use the system to guide their workflows in the performance of their assigned responsibilities. As tasks are completed, and procedural results are logged, the system continually processes newly entered data against clinical guidelines to adapt the workflows and notify hand-offs between care provider roles.

[0014] In another embodiment, the system gathered data is used to provide therapy recommendations. For example, the system may include a therapy recommendation engine. The therapy recommendation engine may be configured to enforce adherence to established clinical guidelines and cost efficiencies. These configuration mechanisms are represented by: 1) a list of medications where payors select/deselect medications depending on their willingness to pay for the medication (the deselected medications

Abbott Ex. 1002 - 182/848

would not be included in the possible recommended treatment paths); 2) a list of allowable treatment guidelines, which includes glucose measurement methods, glucose measurement frequency, clinical visit frequency, and/or specialist referrals; and 3) diabetes metric thresholds such as mean glucose, HbA1C, and hypoglycemia frequency, which can be configured to conditionally approve certain medications and treatments.

[0015] In yet another embodiment, the system provides patients with guidance that supports their adherence to prescribed regimens. The prescribed regimen may be translated into a task and schedule list that may be electronically published to a patient's local device. The patient's local device may be a blood glucose meter, a mobile phone, local kiosk, or a home health monitoring hub. System software on the patient's device guides the patient's adherence to the published regimen, and provides escalated notifications when their adherence level drops. According to rules configured within the system, these notifications may be routed to any stakeholder using the diabetes management system; including family members, care providers, payors, etc.

[0016] The system may further communicate, in parallel, to a variety of patient endpoints. This communication may be electronic messaging or voice telephony. These endpoints may be, for example: multiple patient devices that operate locally-resident components of the system software, such as blood glucose meters, mobile phones, or home health monitoring hubs; email addresses; telephone numbers; etc.

[0017] Various protocols may be provided to implementing the diabetes management system. For example, the patient's data may be automatically uploaded whenever a new data set has been produced, and a data connection is present. Alternatively, the patient's data may be automatically uploaded according to synchronization rules held in the web-based application, and pushed to the patient device through data communication channels. In another example, the patient's data may be uploaded by a patient-initiated action, prompted through a notification alert generated by the web-based application rules pushed to the patient device through the data communication channels.

[0018] In one embodiment, the diabetes management system includes patient communications means, which includes automated notifications that are managed between multiple devices registered to a single patient. Such patient communication means are governed by a content management system component, which appropriately adapts the communication for the device class, device capability, and patient set preferences. in the case of data conflicts due to connection persistence, or lack thereof, trickle synch methods compare the conflicts to establish a master record and modify each slave record according to synchronization rules such as overwrite, append, or ignore.

Abbott Ex. 1002 - 183/848

The data analysis results produced by the web-based application may be published in the care providers electronic health record system.

[0019] **FIG. 1** provides a schematic illustration of one aspect of the present invention. As shown in FIG. 1, a patient population (left side of schematic) communicates data to a cloud, network, or centralized database. The communication between the patient population and the cloud, network, or centralized database may be through one or more patient devices such as mobile phones with diabetes application software; wired or wireless BG meters; home health monitoring systems; or any other biometric device configured to communicate with the cloud, network, or centralized database.

[0020] The cloud, network, or centralized database includes a system support and notification engine; a clinical analysis engine; a patient stratification engine; an individual patient triage engine; a recommendation engine; a setting & tracking engine; and/or a patient incentive engine. Each of such engines provides information, and may be managed by, one or more HCPs (right side of schematic) for the patient population. As such, FIG. 1 presents a robust diabetes management system.

[0021] **FIG. 2** provides a schematic illustration of another aspect of the present invention. FIG. 2 shows the three vertical levels of the present invention. The first vertical level is the patient population with individual diabetes monitoring, data collection, and data communication devices. The patient population sends data to the second and third vertical levels, and receive analysis/instructions from the second and third vertical levels, through their individual devices. The second vertical level is a web-based software application including one or more of the above-listed software engines. The third vertical level is the HCP network, which includes: a core patient care team; an augmented care team; and/or expert advice resources. The flow of information can be managed accordingly such that the most efficient use of the HCPs' time can be used. In other words, only patients with the highest degree of need, would receive the highest level of HCP attention.

[0022] The system presented herein provides several advantages over the current practices. First, automatically collected patient data, from several sources, is combined and clinically analyzed to produce an accurate assessment of patient condition. This patient condition is analyzed against codified care plan guidelines to automatically recognize exceptions and grade their criticality. Patient status is accurately monitored without reliance on patient recognition of symptoms and self-reporting. Second, in severe cases of patient incapacitation, the automated process of collecting and analyzing patient data may still occur, and the appropriate notifications automatically sent to care

Abbott Ex. 1002 - 184/848

providers. Third, when care providers receive exception-based notifications, the system provides them with a data-supported clinical analysis of patient condition, which enables clinical judgments superior to those made with only patient self-reported symptoms. Further, the system contains codified workflows that guide appropriately triaged clinical responses to each patient's status. These workflows allocate the proper care provider roles, guide their clinical procedures, track their completion status, modify the workflows in accordance with procedural findings, and coordinate the handoffs between different care provider roles. As a result, health provider resources are more efficiently allocated and utilized across the collective needs of the patient population. Finally, the automatically collected and analyzed patient data is readily accessible to care providers through a consistent and efficient workflow. This data analysis includes a comparison of alternative treatment regimens against evidence-based clinical guidelines to suggest the most appropriate therapy choices. As a result, care providers' prescribed therapies are much more informed and effective.

[0023] In one embodiment, the systems and methods presented herein are used to provide personalized trials for patients with individualized treatments, medications, or regimens. Real-time or short-term data can be provided to the HCP in a feedback loop for the HCP to determine if/how the trial is working for the patient. The systems may also include algorithms for determining how the patient is doing within the personalized trial.

[0024] The types diabetes medications disclosed herein include insulin and other diabetes medications such as alpha-glucosidase inhibitors, amylin analogs, SGLT2 inhibitors, and the like.

[0025] In one embodiment, the systems and methods presented herein are resident in EMR/PHR systems. The systems and methods can be context sensitive and self-populate within the EMR/PHR system.

Conclusion

[0026] The foregoing description of the invention has been presented for purposes of illustration and description. It is not intended to be exhaustive or to limit the invention to the precise form disclosed. Other modifications and variations may be possible in light of the above teachings. The embodiments were chosen and described in order to best explain the principles of the invention and its practical application, and to thereby enable others skilled in the art to best utilize the invention in various embodiments and various modifications as are suited to the particular use contemplated. It is intended that the

Abbott Ex. 1002 - 185/848

appended claims be construed to include other alternative embodiments of the invention; including equivalent structures, components, methods, and means.

[0027] It is to be appreciated that the Detailed Description section, and not the Summary and Abstract sections, is intended to be used to interpret the claims. The Summary and Abstract sections may set forth one or more, but not all exemplary embodiments of the present invention as contemplated by the inventor(s), and thus, are not intended to limit the present invention and the appended claims in any way.

[0028] Where a range of values is provided, it is understood that each intervening value, to the tenth of the unit of the lower limit unless the context clearly dictates otherwise, between the upper and lower limits of that range is also specifically disclosed. Each smaller range between any stated value or intervening value in a stated range and any other stated or intervening value in that stated range is encompassed within the invention. The upper and lower limits of these smaller ranges may independently be included or excluded in the range, and each range where either, neither or both limits are included in the smaller ranges is also encompassed within the invention, subject to any specifically excluded limit in the stated range. Where the stated range includes one or both of the limits, ranges excluding either or both of those included limits are also included in the invention.

[0029] In the description of the invention herein, it will be understood that a word appearing in the singular encompasses its plural counterpart, and a word appearing in the plural encompasses its singular counterpart, unless implicitly or explicitly understood or stated otherwise. Merely by way of example, reference to "an" or "the" "analyte" encompasses a single analyte, as well as a combination and/or mixture of two or more different analytes, reference to "a" or "the" "concentration value" encompasses a single concentration value, as well as two or more concentration values, and the like, unless implicitly or explicitly understood or stated otherwise. Further, it will be understood that for any given component described herein, any of the possible candidates or alternatives listed for that component, may generally be used individually or in combination with one another, unless implicitly or explicitly understood or stated otherwise. Additionally, it will be understood that any list of such candidates or alternatives, is merely illustrative, not limiting, unless implicitly or explicitly understood or stated otherwise.

[0030] Various terms are described to facilitate an understanding of the invention. It will be understood that a corresponding description of these various terms applies to corresponding linguistic or grammatical variations or forms of these various terms. It will also be understood that the invention is not limited to the terminology used herein,

Abbott Ex. 1002 - 186/848

or the descriptions thereof, for the description of particular embodiments. Merely by way of example, the invention is not limited to particular analytes, bodily or tissue fluids, blood or capillary blood, or sensor constructs or usages, unless implicitly or explicitly understood or stated otherwise, as such may vary.

[0031] The publications discussed herein are provided solely for their disclosure prior to the filing date of the application. Nothing herein is to be construed as an admission that the embodiments of the invention are not entitled to antedate such publication by virtue of prior invention. Further, the dates of publication provided may be different from the actual publication dates which may need to be independently confirmed.

[0032] The detailed description of the figures refers to the accompanying drawings that illustrate an exemplary embodiment of an analyte measurement system. Other embodiments are possible. Modifications may be made to the embodiment described herein without departing from the spirit and scope of the present invention. Therefore, the following detailed description is not meant to be limiting.

[0033] Certain embodiments presented herein relate to electrical interfaces in measurement devices. Measurement devices often have electrical interfaces that allow them to electrically connect with another device or apparatus and perform an analysis of an analyte. A device that measures blood glucose levels, for example, includes electrical interfaces that allow the device to measure the blood glucose level from a small blood sample.

Abbott Ex. 1002 - 187/848

CLAIMS

What is claimed is:

1. A diabetes management system, comprising:

a plurality of analyte measurement devices distributed over a patient population;

a centralized server having a web-based software application, wherein the software application includes instructions executable by a processing device, wherein, when executed, the instructions cause the processor to perform one or more functions selected from the group consisting of: patient support notifications, clinical analysis of patient data, stratification of patient population in risk-based segments, individual patient triage, medication recommendations, setting and tracking of patient or provider defined goals, titration, change of medication amount, change of medication timing, change of medication type, and incentive patient goals; and

a network receiving information from the centralized server and managing the functions performed by the web-based software application on the centralized server.

2. The diabetes management system of claim 1, wherein the plurality of analyte measurement devices communicate with the centralized server via a wired or wireless network.

3. The diabetes management system of any of the previous claims, wherein the plurality of analyte measurement devices communicate with the centralized server via a cellular network.

4. The diabetes management system of any of the previous claims, wherein the plurality of analyte measurement devices include: a cellular phone with a diabetes software application, a blood glucose meter, a home health monitoring system, or other biometric device.

5. The diabetes management system of claim 4, wherein the other biometric device is selected from the group consisting of: a blood pressure measurement device, a weight scale, a pulse oximeter, a spirometer, a pedometer, and a cardiometric measurement device.

6. A diabetes management system for clinically analyzing multiple sources of diabetes patient data against codified care plan guidelines, comprising:

a web-based software application having instructions executable by a processing device, wherein, when executed, the instructions cause the processor to

Abbott Ex. 1002 - 188/848

create risk-based stratifications of a patient population,

initiate rule-based notifications,

allocate care provider resources,

guide role-based workflows, and

provide therapy recommendations.

7. A diabetes management system for clinically analyzing multiple sources of diabetes patient data against codified care plan guidelines, comprising:

a web-based software application having instructions executable by a processing device, wherein, when executed, the instructions cause the processor to

uploaded patient data to the web-based software application,

compare the data against care plan guidelines established by a health care provider, payor, care provider organization, medical association, government standard board, or any combination thereof,

use clinical algorithms to assign a status value to the patient, wherein the status value represents triage criteria selected from the group consisting of: status criticality, regimen adherence, data recency, and usual care schedule, and

correlate the patient's assigned status value(s) the rest of the patient population under care to produce sortable stratifications for the care managers.

8. The diabetes management system of claim 7, wherein the care managers use the stratifications to allocate health provider resources according to their care roles.

9. The diabetes management system of any of claims 7 or 8, wherein the care managers receive assigned responsibilities and use the web-based software application to guide their workflows in the performance of their assigned responsibilities.

10. The diabetes management system of any of claims 7-9, wherein as tasks are completed, and procedural results are logged, the web-based software application continually processes newly entered data against clinical guidelines to adapt the workflows and notify hand-offs between care manager roles.

11. The diabetes management system of any of claims 7-10, wherein the web-based software application further includes instructions executable by a processing device, wherein, when executed, the instructions cause the processor to provide therapy recommendations.

Abbott Ex. 1002 - 189/848

12. The diabetes management system of claim 11, wherein the therapy recommendations enforce adherence to established clinical guidelines and cost efficiencies.

13. The diabetes management system of claim 12, wherein the web-based software application further includes instructions that provide:

a list of medications to select/deselect medications,

a list of treatment guidelines, which includes glucose measurement methods, glucose measurement frequency, clinical visit frequency, and specialist referrals, and

diabetes metric thresholds such as mean glucose, HbA1C, and hypoglycemia frequency.

14. A diabetes management system for clinically analyzing multiple sources of diabetes patient data against codified care plan guidelines, comprising:

a web-based software application having instructions executable by a processing device, wherein, when executed, the instructions cause the processor to provide patients with guidance that supports their adherence to prescribed regimens, wherein the prescribed regimen may be translated into a task and schedule list that may be electronically published to a patient's local device.

15. The diabetes management system of claim 14, wherein the patient's local device is selected from the group consisting of: a blood glucose meter, a mobile phone, and a home health monitoring hub.

16. The diabetes management system of claim 15, wherein software on the patient's device guides the patient's adherence to the prescribed regimen, and wherein software on the patient's devices provides escalated notifications when the patient's adherence to the prescribed regimen drops, or lack of interaction.

17. The diabetes management system of claim 16, wherein the notifications are routed to a family member, a care provider, or a payor.

Abbott Ex. 1002 - 190/848

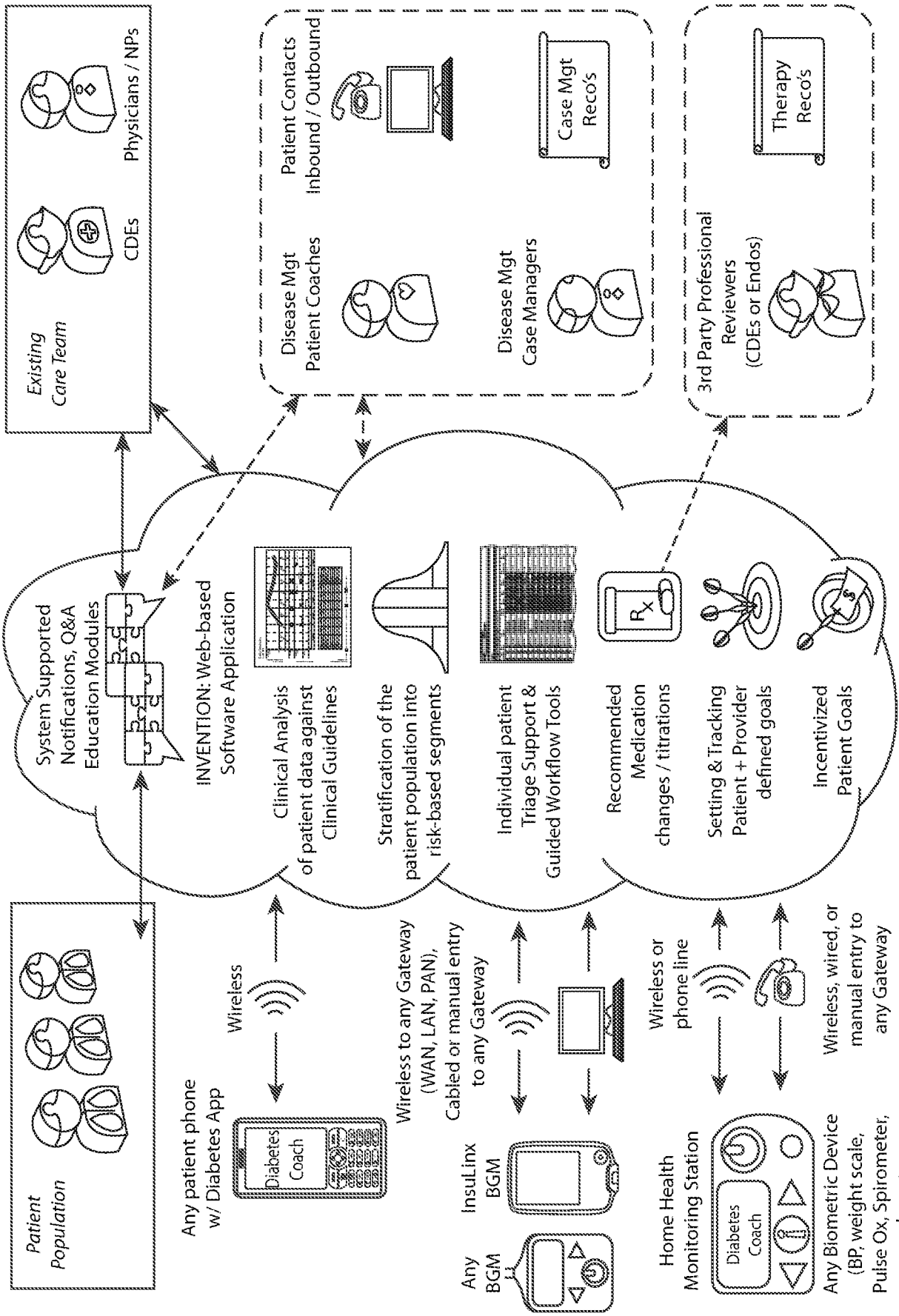

Existing Care Team
CDEs
Physicians / NPs
Disease Mgt Patient Coaches
Patient Contacts Inbound / Outbound
Disease Mgt Case Managers
Case Mgt Reco's
3rd Party Professional Reviewers (CDEs or Endos)
Therapy Reco's
System Supported Notifications, Q&A Education Modules
INVENTION: Web-based Software Application
Clinical Analysis of patient data against Clinical Guidelines
Stratification of the patient population into risk-based segments
Individual patient Triage Support & Guided Workflow Tools
Recommended Medication changes / titrations
Setting & Tracking Patient + Provider defined goals
Incentivized Patient Goals
Patient Population
Any patient phone w/ Diabetes App
Wireless
Diabetes Coach
Wireless to any Gateway (WAN, LAN, PAN), Cabled or manual entry to any Gateway
InsuLinx BGM
Any BGM
Wireless or phone line
Home Health Monitoring Station
Diabetes Coach
Any Biometric Device (BP, weight scale, Pulse Ox, Spirometer, pedometer Cardiometric, etc.)
Wireless, wired, or manual entry to any Gateway

FIG. 1

Patient Population
Diabetes Data Gathering Devices
• Captures & forwards patient data
• Gives immediate patient feedback
Patient celiphone application
Diabetes Coach
BG Meter application
Diabetes Coach
Home Health Monitoring Station
Diabetes Coach
Web-based Software Application
Patient Communication & Adherence Support
• Systemized regimen guidance
• Routine & Exception-based Notifications
• Secure Q&A communication
• Individualized patient education
Cutomizable suite of Clinical Efficiency tools
• Patient population management
• Patient-specific therapy guidance
Clinical Analysis of patient data against Clinical Guidelines
Stratification of the patient population into risk-based segments
Individual patient Triage Support & Guided Workflow Tools
Recommended Medication changes / titrations
CDEs
Physicians / NPs
Core patient care team
Improved patient population outcomes
DM Case Managers
DM Patient Coaches
Augmented care team
Reduced costs for disease management
3rd Party Professional Clinical Reviewers
Expert advice resources
Improved provider Therapy Decisions

FIG. 2

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US 11/66615

A. CLASSIFICATION OF SUBJECT MATTER
IPC(8) - G06F 7/00 (2012.01)
USPC - 707/776
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
707/776

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
604/504 | 707/602 | 707/941

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
PubWEST(USPT, PGPB, EPAB, JPAB): Google Scholar; diabetes management system, server, medicine, drugs, prescription, regimen, guidelines, cellular network, analtye, tool, web, patient, doctor, physician, notifications, alert, message,

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2011/0015511 A1 (Bousamra et al.) 20 January 2011 (20.01.2011) entire document (especially para [0026],[0065],[0083],[0088]).	1-3, 6-9, and 14-17
X	US 2010/0274592 A1 (Nitzan et al.) 28 October 2010 (28.10.2010) entire document (especially para [0003],[0008],[0069]-[0072],[0088]-[0089],[0098]-[0099], [0178],[0229])	1-3, 6-9, and 14-17
A	US 2004/0054263 A1 (Moerman) 18 March 2004 (18.03.2004) entire document	1-3, 6-9, and 14-17

☐ Further documents are listed in the continuation of Box C. ☐

* Special categories of cited documents:
"A" document defining the general state of the art which is not considered to be of particular relevance
"E" earlier application or patent but published on or after the international filing date
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
"O" document referring to an oral disclosure, use, exhibition or other means
"P" document published prior to the international filing date but later than the priority date claimed
"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
20 April 2012 (20.04.2012)	03 MAY 2012
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US, Commissioner for Patents P.O. Box 1450, Alexandria, Virginia 22313-1450 Facsimile No. 571-273-3201	Authorized officer: Lee W. Young PCT Helpdesk: 571-272-4300 PCT OSP: 571-272-7774

Form PCT/ISA/210 (second sheet) (July 2009)

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US 11/66615

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. ☒ Claims Nos.: 4-5, 10-13
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.

2. ☐ As all searchable claims could be searched without effort justifying additional fees, this Authority did not invite payment of additional fees.

3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.

☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.

☐ No protest accompanied the payment of additional search fees.

Abbott Ex. 1002 - 194/848

Electronic Acknowledgement Receipt

EFS ID:	30190539
Application Number:	15617977
International Application Number:	
Confirmation Number:	8138
Title of Invention:	REMOTE MONITORING OF ANALYTE MEASUREMENTS
First Named Inventor/Applicant Name:	Michael Robert Mensinger
Customer Number:	68851
Filer:	Mark D. Wieczorek/Renee Zavala
Filer Authorized By:	Mark D. Wieczorek
Attorney Docket Number:	DEXCOM.225C3
Receipt Date:	25-AUG-2017
Filing Date:	08-JUN-2017
Time Stamp:	17:32:29
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		2017-0825-InitialIDS-225C9.pdf	803246 150e379af28ad6c9efde9099e3809bbdf10e3bbf	yes	8

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Information Disclosure Statement (IDS) Form (SB08)	2	8
	Transmittal Letter	1	1

Warnings:					
Information:					
2	Foreign Reference	WO-2010-040092-A1.pdf	3668528 72d7ff808e61d3040a9bd3c6e5fdf2b937c57a1f	no	39
Warnings:					
Information:					
3	Foreign Reference	WO-2012-108935-A1.pdf	4397517 51ff58b34915980e96efeb7af30647288b1b6927	no	40
Warnings:					
Information:					
4	Foreign Reference	WO-2012-108936-A1.pdf	3775495 c673477116a8090e11d3eea9eaf650dd8260eb6d	no	32
Warnings:					
Information:					
5	Foreign Reference	WO-2012-108939-A1-Part1of2.pdf	9002148 481bb63695b715da20461fa20a8db9333c5c3aae	no	70
Warnings:					
Information:					
6	Foreign Reference	WO-2012-108939-A1-Part2of2.pdf	5780648 ff39e3f92e64449a4b4e1cdad4cbd875c5ab292d	no	73
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Information:					
7	Foreign Reference	WO-2012-108940-A1.pdf	2063972 9d0dddf439f36569dcba55a89f4d5f9165d0a9b3	no	16
Warnings:					

Information:					
8	Non Patent Literature	ADA-2007-DiabCare-StdsCare.pdf	437404 779c74f7b5d50dea73425db63bab44e989778885	no	38
Warnings:					
Information:					
9	Non Patent Literature	Dassau-2009-DiabTechTher.pdf	2711088 e82a95cc67d75407dc57a647bac60973dcb5a736	no	8
Warnings:					
Information:					
10	Non Patent Literature	Garg-2006-DiabCare.pdf	1005039 e48fe5815e699bb2f10715c3d7564d0fb9482628	no	7
Warnings:					
Information:					
11	Non Patent Literature	Hirsch-Brownlee-2005-JDiabCompl.pdf	120850 3c20ff986ce47c1c229f2cc6b1864c8da8e85417	no	4
Warnings:					
Information:					
12	Non Patent Literature	Kovatchev-2003-DiabTechTher.pdf	294074 abdb3ed275372f846f5e551371e7854ca8e819bf	no	15
Warnings:					
Information:					
13	Non Patent Literature	Marling-2011-JDiabSciTech.pdf	1391223 e3bd1ba5f2d72264b8ad4492fcd165c9363d6b8b	no	8
Warnings:					
Information:					
14	Non Patent Literature	Penckofer-2012-DiabTechTher.pdf	609548 4d00f58a7df21a352e81ef675dee8c8c4b28d114	no	9
Warnings:					
Information:					

15	Non Patent Literature	Wiley-2011-IntlConfMachineLrngApp.pdf	994304 2e57dbc03c5be9c2a6b0f8b12f3aeeb46f496305	no	7

Warnings:	
Information:	
Total Files Size (in bytes):	37055084

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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

First Inventor	:	Michael Robert Mensinger
App. No.	:	15/617977
Filed	:	June 8, 2017
For	:	REMOTE MONITORING OF ANALYTE MEASUREMENTS
Examiner	:	Unknown
Art Unit	:	3735
Conf. No.	:	8138

PRELIMINARY AMENDMENT

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

Dear Commissioner:

Prior to the examination of the above-identified application on the merits, please amend the application as follows.

Amendments to the Specification begin on page 2 of this paper.

Remarks/Arguments begin on page 3 of this paper.

Abbott Ex. 1002 - 199/848

AMENDMENTS TO THE SPECIFICATION

Please amend paragraph [001] of the specification as follows, with deletions indicated by strikethrough and additions by underline.

[001] Any and all priority claims identified in the Application Data Sheet, or any correction thereto, are hereby incorporated by reference under 37 CFR 1.57. This application is a continuation of U.S. Application No. 14/144,532, filed December ~~20~~ 30, 2013, which is a continuation of U.S. Application No. 13/842,679, filed March 15, 2013, which claims the benefit of U.S. Provisional Application No. 61/747,717, filed December 31, 2012, the disclosures of which are hereby expressly incorporated by reference in their entirety and are hereby expressly made a portion of this application.

Abbott Ex. 1002 - 200/848

REMARKS

The first paragraph of the specification as filed has been amended to correct a typographical error in the priority claim. No new matter has been added.

Conclusion

Please charge any additional fees, including any fees for additional extension of time, or credit overpayment to Deposit Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: October 5, 2017

By: /Rose M. Thiessen/
Rose M. Thiessen
Registration No. 40,202
Registered Practitioner
Customer No. 68851
(858) 707-4000

AMEND

26827903

Abbott Ex. 1002 - 201/848

APPLICATION DATA SHEET

Application Information

Application Number:	15/617977
Filing Date:	June 8, 2017
Application Type:	Regular
Subject Matter:	Utility
Title:	REMOTE MONITORING OF ANALYTE MEASUREMENTS
Attorney Docket Number:	DEXCOM.225C3

Correspondence Information

Correspondence Customer Number:	68851
Phone Number:	(949) 760-0404
Fax Number:	(949) 760-9502
E-Mail Address:	efiling@knobbe.com

Representative Information

Representative Customer Number: 68851

Domestic Priority Information

Application:	Continuity Type:	Parent Application:	Parent Filing Date:
This Application	Continuation of	14/144532	~~2012-12-20~~ 2012-12-30
14/144532	Continuation of	13/842679	2013-03-15
13/842679	Claims the benefit of provisional	61/747717	2012-12-31

Dated: October 5, 2017

By: /Rose M. Thiessen/
Rose M. Thiessen
Registration No. 40,202
Registered Practitioner
Customer No. 68851
(858) 707-4000

26830182

Electronic Acknowledgement Receipt

EFS ID:	30574237
Application Number:	15617977
International Application Number:	
Confirmation Number:	8138
Title of Invention:	REMOTE MONITORING OF ANALYTE MEASUREMENTS
First Named Inventor/Applicant Name:	Michael Robert Mensinger
Customer Number:	68851
Filer:	Rose M. Thiessen/Imran Ahmed
Filer Authorized By:	Rose M. Thiessen
Attorney Docket Number:	DEXCOM.225C3
Receipt Date:	05-OCT-2017
Filing Date:	08-JUN-2017
Time Stamp:	13:36:51
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		225C3_PRELIM.pdf	24847 5288ec25a6fde4f6e3eb07495ee44ef21f12d90b	yes	3

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Preliminary Amendment	1	1
	Specification	2	2
	Applicant Arguments/Remarks Made in an Amendment	3	3

Warnings:					
Information:					
2	Application Data Sheet	225C3_CORRADS.pdf	15199 5c3d5465be2879c065ea7d97dd6814cfafeb7d01	no	2
Warnings:					
Information:					
This is not an USPTO supplied ADS fillable form					
		Total Files Size (in bytes):	40046		

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New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
15/617,977	06/08/2017	Michael Robert Mensinger	DEXCOM.225C3

CONFIRMATION NO. 8138

68851
KNOBBE, MARTENS, OLSON & BEAR, LLP
DEXCOM, INC.
2040 MAIN STREET
FOURTEENTH FLOOR
IRVINE, CA 92614

PUBLICATION NOTICE

OC000000095032448

Title:REMOTE MONITORING OF ANALYTE MEASUREMENTS

Publication No.US-2017-0303785-A1
Publication Date:10/26/2017

NOTICE OF PUBLICATION OF APPLICATION

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

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

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

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

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

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

PTO/SB/08a (07-09)
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.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 3

Complete if Known	
Application Number	15/617977
Filing Date	06/08/2017
First Named Inventor	Mensinger, Michael Robert
Art Unit	3735
Examiner Name	To be assigned
Attorney Docket Number	225C9

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	US- 8416085	04-09-2013	Gawlick, Ute	
	2	US- 2004-0015132	01-22-2004	Brown, Eric	
	3	US- 2006-0089452	04-27-2006	Schneider et al.	
		US-			
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3]-Number[4]-Kind Code[5] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T[6]
	1	JP 2000-316819-A	11-21-2000	NEC System Integration &		
	2	WO 2004-027676	04-01-2004	E-San Limited		
	3	WO 2004-084720	10-07-2004	Welch Allyn Protocol, inc		
	4	JP 2005-538794-A	12-22-2005	E-San Limited		
	5	JP 2006-021031-A	01-26-2006	Nipro Corp.		
	6	JP 2006-026270-A	05-15-2008	Cardinal Health 303, Inc.		

Examiner Signature		Date Considered	

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

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

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08a (07-09)
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.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 2 of 3

Complete if Known	
Application Number	15/617977
Filing Date	06/08/2017
First Named Inventor	Mensinger, Michael Robert
Art Unit	3735
Examiner Name	To be assigned
Attorney Docket Number	225C9

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-			
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3]-Number[4]-Kind Code[5] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T[6]
	7	WO 2006-109072	10-19-2006	Hidalgo Limited		
	8	JP 2006-239084-A	09-14-2006	Takahashi Kogei Kenkyuosh		
	9	JP 2006-520657-A	09-14-2006	Welch Allyn Protocol, Inc		
	10	WO 2008-057952	05-15-2008	RIC Investments, Inc.		
	11	WO 2011-021118	02-24-2011	Denyer et al.		
	12	JP 2011-028765-A	02-10-2011	RIC Investments LLC		

Examiner Signature		Date Considered	

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

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

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08a (07-09)
Approved for use through 07/31/2016. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 3 of 3

Complete if Known	
Application Number	15/617977
Filing Date	06/08/2017
First Named Inventor	Mensinger, Michael Robert
Art Unit	3735
Examiner Name	To be assigned
Attorney Docket Number	225C9

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-			
		US-			
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3]-Number[4]-Kind Code[5] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T[6]
	13	WO 2011-124993	10-13-2011	Koninklijke Philips Elect		

Examiner Signature		Date Considered	

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

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If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Docket No. 225C9

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant	:	DexCom, Inc.
Inventors	:	Michael Robert Mensinger, et al.
App. No	:	15/617977
Filed	:	08-June-2017
For	:	REMOTE MONITORING OF ANALYTE MEASUREMENTS
Examiner	:	Not yet assigned
Art Unit	:	3735
Conf #	:	8138

CERTIFICATE OF TRANSMITTAL UNDER 37 C.F.R. 1.8

I hereby certify that this paper (along with anything referred to as being attached or enclosed) is being filed electronically via EFS-Web at the United States Patent and Trademark Office on 10 November 2017

By: Renee Zavala

Renee Zavala

INFORMATION DISCLOSURE STATEMENT

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

Dear Sir:

Submitted herewith in the above-identified application is an Information Disclosure Statement listing references for consideration. In accordance with 37 C.F.R. §1.98(a)(2)(ii), Applicant submits herewith copies of all cited references, other than copies of U.S. patents or U.S. patent publications. It is respectfully requested that the Examiner initial and return a copy of the enclosed Form PTO/SB/08, and indicate in the official file wrapper of this patent application that the documents listed therein have been considered.

This Information Disclosure Statement is being filed within three months of the U.S. filing date or the date of national phase entry, before the first mailing date of a first Office Action on the merits, with an RCE, or before the first Office Action on the merits after an RCE has been filed, and Applicants believe that no statement under 37 C.F.R. §1.97(e) or fee is required. If this is incorrect and a fee is due, the Commissioner is hereby authorized to charge that amount to Deposit Account No. 506176, referencing Applicant Docket No. 225C9. Further, the Commissioner is hereby authorized to charge all fees and credit all overpayments to Deposit Account No. 506176 during the pendency of this application.

Respectfully submitted,
DEXCOM, INC.

Dated: Nov. 9, 2017

By: _____
Mark D. Wieczorek, PTO Reg. No. 37,966

Customer Number 68851
DEXCOM, INC.
6340 Sequence Drive
San Diego, CA 92121
Telephone: 858.875.9786

(19) JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: **2000316819 A**

(43) Date of publication of application: **21.11.00**

(51) Int. Cl **A61B 5/00**
H04M 11/00
H04Q 9/00

(21) Application number: **11133444**

(22) Date of filing: **14.05.99**

(71) Applicant: **NEC SYSTEM INTEGRATION & CONSTRUCTION LTD PARAMA TEC:KK TERADA ELECTRIC WORKS CO LTD**

(72) Inventor: **KOIKE ICHIRO**
KOUCHI TOSHIHARU
FUKAMIZU TETSUJI
YOSHINO KUNIYOSHI

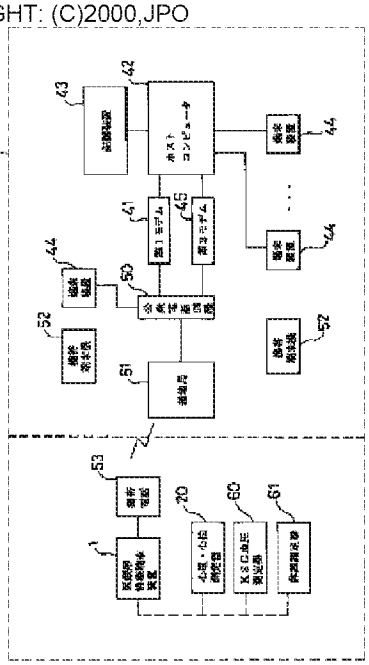
(54) **PRE-EXAMINATION INFORMATION CONTROL SYSTEM**

(57) Abstract:

PROBLEM TO BE SOLVED: To provide a pre-examination information control system which allows a user to have diagnosis and instructions from a physician at the appropriate time by automatically reporting to the portable terminal equipment owned by the physician the reception of biological data input from a medical information terminal device to a medical institution, etc.

SOLUTION: Biological data obtained from an electrocardiogram/heartbeat measuring apparatus 20 or the like are transferred by means of infrared rays to a medical information terminal device 1 and transmitted to a cellular phone 53. A host computer 42 automatically reports to pre-registered external portable terminal equipment 52 according to the identification code of a medical information terminal device and a terminal ID which are received from the cellular phone 53, so as to let a physician know the data.

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Abbott Ex. 1002 - 211/848

Electronic Acknowledgement Receipt

EFS ID:	30920581
Application Number:	15617977
International Application Number:	
Confirmation Number:	8138
Title of Invention:	REMOTE MONITORING OF ANALYTE MEASUREMENTS
First Named Inventor/Applicant Name:	Michael Robert Mensinger
Customer Number:	68851
Filer:	Mark D. Wieczorek/Renee Zavala
Filer Authorized By:	Mark D. Wieczorek
Attorney Docket Number:	DEXCOM.225C3
Receipt Date:	10-NOV-2017
Filing Date:	08-JUN-2017
Time Stamp:	17:30:28
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		2017-1110-SuppIDS-225C9.pdf	3425088 ba5ca3dbcc0f92b5b04784d2be684246cbc274da	yes	4

	Multipart Description/PDF files in .zip description					
	Document Description		Start		End	
	Information Disclosure Statement (IDS) Form (SB08)		2		4	
	Transmittal Letter		1		1	
Warnings:						
Information:						
2	Foreign Reference	JP-2000-316819-A-Abstract.pdf	91562 a75103d5b2f13e0b647dfb2a4a1152c12d3746ba		no	1
Warnings:						
Information:						
3	Foreign Reference	WO-2004-027676-A2.pdf	2981845 c218878daf57146469c577f62c46b313ef915cc2		no	26
Warnings:						
Information:						
4	Foreign Reference	WO-2004-084720-A2.pdf	7810979 c158d1bda96f7d1373f50965bba2a9dac73ec619		no	68
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Information:						
5	Foreign Reference	JP-2005-538794-A-Abstract.pdf	96920 cf00225392b6c3cd73f53fe4cbc8f9ddc97ffc90		no	2
Warnings:						
Information:						
6	Foreign Reference	JP-2006-021031-A-Abstract.pdf	94854 9a3b1185e8fb2782c784383e90bfb00995c893e4		no	2
Warnings:						
Information:						
7	Foreign Reference	JP-2006-026270-A-Abstract.pdf	71101 f522d3c030d485d1e69bba8e756b85a2b03183dd		no	1
Warnings:						

Information:					
8	Foreign Reference	WO-2006-109072-A2.pdf	9398193 501439b566ea364270054feac214a565964d6f42	no	89
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Information:					
9	Foreign Reference	JP-2006-239084-A-Abstract.pdf	1558140 151f881cd8ad0a6ee28376a8ec9956d647b0447c	no	1
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10	Foreign Reference	JP-2006-520657-A-Abstract.pdf	110172 427722bd7502ea126e8d68395344b9a22631d466	no	2
Warnings:					
Information:					
11	Foreign Reference	WO-2008-057952-A2-Part1of3.pdf	6828961 62ef178474e9d6e98d406b4264691604318 2f7ae	no	45
Warnings:					
Information:					
12	Foreign Reference	WO-2008-057952-A2-Part2of3.pdf	5976017 bab7fccdc89373b685a6368ff68ac9fa291c2c29	no	45
Warnings:					
Information:					
13	Foreign Reference	WO-2008-057952-A2-Part3of3.pdf	5901792 065408a6e9bef43fd56dafa3a9171140df80722b	no	47
Warnings:					
Information:					
14	Foreign Reference	WO-2011-021118-A1.pdf	4750690 b9ff83a9404a166d336f5f98092ee75bb6af1005	no	46
Warnings:					
Information:					

15	Foreign Reference	JP-2011-028765-A-Abstract.pdf	104357 71b8c9be891c68535608c7f83288f7f86fcb2db1	no	2
Warnings:					
Information:					
16	Foreign Reference	WO-2011-124993-A2.pdf	1778296 55a103b56b507233482c1f25b557dcdf50598419	no	17
Warnings:					
Information:					
		Total Files Size (in bytes):	50978967		

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.

Please Direct All Correspondence to Customer Number 68851

RESPONSE TO INFORMATIONAL NOTICE TO APPLICANT

First Inventor	:	Michael Robert Mensinger
App. No.	:	15/617977
Filed	:	June 8, 2017
For	:	REMOTE MONITORING OF ANALYTE MEASUREMENTS
Examiner	:	Balseca, Franklin D.
Art Unit	:	2685
Conf. No.	:	8138

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

Dear Sir:

The above-captioned application was filed without a Declaration and/or Substitute Statement. Enclosed in compliance with 37 CFR 1.53(f) and in response to the Informational Notice to Applicant, mailed on July 19, 2017, are the following;

(X) Declarations for:

Katherine Yerre Koehler

(X) Copy of the Informational Notice to Applicant

The Commissioner is hereby authorized to charge any additional fees which may be required, now or in the future, or credit any overpayment, to Account No. 11-1410.

/Rose M. Thiessen/
Rose M. Thiessen
Registration No. 40,202
Attorney of Record
Customer No. 68851
(858) 707-4000

25439081

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
15/617,977	06/08/2017	Michael Robert Mensinger	DEXCOM.225C3

CONFIRMATION NO. 8138

68851
KNOBBE, MARTENS, OLSON & BEAR, LLP
DEXCOM, INC.
2040 MAIN STREET
FOURTEENTH FLOOR
IRVINE, CA 92614

INFORMAL NOTICE

OC000000092863348

Date Mailed: 07/19/2017

INFORMATIONAL NOTICE TO APPLICANT

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

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

- A properly executed inventor's oath or declaration has not been received for the following inventor(s):
  Katherine Yerre Koehler

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

/atesfai/

Abbott Ex. 1002 - 217/848

225P302

PTO/AIA/01 (06-12)
Approved for use through 01/31/2014. 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.

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

Title of Invention	REMOTE MONITORING OF ANALYTE MEASUREMENTS

As the below named inventor, I hereby declare that:

This declaration is directed to:

☐ The attached application, or

■ United States application or PCT international application number 15/632181

filed on June 23, 2017

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

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

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

WARNING:

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

LEGAL NAME OF INVENTOR

Inventor: Katherine Yerre Koehler Date (Optional) 10/27/17

Signature: Katherine Yerre Koehler

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

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

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

Electronic Acknowledgement Receipt

EFS ID:	31061946
Application Number:	15617977
International Application Number:	
Confirmation Number:	8138
Title of Invention:	REMOTE MONITORING OF ANALYTE MEASUREMENTS
First Named Inventor/Applicant Name:	Michael Robert Mensinger
Customer Number:	68851
Filer:	Rose M. Thiessen/Christina Graul
Filer Authorized By:	Rose M. Thiessen
Attorney Docket Number:	DEXCOM.225C3
Receipt Date:	28-NOV-2017
Filing Date:	08-JUN-2017
Time Stamp:	15:13:37
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Transmittal Letter	225C3_TRANS.pdf	54809 5c8c25095e0a5bb34fc579a0be5f68d98793895f	no	2

Warnings:

Information:					
2	Oath or Declaration filed	225C3_DEC.pdf	92324 7feddcd43f68c94defa46ec07b6260e9634e76d7	no	1
Warnings:					
Information:					
		Total Files Size (in bytes):	147133		

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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

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New International Application Filed with the USPTO as a Receiving Office

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Please Direct All Correspondence to Customer Number 68851

RESPONSE TO INFORMATIONAL NOTICE TO APPLICANT

First Inventor	:	Michael Robert Mensinger
App. No.	:	15/617977
Filed	:	June 8, 2017
For	:	REMOTE MONITORING OF ANALYTE MEASUREMENTS
Examiner	:	Balseca, Franklin D.
Art Unit	:	2685
Conf. No.	:	8138

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

Dear Sir:

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(X) Declarations for:

Katherine Yerre Koehler

(X) Copy of the Informational Notice to Applicant

The Commissioner is hereby authorized to charge any additional fees which may be required, now or in the future, or credit any overpayment, to Account No. 11-1410.

/Rose M. Thiessen/
Rose M. Thiessen
Registration No. 40,202
Attorney of Record
Customer No. 68851
(858) 707-4000

25439081

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
15/617,977	06/08/2017	Michael Robert Mensinger	DEXCOM.225C3

CONFIRMATION NO. 8138

68851
KNOBBE, MARTENS, OLSON & BEAR, LLP
DEXCOM, INC.
2040 MAIN STREET
FOURTEENTH FLOOR
IRVINE, CA 92614

INFORMAL NOTICE

OC000000092863348

Date Mailed: 07/19/2017

INFORMATIONAL NOTICE TO APPLICANT

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- A properly executed inventor's oath or declaration has not been received for the following inventor(s):
  Katherine Yerre Koehler

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/atesfai/

Abbott Ex. 1002 - 222/848

Electronic Acknowledgement Receipt

EFS ID:	31067240
Application Number:	15617977
International Application Number:	
Confirmation Number:	8138
Title of Invention:	REMOTE MONITORING OF ANALYTE MEASUREMENTS
First Named Inventor/Applicant Name:	Michael Robert Mensinger
Customer Number:	68851
Filer:	Rose M. Thiessen/Christina Graul
Filer Authorized By:	Rose M. Thiessen
Attorney Docket Number:	DEXCOM.225C3
Receipt Date:	28-NOV-2017
Filing Date:	08-JUN-2017
Time Stamp:	18:45:26
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	Oath or Declaration filed	KOHLER_DEC_225C3.pdf	90552 cb93539c4e6e8bcd58987d79d2549d9fc211d62b	no	1

Warnings:

Information:					
2	Transmittal Letter	225C3_TRANS.pdf	54809 5c8c25095e0a5bb34fc579a0be5f68d98793895f	no	2
Warnings:					
Information:					
			Total Files Size (in bytes):	145361	

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.

22509

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

Title of Invention	REMOTE MONITORING OF ANALYTE MEASUREMENTS

As the below named inventor, I hereby declare that:

This declaration is directed to:

☐ The attached application, or

☒ United States application or PCT international application number 15/617,977

filed on June 8, 2017

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

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

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

WARNING:

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

LEGAL NAME OF INVENTOR

Inventor: Katherine Yerre Koehler Date (Optional): 6/27/17

Signature: Katherine Yerre Koehler

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

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

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/617,977	06/08/2017	Michael Robert Mensinger	DEXCOM.225C3	8138

68851 7590 12/14/2017

KNOBBE, MARTENS, OLSON & BEAR, LLP
DEXCOM, INC.
2040 MAIN STREET
FOURTEENTH FLOOR
IRVINE, CA 92614

EXAMINER
BALSECA, FRANKLIN D

ART UNIT	PAPER NUMBER
2685	

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):

jayna.cartee@knobbe.com
efiling@knobbe.com

Office Action Summary	Application No. 15/617,977	Applicant(s) MENSINGER ET AL.	
	Examiner FRANKLIN BALSECA	Art Unit 2685	AIA (First Inventor to File) Status No

-- 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 *06/08/2017*.

☐ 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) *1-14* 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) *1-14* 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 *06/08/2017* 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: _____.

Detailed Action

Double Patenting

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

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

provisions of the AIA as explained in MPEP § 2159. See MPEP §§ 706.02(l)(1) - 706.02(l)(3) for applications not subject to examination under the first inventor to file provisions of the AIA. A terminal disclaimer must be signed in compliance with 37 CFR 1.321(b).

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

1. Claims 1-6 and 8-14 are rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1-5 and 16-21 of U.S. Patent No. 9,585,563. Although the claims at issue are not identical, they are not patentably distinct from each other because the instant application and the aforementioned patents claim a method to receive an invitation and notifications at a remote monitor, whereas claims 1-6 and 8-14 of the instant application are a broader version of claims 1-5 and 16-21 of the aforementioned patent as illustrated below. Therefore, the claims of the instant application are encompassed by the claims of the aforementioned patent, and it would

have been obvious to a person of ordinary skill in the art at the time of the invention to arrive the broader claims as recited in the instant application.

Instant Application 15/617977	US Patent 9,585,563
Claim 1: A method comprising: receiving, at a remote monitor, an invitation to access a secure server and data associated with a receiver monitoring an analyte state of a host; and	**Claim 1:** A method comprising: receiving, at a mobile remote monitoring apparatus configured to be used by a remote monitoring user, an invitation to access a secure server storing data associated with a mobile receiver that at least periodically monitors an analyte concentration state of a host and to receive a message on the mobile remote monitoring apparatus regarding a health condition based on the analyte concentration state of the host who is remote to the mobile remote monitoring apparatus and who is not in a medical facility, wherein the invitation is triggered to be sent to the mobile remote monitoring apparatus in response to the host providing, using the mobile receiver, an identifier that identifies the remote monitoring user; receiving, by the mobile remote monitoring apparatus, a set of recommended rule settings associated with the invitation, the set of recommended rule settings being configured by the host using the mobile receiver, at least one of the set of recommended rule settings being modifiable by the remote monitoring user using the mobile remote monitoring apparatus; receiving, by the mobile remote monitoring apparatus, user input indicative of acceptance of the invitation to access the secure server and receive the data associated with the analyte concentration state of the host from the mobile receiver, wherein the access is activated by the secure server after receipt of the acceptance by the secure server; and
modifying, by the remote monitor, a rule defining an alert representative of an event associated with the analyte state of the host, wherein the alert, when triggered, causes a message to be sent to the remote monitor from a server to notify the remote monitor of the event.	modifying, by the mobile remote monitoring apparatus, a rule setting of the set of recommended rules settings defining an alert, the alert being representative of an event associated with the health condition based on the analyte concentration state of the host, wherein the alert, when triggered, causes the message to be sent to

	the mobile remote monitoring apparatus to notify the remote monitoring user of the event.
Claim 2: The method of claim 1, wherein the modifying the rule comprises varying a first threshold associated with a low level of glucose at the host.	**Claim 2:** The method of claim 1, wherein the modifying the rule setting comprises varying a first threshold associated with a low level of glucose at the host.
Claim 3: The method of claim 1, wherein the modifying the rule comprises varying a second threshold associated with a high level of glucose at the host.	**Claim 3:** The method of claim 1, wherein the modifying the rule setting comprises varying a second threshold associated with a high level of glucose at the host.
Claim 4: The method of claim 1, wherein the modifying the rule comprises varying a delay between when the message is sent to the receiver and a notification message is sent to the remote monitor.	**Claim 4:** The method of claim 1, wherein the modifying the rule setting comprises varying a delay before the message is sent to the mobile remote monitoring apparatus.
Claim 5: The method of claim 1, wherein the modifying the rule comprises varying a time value between when the message is sent to the remote monitor and a reminder message is sent to the remote monitor.	**Claim 5:** The method of claim 1, wherein the modifying the rule setting comprises varying a time value between when the message is sent to the mobile remote monitoring apparatus and a reminder message is sent to the mobile remote monitoring apparatus.
Claim 6: The method of claim 1, wherein the invitation is associated with a set of recommended rule settings configured by a host monitoring system, wherein the recommended settings are provided to the remote monitor for acceptance or modification.	**Part of Claim 1:** … receiving, by the mobile remote monitoring apparatus, a set of recommended rule settings associated with the invitation, the set of recommended rule settings being configured by the host using the mobile receiver, at least one of the set of recommended rule settings being modifiable by the remote monitoring user using the mobile remote monitoring apparatus; …
Claim 8: An apparatus for remote monitoring of a hosts analyte levels, the apparatus comprising: at least one processor; and at least one memory including code, which when executed by the at least one processor causes the apparatus to receive, at a remote monitor, an invitation to access a secure server and data associated with a receiver monitoring an analyte state of a host; and	**Claim 16:** A mobile remote monitoring apparatus configured to be used by a remote monitoring user for remote monitoring of a host's analyte concentration levels, the mobile remote monitoring apparatus comprising: at least one processor; and at least one memory including code, which when executed by the at least one processor causes the mobile remote monitoring apparatus to receive, at the mobile remote monitoring apparatus, an invitation to access a secure server storing data associated with a mobile receiver at least periodically monitors an analyte concentration state of a host and to receive a message regarding a health condition based on the analyte concentration state of the host who is remote to the mobile remote monitoring apparatus and who is not in a medical facility, wherein the invitation is triggered to be sent to the mobile remote monitoring apparatus in response to the host providing, using the mobile receiver, an identifier that identifies the remote

	monitoring user; receive, by the mobile remote monitoring apparatus, a set of recommended rule settings associated with the invitation, the set of recommended rule settings being configured by the host using the mobile receiver, at least one of the set of recommended rule settings being modifiable by the remote monitoring user using the mobile remote monitoring apparatus; and
modify, by the remote monitor, a rule defining an alert representative of an event associated with the analyte state of the host, wherein the alert, when triggered, causes a message to be sent to the remote monitor from a server to notify the remote monitor of the event.	modify, by the mobile remote monitoring apparatus, a rule setting of the set of recommended rules settings defining an alert, the alert being representative of an event associated with the health condition based on the analyte concentration state of the host, wherein the alert, when triggered, causes the message to be sent to the mobile remote monitoring apparatus from a server to notify the remote monitoring user of the event.
Claim 9: The apparatus of claim 8, wherein the modifying the rule comprises varying a first threshold associated with a low level of glucose at the host.	**Claim 17:** The mobile remote monitoring apparatus of claim 16, wherein the code that causes the mobile remote monitoring apparatus to modify the rule setting comprises code that causes the mobile remote monitoring apparatus to vary a first threshold associated with a low level of glucose at the host.
Claim 10: The apparatus of claim 8, wherein the modifying the rule comprises varying a second threshold associated with a high level of glucose at the host.	**Claim 18:** The mobile remote monitoring apparatus of claim 16, wherein the code that causes the mobile remote monitoring apparatus to modify the rule setting comprises code that causes the mobile remote monitoring apparatus to vary a second threshold associated with a high level of glucose at the host.
Claim 11: The apparatus of claim 8, wherein the modifying the rule comprises varying a delay between when the message is sent to the receiver and a notification message is sent to the remote monitor.	**Claim 19:** The mobile remote monitoring apparatus of claim 16, wherein the code that causes the mobile remote monitoring apparatus to modify the rule setting comprises code that causes the mobile remote monitoring apparatus to vary a delay before the message is sent to the mobile remote monitoring apparatus.
Claim 12: The apparatus of claim 8, wherein the modifying the rule comprises varying a time value between when the message is sent to the remote monitor and a reminder message is sent to the remote monitor.	**Claim 20:** The mobile remote monitoring apparatus of claim 16, wherein the code that causes the mobile remote monitoring apparatus to modify the rule setting comprises code that causes the mobile remote monitoring apparatus to vary a time value between when the message is sent to the mobile remote monitoring apparatus and a reminder message is sent to the mobile remote monitoring apparatus.
Claim 13: The apparatus of claim 8, wherein the invitation is associated with a set of recommended rule settings configured by a host monitoring	**Part of Claim 16:** …receive, by the mobile remote monitoring apparatus, a set of recommended rule settings associated with the invitation, the set of

system, wherein the recommended settings are provided to the remote monitor for acceptance or modification.	recommended rule settings being configured by the host using the mobile receiver, at least one of the set of recommended rule settings being modifiable by the remote monitoring user using the mobile remote monitoring apparatus; and…
Claim 14: The apparatus of claim 8, wherein the apparatus is configured to accept the invitation responsive to user input at the remote monitor, wherein accepting the invitation programically establishes an account associated with the remote monitor at the server.	**Claim 21:** The mobile remote monitoring apparatus of claim 16, wherein the mobile remote monitoring apparatus is configured to accept the invitation responsive to user input at the mobile remote monitoring apparatus, wherein accepting the invitation programically establishes an account associated with the remote monitoring user at the secure server.

Claim Rejections - 35 USC § 103

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

> (a) A patent may not be obtained through the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

2. Claim(s) 1-3 and 8-10 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Robertson et al. (US-2013/0117696) in view of Killen et al (US-2012/0136221) and Valdes et al. (US-2012/0108934).

In regards to claim 1, Robertson teaches a method comprising the step of receiving, at a remote monitor, an invitation to access a secure server and data associated with a receiver monitoring physiological state of a host [fig. 1 elements 108 (receiver) and 122 (secure server), fig. 8 (remote monitor accessing data), fig. 31 (invitation), par. 0101 L. 1-14, par. 0106 L. 18-25].

Robertson does not teach the step of modifying, by the remote monitor, a rule defining an alert.

On the other hand, Killen teaches accessing data about a physiological state of a host in a secure server by a remote monitor [fig. 1 element 8]. Robertson further teaches that physiological data that is monitored can be glucose (analyte state of a host) [par. 0184 L. 7-10]. Robertson further teaches modifying, by the remote monitor, a rule defining an alert representative of an event associated with the analyte state of the host, wherein the alert, when triggered, causes a message to be sent to the remote monitor from a server to notify the remote monitor of the event [fig. A72, par. 0143 L. 4-10, par. 0154].

It would have been obvious to one of ordinary skill in the art at the time of the invention to use Killen's teachings in the method taught by Robertson because it will permit the remote monitoring device to monitor other physiological data such as blood glucose and receive notifications when an abnormal condition is detected by the server.

The combination of Robertson and Killen does not teach that the analyte data is monitored by the receiver.

On the other hand, Valdes teaches that the analyte data can be also monitored by the receiver which will then transmit the data to the server [fig. 1, par. 0089].

It would have been obvious to one of ordinary skill in the art at the time of the invention to use Valdes's teachings in the method taught by the combination because it will permit the system monitor the analyte state of a host continuously.

In regards to claims 2 and 3, the combination of Robertson, Killen and Valdes teaches that modifying the rule comprises varying a first and a second threshold values associated with the monitored physiological parameter [see Killen fig. A72, par. 0143 L. 4-10, par. 0154]. Furthermore, the combination teaches that when glucose is being monitored the threshold values can be associated with low level of glucose of the host and a high level glucose of the host [see Valdes par. 0048].

It would have been obvious to one of ordinary skill in the art at the time of the invention to use Valdes's teachings in the method taught by the combination because associating rules with high and low glucose values will permit the use to be aware when the host is hypoglycemic or hyperglycemic.

In regards to claim 8, the claim is rejected the same way as claim 1 above wherein the remote monitor further comprises at least one processor; and at least one memory including code, which when executed by the at least one processor causes the apparatus to perform the method [see Robertson par. 0008 L. 6-7, par. 0102 L. 1-3, par. 0106 L. 24-25, par. 0147, par. 0155 L. 1-5, see Killen fig. 2].

In regards to claims 9 and 10, the claims are rejected the same way as claims 2 and 3 above.

3. Claim(s) 4-5 and 11-12 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Robertson et al. (US-2013/0117696) in view of Killen et al (US-

2012/0136221) and Valdes et al. (US-2012/0108934) as applied to claims 1 and 8 above, and further in view of Hastings (US-2005/0148890).

In regards to claim 4, the combination of Robertson, Killen and Valdes as applied in claim 1 above does not teach that modifying the rule comprises varying a delay between when the message is sent to the receiver and a notification message is sent to the remote monitor.

On the other hand, Hastings teaches a method to receive alerts at a remote monitor where the user of the remote monitor can select the time when the alert is received at the remote monitor [par. 0178 L. 1-4, par. 0179 L. 12-14]. This means that the method comprises the step of varying a delay between when the message is sent to the receiver and a notification message is sent to the remote monitor.

It would have been obvious to one of ordinary skill in the art at the time of the invention to use Hastings' teachings in the method taught by the combination because it will permit the user of the remote monitor device to decide when to receive the notification.

In regards to claim 5, the combination of Robertson, Killen and Valdes as applied in claim 1 above does not teach that modifying the rule comprises varying a time value between when the message is sent to the remote monitor and a reminder message is sent to the remote monitor.

On the other hand, Hastings teaches a method to receive alerts at a remote monitor where the user of the remote monitor can vary a time value between when the message is sent to the remote monitor and a reminder message is sent to the remote monitor [par. 0243 L. 1-9, par. 0246].

It would have been obvious to one of ordinary skill in the art at the time of the invention to use Hastings' teachings in the method taught by the combination because it will permit the system to send reminders when a message has not being received by the user of the remote monitor.

In regards to claims 11 and 12, the claims are rejected the same way as claims 4 and 5 above.

4. Claim(s) 6 and 13 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Robertson et al. (US-2013/0117696) in view of Killen et al (US-2012/0136221) and Valdes et al. (US-2012/0108934) as applied to claims 1 and 8 above, and further in view of Fish (US-2004/0243941) and Thomas et al. (US-2013/0173742).

In regards to claim 6, the combination of Robertson, Killen and Valdes as applied in claim 1 above does not teach that the invitation is associated with a set of recommended settings that can be modified by the remote monitor.

On the other hand, Fish teaches the concept that a host can authorize a user to modify notification rule settings [par. 0082 L. 1-12]. This means that a host can configure notification rule settings (set of recommended rule settings) and later authorize a remote monitor to modify and/or accept those rules.

It would have been obvious to one of ordinary skill in the art at the time of the invention to use Fish's teachings in the method taught by the combination because it will permit the host to decide whether or not the remote monitor is authorized to modify the notification rule settings.

The combination of Robertson, Killen, Valdes and Fish does not teach that the set of recommended settings are included with the invitation.

On the other hand, Thomas teaches the concept that when a host in a system invites another user, the invitation will include settings established by the host and that the invitee can accept or modify [par. 0088 L. 1-5, par. 0091 L. 1-5, par. 0092 L. 15-21].

It would have been obvious to one of ordinary skill in the art at the time of the invention to use Thomas' teachings in the method taught by the combination because it will permit the system to send the rule settings and the invitation in a single message and reduce traffic in the system.

In regards to claim 13, the claim is rejected the same way as claim 6 above.

5. Claim(s) 7 and 14 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Robertson et al. (US-2013/0117696) in view of Killen et al (US-

2012/0136221) and Valdes et al. (US-2012/0108934) as applied to claims 1 and 8 above, and further in view of Daoud et al. (US-2013/0159456)

In regards to claim 7, the combination of Robertson, Killen and Valdes as applied in claim 1 above teaches that the user of the remote device can accept the invitation [see Robertson par. 0106 L. 24-25]. However, the combination does not explicitly state that an account is created when accepting the invitation.

On the other hand, Daoud teaches that accepting the invitation programically establishes an account associated with the remote monitor at the server [fig. 24 element 2404, par. 0038 L. 8-15, par. 0081 L. 29-36].

It would have been obvious to one of ordinary skill in the art at the time of the invention to use Daoud' teachings in the method taught by the combination because it will permit the user of the remote device to create an account when an invitation is received for the first time so and access the data at the server securely whenever the user desires.

In regards to claim 14, the claim is rejected the same way as claim 7 above.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to FRANKLIN BALSECA whose telephone number is

(571)270-5966. The examiner can normally be reached on Monday through Thursday, from 6:30am to 4:00pm.

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, Hai Phan can be reached on (571) 272-6338.

Information regarding the status of an application may be obtained from the Patent Application Retrieval (PAIR) system. Status information for published applications may be obtained from either 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. If you have questions on how to access to 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 US OR CANADA) or (571)272-1000.

/FRANKLIN BALSECA/
Examiner, Art Unit 2685

/AMINE BENLAGSIR/
Primary Examiner, Art Unit 2685

Notice of References Cited	Application/Control No. 15/617,977	Applicant(s)/Patent Under Reexamination MENSINGER ET AL.	
	Examiner FRANKLIN BALSECA	Art Unit 2685	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-9,585,563 B2	03-2017	Mensinger; Michael Robert	A61B5/0004	1/1
*	B	US-2013/0117696 A1	05-2013	ROBERTSON; Timothy	G06F19/3418	715/763
*	C	US-2012/0136221 A1	05-2012	KILLEN; Roger	G06F19/3418	600/300
*	D	US-2012/0108934 A1	05-2012	Valdes; Jorge	A61B5/0022	600/365
*	E	US-2005/0148890 A1	07-2005	Hastings, David C.	A61B5/0006	600/509
*	F	US-2004/0243941 A1	12-2004	Fish, Edmund J.	G06Q10/107	715/752
*	G	US-2013/0173742 A1	07-2013	Thomas; William L.	H04L65/4076	709/217
*	H	US-2013/0159456 A1	06-2013	Daoud; Saleem	H04L67/12	709/217
	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					
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	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.

PTO/SB/08a (07-09)
Approved for use through 07/31/2016. OMB 0651-0031
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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 3

Complete if Known	
Application Number	15/617977
Filing Date	06/08/2017
First Named Inventor	Mensinger, Michael Robert
Art Unit	3735
Examiner Name	To be assigned
Attorney Docket Number	225C9

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	US- 8416085	04-09-2013	Gawlick, Ute	
	2	US- 2004-0015132	01-22-2004	Brown, Eric	
	3	US- 2006-0089452	04-27-2006	Schneider et al.	
		US-			
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3]-Number[4]-Kind Code[5] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T[6]
	1	JP 2000-316819-A	11-21-2000	NEC System Integration &		
	2	WO 2004-027676	04-01-2004	E-San Limited		
	3	WO 2004-084720	10-07-2004	Welch Allyn Protocol, inc		
	4	JP 2005-538794-A	12-22-2005	E-San Limited		
	5	JP 2006-021031-A	01-26-2006	Nipro Corp.		
	6	JP 2006-026270-A	05-15-2008	Cardinal Health 303, Inc.		

Examiner Signature		Date Considered	

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

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 2 of 3

Complete if Known	
Application Number	15/617977
Filing Date	06/08/2017
First Named Inventor	Mensinger, Michael Robert
Art Unit	3735
Examiner Name	To be assigned
Attorney Docket Number	225C9

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		US-			
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3]-Number[4]-Kind Code[5] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T[6]
	7	WO 2006-109072	10-19-2006	Hidalgo Limited		
	8	JP 2006-239084-A	09-14-2006	Takahashi Kogei Kenkyuosh		
	9	JP 2006-520657-A	09-14-2006	Welch Allyn Protocol, Inc		
	10	WO 2008-057952	05-15-2008	RIC Investments, Inc.		
	11	WO 2011-021118	02-24-2011	Denyer et al.		
	12	JP 2011-028765-A	02-10-2011	RIC Investments LLC		

Examiner Signature		Date Considered	

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(Use as many sheets as necessary)

Sheet 3 of 3

Complete if Known	
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U. S. PATENT DOCUMENTS

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		US-			
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3] Number[4] Kind Code[5] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T[6]
	13	WO 2011-124993	10-13-2011	Koninklijke Philips Elect		

Examiner Signature		Date Considered	

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/FRANKLIN D. BALSECA/ 11/30/2017

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BIB DATA SHEET

CONFIRMATION NO. 8138

SERIAL NUMBER	FILING or 371(c) DATE RULE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
15/617,977	06/08/2017	340	2685	DEXCOM.225C3

APPLICANTS

DexCom, Inc., San Diego, CA;

INVENTORS

Michael Robert Mensinger, San Diego, CA;
Eric Cohen, San Diego, CA;
Phil Mayou, San Diego, CA;
Eli Reihman, San Diego, CA;
Katherine Yerre Koehler, Solana Beach, CA;
Rian Draeger, San Diego, CA;
Angela Marie Traven, San Marcos, CA;

**** CONTINUING DATA ***************************

This application is a CON of 14/144,532 12/30/2013 *
which is a CON of 13/842,679 03/15/2013 PAT 9801541
which claims benefit of 61/747,717 12/31/2012
(*)Data provided by applicant is not consistent with PTO records.

**** FOREIGN APPLICATIONS ***************************

**** IF REQUIRED, FOREIGN FILING LICENSE GRANTED ****

06/15/2017

Foreign Priority claimed ☐ Yes ☑ No 35 USC 119(a-d) conditions met ☐ Yes ☐ No Verified and Acknowledged /FRANKLIN D BALSECA/ Examiner's Signature	☐ Met after Allowance Initials	STATE OR COUNTRY	SHEETS DRAWINGS	TOTAL CLAIMS	INDEPENDENT CLAIMS
		CA	23	14	2

ADDRESS

KNOBBE, MARTENS, OLSON & BEAR, LLP
DEXCOM, INC.
2040 MAIN STREET
FOURTEENTH FLOOR
IRVINE, CA 92614
UNITED STATES

TITLE

REMOTE MONITORING OF ANALYTE MEASUREMENTS

FILING FEE RECEIVED		
1740	FEES: Authority has been given in Paper No._____ to charge/credit DEPOSIT ACCOUNT No._____ for following:	☐ All Fees ☐ 1.16 Fees (Filing) ☐ 1.17 Fees (Processing Ext. of time) ☐ 1.18 Fees (Issue) ☐ Other _____ ☐ Credit

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15617977	MENSINGER ET AL.
	Examiner	Art Unit
	FRANKLIN BALSECA	2685

CPC- SEARCHED		
Symbol	Date	Examiner
A61B5/0002,0004,0022,145,14532,7264,7282,742,743,746,0015,0024,02,7435,7465	12/04/2017	FB
G06F19/3418,30,32,34,3406,3487	12/04/2017	FB
H04L67/12	12/04/2017	FB
H04Q9/00	12/04/2017	FB
H04Q2209/00,10,40,50,82,823,826	12/04/2017	FB

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner

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

SEARCH NOTES		
Search Notes	Date	Examiner
Inventor Search	12/04/2017	FB
East Search	12/04/2017	FB
A61B5/0002,0004,0022,145,14532,7264,7282,742,743,746,0015,0024,02, 7435,7465 and text limited. See search history printout.	12/04/2017	FB

/FRANKLIN BALSECA/ Examiner.Art Unit 2685	/AMINE BENLAGSIR/ Primary Examiner.Art Unit 2685

SEARCH NOTES		
Search Notes	**Date**	**Examiner**
G06F19/3418,30,32,34,3406,3487 and text limited. See search history printout.	12/04/2017	FB
H04L67/12 and text limited. See search history printout.	12/04/2017	FB
H04Q9/00 and text limited. See search history printout.	12/04/2017	FB
H04Q2209/00,10,40,50,82,823,826 and text limited. See search history printout.	12/04/2017	FB

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

/FRANKLIN BALSECA/ Examiner.Art Unit 2685	/AMINE BENLAGSIR/ Primary Examiner.Art Unit 2685

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15617977	MENSINGER ET AL.
	Examiner	**Art Unit**
	FRANKLIN BALSECA	2685

✓	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	12/04/2017								
	1	✓								
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	12	✓								
	13	✓								
	14	✓								

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	(US-20120108934-$).did.	US-PGPUB	OR	ON	2017/12/04 07:10
L2	1	L1 and threshold	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/04 07:10
L3	1	L1 and low	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/04 07:11
L4	0	L1 and hypoglysemic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/04 07:11
L5	1	L1 and hypoglycemic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/04 07:13
L6	154	(("MENSINGER") near3 ("Michael")).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2017/12/04 07:21
L7	180	(("COHEN") near3 ("Eric")).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2017/12/04 07:21
L8	38	(("MAYOU") near3 ("Phil")).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2017/12/04 07:21
L9	100	(("REIHMAN") near3 ("Eli")).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2017/12/04 07:21
L10	53	(("KOEHLER") near3 ("Katherine")).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2017/12/04 07:21
L11	56	(("DRAEGER") near3 ("Rian")).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2017/12/04 07:21
L12	20	(("TRAVEN") near3 ("Angela")).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2017/12/04 07:21
L13	329	L6 or L7 or L8 or L9 or L10 or L11 or L12	US-PGPUB; USPAT; USOCR	OR	ON	2017/12/04 07:21
L14	115	L13 and delay	US-PGPUB; USPAT; USOCR	OR	ON	2017/12/04 07:21
L15	8	L13 and delay.clm.	US-PGPUB; USPAT; USOCR	OR	ON	2017/12/04 07:21
L16	8	L13 and account.clm.	US-PGPUB; USPAT; USOCR	OR	ON	2017/12/04 07:29

L17	2	"20130159456"	US-PGPUB; USPAT; USOCR	OR	ON	2017/12/04 07:30
L18	1	"20050148890"	US-PGPUB; USPAT; USOCR	OR	ON	2017/12/04 07:31
L19	2	"20040243941"	US-PGPUB; USPAT; USOCR	OR	ON	2017/12/04 07:36
L20	1	"20130173742"	US-PGPUB; USPAT; USOCR	OR	ON	2017/12/04 07:48
L21	1	"20050165627"	US-PGPUB; USPAT; USOCR	OR	ON	2017/12/04 07:57
L22	729	((glucose or analyte) near5 (sensor or detector or monitor)) and ((server or cloud or (central near2 (computer or station))) same (threshold or alert or alarm) same (caregiver or physician or nurse or doctor))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/04 08:11
L23	144	((continuous or implanted) near5 (glucose or analyte) near5 (sensor or detector or monitor)) and ((server or cloud or (central near2 (computer or station))) same (threshold or alert or alarm or notification) same (caregiver or physician or nurse or doctor))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/04 08:12
L24	73	L23 and @ay<="2012"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/04 08:13
L25	337	L22 and @ay<="2012"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/04 08:27
L26	181	(((glucose or analyte) near5 (sensor or detector or monitor)) or cgm) and ((server or cloud or (central near2 (computer or station))) near5 (transmit$4 or send$4 or sent) near5 (alert or alarm or notification) same (caregiver or physician or nurse or doctor or remote))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/04 09:04
L27	84	L26 and @ay<="2012"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/04 09:05
L28	96	(((glucose or analyte) near5 (sensor or detector or monitor)) or cgm) and ((server or cloud or (central near2 (computer or station))) near5 (transmit$4 or send$4 or sent) near5 (alert or alarm or notification) near5 (caregiver or physician or nurse or doctor or remote))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/04 09:05
L29	41	L28 and @ay<="2012"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/04 09:06
L30	32	(US-20140088392-$ or US-20120245447-$ or US-20120108934-$ or US-20110320130-$ or US-20110213225-$ or US-20140121488-$ or US-20130117696-$ or US-20120136221-$ or US-20130116526-$ or US-20130159456-$ or US-20050148890-$ or US-20040243941-$ or US-20130173742-$ or US-20050165627-$ or US-20150019231-$ or US-20140206976-$ or US-20130116578-$ or US-20130095459-$ or US-20130013327-$ or US-20080077435-$	US-PGPUB; USPAT	OR	ON	2017/12/04 09:24

		or US-20120289787-$ or US-20120277543-$ or US-20080157980-$ or US-20110161111-$ or US-20090088607-$ or US-20060293570-$).did. or (US-20060089542-$).did. or (US-9585563-$ or US-9730621-$ or US-8005546-$ or US-8653965-$ or US-8517941-$).did.				
L31	12	L30 and delay	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/04 09:24
L32	1	L18 and remind$4	US-PGPUB; USPAT; USOCR	OR	ON	2017/12/04 09:41
L33	1	(US-20130117696-$).did.	US-PGPUB	OR	ON	2017/12/04 09:49
L34	1	L33 and account	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/04 09:49
L35	142	(patient) near5 (add$4 or creat$4) near5 (threshold or ((alert or alarm) near5 (rule or setting)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/04 10:20
L36	1	L35 and ((doctor or physician or nurse or caregiver) near5 (review$4 or adjust$4 or modify$4 or modifi$4) near5 (threshold or ((alert or alarm) near5 (rule or setting))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/04 10:22
L37	150	(patient) near5 (add$4 or creat$4) near5 (threshold or ((alert or alarm or notification) near5 (rule or setting)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/04 10:23
L38	1	L37 and ((doctor or physician or nurse or caregiver) near5 (review$4 or adjust$4 or modify$4 or modifi$4) near5 (threshold or ((alert or alarm or notification) near5 (rule or setting))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/04 10:23
L39	346	((doctor or physician or nurse or caregiver) near5 (review$4 or adjust$4 or modify$4 or modifi$4) near5 (threshold or ((alert or alarm or notification) near5 (rule or setting))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/04 10:24
L40	1435	((patient) near5 (review$4 or adjust$4 or modify$4 or modifi$4) near5 (threshold or ((alert or alarm or notification) near5 (rule or setting))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/04 10:24
L41	106	L39 and L40	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/04 10:24
L42	77	L41 and @ay<="2012"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	2017/12/04 10:24

			IBM_TDB			
L43	101253	A61B5/0002,0004,0022,145,14532,7264,7282,742,743,746,0015,0024,02,7435,7465.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/04 10:31
L44	54651	G06F19/3418,30,32,34,3406,3487.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/04 10:32
L45	37794	H04L67/12.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/04 10:32
L46	17835	H04Q9/00.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/04 10:33
L47	6721	H04Q2209/00,10,40,50,82,823,826.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/04 10:34
L48	193087	L43 or L44 or L45 or L46 or L47	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/04 10:34
L49	98	L39 and L48	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/04 10:35
L50	11608	((user or host) near5 (review$4 or adjust$4 or modify$4 or modifi$4) near5 (threshold or ((alert or alarm or notification) near5 (rule or setting))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/04 10:35
L51	20	L49 and L50	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/04 10:35
L52	1	((manager) near5 (review$4) near5 (threshold or ((alert or alarm or notification) near5 (rule or setting)))) and L48	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/04 10:37
L53	1	((manager or supervisor) near5 (review$4) near5 (threshold or ((alert or alarm or notification) near5 (rule or setting)))) and L48	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	2017/12/04 10:38

			IBM_TDB			
L54	4	((manager or supervisor) near5 (adjust$4 or modify$4 or modifi$4) near5 (threshold or ((alert or alarm or notification) near5 (rule or setting)))) and L48	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/04 10:38
L55	361	((manager or supervisor) near5 (adjust$4 or modify$4 or modifi$4) near5 (threshold or ((alert or alarm or notification) near5 (rule or setting))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/04 10:39
L56	251	55 and @ay<="2012"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/04 10:39
L57	251	L55 and @ay<="2012"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/04 10:39
L58	66	((supervisor or engineer) near5 (adjust$4 or modify$4 or modifi$4) near5 (threshold or ((alert or alarm or notification) near5 (rule or setting))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/04 10:40
L59	167860	((adjust$4 or modify$4 or modifi$4) near5 (threshold or ((alert or alarm or notification) near5 (rule or setting))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/04 10:56
L60	24	((adjust$4 or modify$4 or modifi$4) near5 (threshold or ((alert or alarm or notification) near5 (rule or setting)))) near5 (remote$4) near5 local$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/04 10:57
L61	4	"15617977"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/04 11:42
L62	4	(US-20170303785-$).did. or (US-9585563-$ or US-9801541-$ or US-9730621-$).did.	US-PGPUB; USPAT	OR	ON	2017/12/04 11:54
L63	4	L62 and invit$7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/04 11:55
L64	3	L62 and invit$7.clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/12/04 11:55
L65	10	L13 and invit$7.clm.	US-PGPUB; USPAT; USOCR; FPRS;	OR	ON	2017/12/04 11:55

			EPO; JPO; DERWENT; IBM_TDB			
L66	1	(US-9585563-$).did.	USPAT	OR	ON	2017/12/04 12:42
S1	98	("5832448" | "5897493" | "6168563" | "6364834" | "6366871" | "6368273" | "6416471" | "5442432" | "6447424" | "6668631" | "8735479" | "6343787" | "6957102" | "7026926" | "7103578" | "7399277" | "7448996" | "7618368" | "7685005" | "7811231" | "7933781" | "7946995" | "7881034" | "8085151" | "8086292" | "8355320" | "8381268" | "8409093" | "8786425" | "20020169584" | "20020169587" | "20030149526" | "20030208465" | "20040236189" | "20050038332" | "20050097200" | "20050143671" | "20050148890" | "20050165627" | "20050193191" | "20050207379" | "20050261062" | "20060047538" | "20060089542" | "20070088223" | "20070173710" | "20070185390" | "20070231846" | "20070253021" | "20080255116" | "20080015422" | "20080098038" | "20080250482" | "20080263100" | "20080319294" | "20080319295" | "20080319296" | "20090005703" | "20090203973" | "20100082364" | "20100088387" | "20100131294" | "20100191075" | "20100249625" | "20100265073" | "20100030596" | "20100313105" | "20110105854" | "20110119080" | "20110124996" | "20110149759" | "20110152970" | "20110160544" | "20110161111" | "20110213225" | "20110234406" | "20110289497" | "20110320130" | "20120016305" | "20120075103" | "20120108934" | "20120136221" | "20120216297" | "20120245447" | "20130030494" | "20130059541" | "20130116526" | "20130117696" | "20130132416" | "20130151708" | "20130159456" | "20130173742" | "20130285835" | "20140088392" | "20140118104" | "20140184423" | "20140207486" | "20150195286").PN.	US-PGPUB; USPAT	OR	ON	2017/11/30 13:04
S2	3	("8416085" | "20040015132" | "20060089452").PN.	US-PGPUB; USPAT	OR	ON	2017/11/30 13:06
S3	101	S1 or S2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/11/30 13:07
S4	30	S3 and ((glucose or analyte) near5 sensor) and (server or cloud or (central near2 (computer or station))) and (alert or alarm or notification)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/11/30 13:08
S5	24	S3 and ((continuous or implanted) near5 (glucose or analyte) near5 (sensor or detector or monitor)) and (server or cloud or (central near2 (computer or station))) and (alert or alarm or notification)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/11/30 13:10
S6	709	((continuous or implanted) near5 (glucose or analyte) near5 (sensor or detector or monitor)) and (server or cloud or (central near2 (computer or station))) and ((modif$4 or chang$4 or adjust$4 or add$4) near5 (((alarm or alert) near5 setting) or threshold))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/11/30 13:17
S7	367	S6 and @ay<="2012"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/11/30 13:18
S8	84	((continuous or implanted) near5 (glucose or analyte) near5 (sensor or detector or monitor)) and (server or cloud or (central near2 (computer or station))) and ((user or doctor or caregiver or nurse or physician) near5 (modif$4 or chang$4 or adjust$4 or add$4) near5 (((alarm or alert) near5 setting) or threshold))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/11/30 13:22
S9	84	((continuous or implanted) near5 (glucose or analyte) near5 (sensor or detector or monitor)) and (server or cloud or (central near2 (computer or station))) and ((user or doctor or caregiver or nurse or physician) near5 (modif$4 or chang$4 or adjust$4 or add$4) near5 (((alarm or alert) near5 (setting or rule)) or threshold))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/11/30 13:22
S10	25	S9 and @ay<="2012"	US-PGPUB; USPAT;	OR	ON	2017/11/30 13:22

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S11	154	(("MENSINGER") near3 ("Michael")).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2017/11/30 13:31
S12	180	(("COHEN") near3 ("Eric")).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2017/11/30 13:31
S13	38	(("MAYOU") near3 ("Phil")).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2017/11/30 13:31
S14	100	(("REICHMAN") near3 ("Eli")).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2017/11/30 13:31
S15	53	(("KOEHLER") near3 ("Katherine")).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2017/11/30 13:31
S16	56	(("DRAEGER") near3 ("Rian")).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2017/11/30 13:32
S17	20	(("TRAVEN") near3 ("Angela")).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2017/11/30 13:32
S18	329	S11 or S12 or S13 or S14 or S15 or S16 or S17	US-PGPUB; USPAT; USOCR	OR	ON	2017/11/30 13:32
S19	17	S18 and ((modif$4 or chang$4 or adjust$4 or add$4) near10 (((alarm or alert) near5 (setting or rule)) or threshold)).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2017/11/30 13:33
S20	3	"9801541"	US-PGPUB; USPAT; USOCR	OR	ON	2017/11/30 13:36
S21	18	S18 and ((modif$6 or chang$4 or adjust$4 or add$4) near10 (((alarm or alert) near5 (setting or rule)) or threshold)).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2017/11/30 13:37
S22	20	S18 and ((modif$6 or chang$4 or adjust$4 or add$4) near10 (((alarm or alert or set) near5 (setting or rule)) or threshold)).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2017/11/30 13:39
S23	22	S18 and ((modif$7 or chang$4 or adjust$4 or add$4) near10 (((alarm or alert or set) near5 (setting or rule)) or threshold)).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2017/11/30 13:42
S24	3	("20130117696").pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/11/30 13:48
S25	9	"20120136221"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/11/30 13:52
S26	4	"20130116526"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/11/30 14:08
S27	177	((continuous or implanted) near5 (glucose or analyte) near5 (sensor or detector or monitor)) and ((server or cloud or (central near2 (computer or station))) same ((transmit$4 or send$4 or sent) near5 (alert or alarm or notification)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/11/30 14:25
S28	72	"L728" and @ay<="2012"	US-PGPUB; USPAT;	OR	ON	2017/11/30 14:26

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			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S29	29	S27 and @ay<="2012"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/11/30 14:26
S30	45	((continuous or implanted) near5 (glucose or analyte) near5 (sensor or detector or monitor)) and ((server or cloud or (central near2 (computer or station))) same threshold same (caregiver or physician or nurse or doctor))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/11/30 15:16
S31	0	S25 and continuous	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/11/30 15:27
S32	1	S25 and glucose	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2017/11/30 15:27

EAST Search History (Interference)

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12/4/2017 1:17:07 PM
C:\Users\fbalseca\Documents\EAST\Workspaces\15617977.wsp

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 7

Complete if Known	
Application Number	15/617977
Filing Date	06/08/2017
First Named Inventor	Mensinger, Michael Robert
Art Unit	3735
Examiner Name	To be assigned
Attorney Docket Number	225C9

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	US- 5832448	11-03-1998	Brown, Stephen J.	
	2	US- 5897493	04-27-1999	Brown, Stephen J.	
	3	US- 6101478	08-08-2000	Brown, Stephen J.	
	4	US- 6168563	01-02-2001	Brown, Stephen J.	
	5	US- 6364834	04-02-2002	Reuss et al.	
	6	US- 6366871	04-02-2002	Geva et al.	
	7	US- 6368273	04-09-2002	Brown, Stephen J.	
	8	US- 6416471	07-09-2002	Kumar et al.	
	9	US- 6442432	08-27-2002	Lee, Michael Thomas	
	10	US- 6447424	11-05-2002	Thompson et al.	
	11	US- 6669631	12-30-2003	Norris et al.	
	12	US- 6735479	05-11-2004	Fabian et al.	
	13	US- 6943787	09-13-2005	Webb, James D.	
	14	US- 6957102	10-18-2005	Silver et al.	
	15	US- 7026929	04-11-2006	Wallace, Thomas E.	
	16	US- 7103578	09-05-2006	Beck et al.	
	17	US- 7399277	07-15-2008	Saidara et al.	
	18	US- 7448996	11-11-2008	Khanuja, Sukhwant Singh	
	19	US- 7618368	11-17-2009	Brown, Stephen J.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3] Number[4] Kind Code[5] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T[6]
	1	WO 2010-040092	04-08-2010	Calamera, Pablo M.		
	2	WO 2012-108935	08-16-2012	Abbott Diabetes Care Inc.		
	3	WO 2012-108936	08-16-2012	Abbott Diabetes Care Inc.		
	4	WO 2012-108939	08-16-2012	Abbott Diabetes Care Inc.		
	5	WO 2012-108940	08-16-2012	Abbott Diabetes Care Inc.		

Examiner Signature		Date Considered	

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Sheet 2 of 7

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First Named Inventor	Mensinger, Michael Robert
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Examiner Name	To be assigned
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	20	US- 7685005	03-23-2010	Riff et al.	
	21	US- 7811231	10-12-2010	Jin et al.	
	22	US- 7933781	04-26-2011	Bjorlin et al.	
	23	US- 7946995	05-24-2011	Koh et al.	
	24	US- 7981034	07-19-2011	Jennewine et al.	
	25	US- 8085151	12-27-2011	Jennewine, R. Curtis	
	26	US- 8086292	12-27-2011	Peyser, Thomas	
	27	US- 8355320	01-15-2013	Dhiman et al.	
	28	US- 8381268	02-19-2013	Wingel et al.	
	29	US- 8409093	04-02-2013	Bugler, Jocyon R.	
	30	US- 8786425	07-22-2014	Hutz et al.	
	31	US- 2002-0169584	11-14-2002	Fu, Zhongsu	
	32	US- 2002-0169587	11-14-2002	Emek et al.	
	33	US- 2003-0149526	08-07-2003	Zhou et al.	
	34	US- 2003-0208465	11-06-2003	Yurko et al.	
	35	US- 2004-0236189	11-25-2004	Hawthorne et al.	
	36	US- 2005-0038332	02-17-2005	Saidara et al.	
	37	US- 2005-0097200	05-05-2005	Denning et al.	
	38	US- 2005-0143671	06-30-2005	Hastings, David C.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3] Number[4] Kind Code[5] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T[6]

Examiner Signature		Date Considered	

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Sheet 3 of 7

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First Named Inventor	Mensinger, Michael Robert
Art Unit	3735
Examiner Name	To be assigned
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U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	39	US- 2005-0148890	07-07-2005	Hastings, David C.	
	40	US- 2005-0165627	07-28-2005	Fotsch et al.	
	41	US- 2005-0193191	09-01-2005	Sturgis et al.	
	42	US- 2005-0207379	09-22-2005	Shen et al.	
	43	US- 2005-0261062	11-24-2005	Lewin et al.	
	44	US- 2006-0047538	03-02-2006	Condurso et al.	
	45	US- 2006-0089542	04-27-2006	Sands, Alan	
	46	US- 2007-0088223	04-19-2007	Mann, Brian	
	47	US- 2007-0173710	07-26-2007	Petisce et al.	
	48	US- 2007-0185390	08-09-2007	Perkins et al.	
	49	US- 2007-0231846	10-04-2007	Cosentino	
	50	US- 2007-0253021	11-01-2007	Mehta et al.	
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	52	US- 2008-0015422	01-17-2008	Wessel, Paul	
	53	US- 2008-0098038	04-24-2008	Motoyama et al.	
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	56	US- 2008-0319294	12-25-2008	Taub, Marc B.	
	57	US- 2008-0319295	12-25-2008	Bernstein et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3]-Number[4]-Kind Code[5] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T[6]

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 4 of 7

Complete if Known	
Application Number	15/617977
Filing Date	06/08/2017
First Named Inventor	Mensinger, Michael Robert
Art Unit	3735
Examiner Name	To be assigned
Attorney Docket Number	225C9

U. S. PATENT DOCUMENTS

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	58	US- 2008-0319296	12-25-2008	Bernstein et al.	
	59	US- 2009-0005703	01-01-2009	Fasciano, Robert W.	
	60	US- 2009-0203973	08-13-2009	Donoghue et al.	
	61	US- 2010-0082364	04-01-2010	Taub et al.	
	62	US- 2010-0088387	04-08-2010	Calamera, Pablo M.	
	63	US- 2010-0131294	05-27-2010	Venon et al.	
	64	US- 2010-0191075	07-29-2010	Angelides	
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	66	US- 2010-0265073	10-21-2010	Harper, Wesley Scott	
	67	US- 2010-0030596	12-02-2010	Benjamin et al.	
	68	US- 2010-0313105	12-09-2010	Nekoomaram et al.	
	69	US- 2011-0105854	05-05-2011	Kiani et al.	
	70	US- 2011-0119080	05-19-2011	Hayter et al.	
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	72	US- 2011-0149759	06-23-2011	Jollota, James	
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	74	US- 2011-0160544	06-30-2011	Hayter, Gary A.	
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Sheet 5 of 7

Complete if Known	
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Filing Date	06/08/2017
First Named Inventor	Mensinger, Michael Robert
Art Unit	3735
Examiner Name	To be assigned
Attorney Docket Number	225C9

U. S. PATENT DOCUMENTS

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	78	US- 2011-0289497	11-24-2011	Klaie et al.	
	79	US- 2011-0320130	12-29-2011	Valdes et al.	
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	88	US- 2013-0116526	05-09-2013	Javitt et al.	
	89	US- 2013-0117696	05-09-2013	Robertson et al.	
	90	US- 2013-0132416	05-23-2013	Hayter et al.	
	91	US- 2013-0151708	06-13-2013	Shelby et al.	
	92	US- 2013-0159456	06-20-2013	Daoud et al.	
	93	US- 2013-0173742	07-04-2013	Thomas et al.	
	94	US- 2013-0285835	10-31-2013	Kim et al.	
	95	US- 2014-0088392	03-27-2014	Bernstein et al.	

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Sheet 6 of 7

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Filing Date	06/08/2017
First Named Inventor	Mensinger, Michael Robert
Art Unit	3735
Examiner Name	To be assigned
Attorney Docket Number	225C9

U. S. PATENT DOCUMENTS

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	96	US- 2014-0118104	05-01-2014	Sicurello et al.	
	97	US- 2014-0184423	07-03-2014	Mensinger et al.	
	98	US- 2014-0207486	07-24-2014	Carty, Martin	
	99	US- 2015-0195286	07-09-2015	Doppler et al.	
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Sheet 7 of 71

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Application Number	15617977
Filing Date	06/08/2017
First Named Inventor	Mensinger, Michael Robert
Art Unit	3735
Examiner Name	To be assigned
Attorney Docket Number	225C9

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	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, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
	1	American Diabetes Association (2009), Diabetes Care 32(Suppl 1):S13-S61. Standards of Medical Care in Diabetes - 2009	
	2	Dassau et al. (2009), Journal of Diabetes 3(6):1501-1506. Enhanced 911/Global Position System Wizard: A Telemedicine Application for the Prevention of Sever Hypoglycemia - M	
	3	Garg et al. (2006), Diabetes Care 29(1):44-50. Improvement in Glycemic Excursions with a Transcutaneous, Real-Time Continuous Glucose Sensor: A Randomized Controlled Trial	
	4	Hirsch and Brownlee (2005), Journal of Diabetes and its Complications 19:178-181. Should Minimal Blood Glucose Variability Become the Gold Standard of Glycemic Control?	
	5	Kovatchev et al. (2003), Diabetes Technology & Therapeutics 5(5):817-828. Algorithmic Evaluation of Metabolic Control and Risk of Sever Hypoglycemia in Type 1 and Type 2 Diab	
	6	Marling et al. (2011), Journal of Diabetes Science & Technology 5(4):871-878. Characterizing Blood Glucose Variability Using New Metrics with Continuous Glucose Monitoring Da	
	7	Penckofer et al. (2012), Diabetes Technology & Therapeutics 14(4):303-310. Does Glycemic Variability Impact Mood and Quality of Life?	
	8	Wiley et al. (2011), 2011 10th International Conference on Machine Learning and Applications, IEEE Computer Sociaty pp. 148-154. Automatic Detection of Excessive Glycemic Var	

Examiner Signature	/FRANKLIN D BALSECA/	Date Considered	11/30/2017

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Michael Robert Mensinger	Examiner: Balseca, Franklin D.
Serial No.: 15/617,977	Art Unit: 2685
Filed: June 8, 2017	Conf. No.: 8138
Title: Remote Monitoring of Analyte Measurements	

AMENDMENT AND REPLY UNDER 37 C.F.R. § 1.111

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

Dear Sir:

In response the Non-Final Office Action mailed December 14, 2017, (hereinafter referred to as the *Office Action*), Applicant respectfully requests withdrawal of the outstanding rejections in light of the amendments and remarks herein.

Amendments to the Claims begin on page 2.

Remarks begin on page 5.

Abbott Ex. 1002 - 264/848

AMENDMENTS TO THE CLAIMS

Without prejudice or surrender of any subject matter, this listing of claims will replace all prior versions and listings of claims in the application:

1. **(Currently Amended)** A method comprising:

receiving, at a remote monitor, an invitation to access a secure server and data associated with a receiver monitoring an analyte state of a host; [[and]]

providing, from the remote monitor to the secure server, an acceptance to the invitation;

modifying, by the remote monitor, a rule defining an alert representative of an event associated with the analyte state of the host, wherein the alert, when triggered, causes an alert message to be sent to the remote monitor from a server to notify the remote monitor of the event; and

modifying, by the remote monitor, a rule varying a time value between when a reminder message is sent to the remote monitor after the alert message is sent, the reminder message only being sent if the alert message has not been previously acknowledged by the remote monitor and only if the event associated with the analyte state of the host has not changed after the alert message was sent.

2. **(Currently Amended)** The method of claim 1, wherein the modifying the rule defining the alert comprises varying a first threshold associated with a low level of glucose at the host.

3. **(Currently Amended)** The method of claim 1, wherein the modifying the rule defining the alert comprises varying a second threshold associated with a high level of glucose at the host.

4. **(Currently Amended)** The method of claim 1, ~~wherein~~ further comprising [[the]] modifying [[the]] a rule ~~comprises~~ varying a delay between when [[the]] a notification message is sent to the receiver and the alert ~~a notification~~ message is sent to the remote monitor.

5. **(Cancelled)**

6. **(Original)** The method of claim 1, wherein the invitation is associated with a set of recommended rule settings configured by a host monitoring system, wherein the recommended settings are provided to the remote monitor for acceptance or modification.

Abbott Ex. 1002 - 265/848

7. **(Currently Amended)** The method of claim 1, ~~further comprising accepting the invitation at the remote monitor,~~ wherein accepting the invitation programically establishes an account associated with the remote monitor at the server.

8. **(Currently Amended)** An apparatus for remote monitoring of a hosts analyte levels, the apparatus comprising:

at least one processor; and

at least one memory including code, which when executed by the at least one processor causes the apparatus to:

receive~~, at a remote monitor,~~ an invitation to access a secure server and data associated with a receiver monitoring an analyte state of a host; [[and]]

provide to the secure server an acceptance to the invitation;

modify~~, by the remote monitor,~~ a rule defining an alert representative of an event associated with the analyte state of the host, wherein the alert, when triggered, causes an alert message to be sent to the ~~remote monitor~~ apparatus from a server to notify the ~~remote monitor~~ apparatus of the event; and

modify a rule varying a time value between when a reminder message is sent to the apparatus after the alert message is sent, the reminder message only being sent if the alert message has not been previously acknowledged by the apparatus and only if the event associated with the analyte state of the host has not changed after the alert message was sent.

9. **(Currently Amended)** The apparatus of claim 8, wherein the modifying the rule defining the alert comprises varying a first threshold associated with a low level of glucose at the host.

10. **(Currently Amended)** The apparatus of claim 8, wherein the modifying the rule defining the alert comprises varying a second threshold associated with a high level of glucose at the host.

11. **(Currently Amended)** The apparatus of claim 8, wherein the code further causes the apparatus to [[the]] modify[[ing]] [[the]] a rule ~~comprises~~ varying a delay between when [[the]] a message is sent to the receiver and the alert ~~a notification~~ message is sent to the ~~remote monitor~~ apparatus.

12. **(Cancelled)**

Abbott Ex. 1002 - 266/848

13. **(Currently Amended)** The apparatus of claim 8, wherein the invitation is associated with a set of recommended rule settings configured by a host monitoring system, wherein the recommended settings are provided to the ~~remote monitor~~ apparatus for acceptance or modification.

14. **(Currently Amended)** The apparatus of claim 8, wherein the apparatus is configured to accept the invitation responsive to user input at the ~~remote monitor~~ apparatus, wherein accepting the invitation programically establishes an account associated with the ~~remote monitor~~ apparatus at the server.

15. **(New)** The method of claim 1, wherein providing the acceptance to the invitation occurs after modifying the rule varying the time value between when the reminder message is sent to the remote monitor after the alert message is sent.

16. **(New)** The apparatus of claim 8, wherein providing the acceptance to the invitation occurs after modifying the rule varying the time value between when the reminder message is sent to the apparatus after the alert message is sent.

Abbott Ex. 1002 - 267/848

REMARKS

Claims 1-14 are pending and stand rejected. In order to accelerate prosecution and without waiving any arguments, Applicant is amending Claims 1-4, 7-11, 13, and 14 and cancelling Claims 5 and 12. Applicant is also adding new Claims 15 and 16. No new matter was added by way of the amendments and new claims. By these proposed claim amendments and the following remarks, Applicant does not acquiesce to the propriety of any of the Examiner's objections or rejections and does not disclaim any subject matter to which Applicant is entitled. *Cf. Warner-Jenkinson Co. v. Hilton Davis Chem. Co.*, 41 U.S.P.Q. 2d 1865 (U.S. 1997).

Non-statutory Obviousness-Type Double Patenting

I. The Examiner rejected independent Claims 1-6 and 8-14 on the ground of non-statutory obviousness-type double patenting as being unpatentable "over claims 1-5 and 16-21 of U.S. Patent No. 9,585,563" *Office Action*, p. 3.

The Examiner additionally stated that "[a] timely filed terminal disclaimer in compliance with 37 C.F.R. §1.321(c) or §1.321(d) may be used to overcome an actual or provisional rejection based on a non-statutory double patenting ground provided the reference application or patent either is shown to be commonly owned with this application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement." *Id.* at 2.

To articulate a *prima facie* case of obviousness under 35 U.S.C. §103(a), the PTO must, *inter alia*, cite prior art that teaches or suggests all the claimed limitations. *In re Royka*, 490 F.2d 981 (C.C.P.A. 1974). The identified claims of U.S. Patent No. 9,585,563 does not teach or suggest all of the limitations of Claims 1-6 and 8-14 as amended. Accordingly, a *prima facie* case of obviousness cannot be established and Applicant respectfully requests that the rejection be withdrawn.

Claim Rejections – 35 U.S.C. §103

I. The Examiner rejected Claims 1-3 and 8-10 under pre-AIA 35 U.S.C. § 103(a) as being unpatentable over:

U.S. Pat. Pub. No. 2013/0117696 to Robertson et al. (hereinafter referred to as *Robertson*), U.S. Pat. Pub. No. 2012/0136221 to Killen et al. (hereinafter referred to as *Killen*), in view of U.S. Pat. Pub. No. 2012/0108934 to Valdes et al. (hereinafter referred to as *Valdes*)

Abbott Ex. 1002 - 268/848

To maintain a proper rejection under 35 U.S.C. §103, the Examiner must meet four conditions to establish a *prima facie* case of obviousness. First, the Examiner must show that the prior art suggested to those of ordinary skill in the art that they should make the claimed composition or device or carry out the claimed process. Second, the Examiner must show that the prior art would have provided one of ordinary skill in the art with a reasonable expectation of success. Both the suggestion and the reasonable expectation of success must be adequately founded in the prior art and not in an Applicant's disclosure. Third, the prior art must teach or suggest all the claim limitations. *In re Vaeck,* 20 U.S.P.Q.2d 1438, 1442 (Fed. Cir. 1991). Fourth, if an obviousness rejection is based on some combination of prior art references, the Examiner must show a suggestion, teaching, or motivation to combine the prior art references ("the TSM test"). *In re Dembiczak,* 50 U.S.P.Q.2d 1614, 1617 (Fed. Cir. 1999). Following *KSR Int'l Co. v. Teleflex, Inc.*, this fourth prong of the *prima facie* obviousness analysis must not be applied in a rigid or formulaic way such that it becomes inconsistent with the more flexible approach of *Graham v. John Deere*, 383 U.S. 1, 17-18 (1966). 127 S. Ct. 1727 (2007). It must still be applied, however, as the TSM test captures the important insight that "a patent composed of several elements is not proved obvious merely by demonstrating that each of its elements was, independently, known in the prior art." *Id.* (citing *United States v. Adams*, 383 U.S. 39, 50-52 (1966)).

Regarding Claim 1, Applicant is amending Claim 1 as follows:

> 1. A method comprising:
>
> receiving, at a remote monitor, an invitation to access a secure server and data associated with a receiver monitoring an analyte state of a host;
>
> providing, from the remote monitor to the secure server, an acceptance to the invitation;
>
> modifying, by the remote monitor, a rule defining an alert representative of an event associated with the analyte state of the host, wherein the alert, when triggered, causes an alert message to be sent to the remote monitor from a server to notify the remote monitor of the event; and
>
> modifying, by the remote monitor, a rule varying a time value between when a reminder message is sent to the remote monitor after the alert message is sent, the reminder message only being sent if the alert message has not been previously acknowledged by the remote monitor and only if the event

Abbott Ex. 1002 - 269/848

> associated with the analyte state of the host has not changed after the alert message was sent.

The amendments to Claim 1 include some of the subject matter from Claim 5 (now cancelled). Regarding Claim 5, the Examiner admits that *Robertson*, *Killen* and *Valdes* do not teach or suggest "modifying the rule comprises varying a time value between one the messages sent to the remote monitor and reminder messages sent to the remote monitor." *Id.*, at p. 11. As such, *Robertson*, *Killen* and *Valdes* do not teach or suggest: "modifying, by the remote monitor, a rule varying a time value between when a reminder message is sent to the remote monitor after the alert message is sent, the reminder message only being sent if the alert message has not been previously acknowledged by the remote monitor and only if the event associated with the analyte state of the host has not changed after the alert message was sent" as required by the claim.

Regarding Claim 5, the Examiner states that U.S. Patent Publication 2005/0148890 (hereinafter referred to as *Hastings*) teaches "a method to receive alerts at a remote monitor where the user of the remote monitor can vary a time value between when the message is sent to the remote monitor and a reminder message is sent to the remote monitor [par. 0243 L. 1-9, par. 0246]." *Id.* at 10.

Applicant respectfully submits that *Hastings* does not appear to teach or suggest "a method to receive alerts at a remote monitor where the user of the remote monitor can vary a time value between when the message is sent to the remote monitor and a reminder message is sent to the remote monitor." *Hastings* appears to disclose (1) activating reminders based on severity of a condition; (2) blocking a time during which acknowledgments cannot be received; and (3) varying a time for escalation (i.e., sending messages to others if no acknowledgement is received).

For example, Paragraph 0243 of *Hastings* discloses "Reminders may be controlled based on any number of factors and may include controlling whether to send reminders based on a severity of the condition leading to the alarm." Paragraph 0246 of *Hastings* discloses "The user may also set a protected time between when the caregiver receiver receives an alarm and when the notification program of notification server 52 will accept acknowledgement of the alarm at entry 920. This may protect against accidental acknowledgement of the alarm by a caregiver." Paragraph 0246 further discloses "A user may also set an acknowledgement period which is an amount of time that a system will wait for a response from a caregiver receiver that has been determined to

Abbott Ex. 1002 - 270/848

have received the alarm before taking further actions (such as transmitting the notification message to groups) —see blocks 318 and 320 of FIG. 4" (FIG. 4 discloses "Receive Response" in step 320 and, if no response is received, the arrow goes to "transmit to group" in step 318).

For at least these reasons, Applicant respectfully submits that the cited art does not appear to teach or suggest "modifying, by the remote monitor, a rule varying a time value between when a reminder message is sent to the remote monitor after the alert message is sent" or "the reminder message only being sent if the alert message has not been previously acknowledged by the remote monitor and only if the event associated with the analyte state of the host has not changed after the alert message was sent" as required by the claim is amended.

For at least these reasons, Applicant respectfully requests that the rejection to Claim 1, as well as the rejections to the claims that depend upon Claim 1, be withdrawn.

Regarding Claims 2 and 3, the claims depend upon Claim 1 as amended. For at least the reasons discussed regarding Claim 1, Applicant respectfully requests that the rejections to the claims be withdrawn.

Regarding Claim 8, the claim as amended contains subject matter that is similar to that of Claim 1. For at least the reasons discussed with regard to Claim 1, Applicant respectfully requests that the rejection to Claim 8, as well as the rejections to the claims that depend upon Claim 8, be withdrawn.

Regarding Claims 9 and 10, the claims depend upon Claim 8 as amended. For at least the reasons discussed regarding Claims 1 and 8, Applicant respectfully requests that the rejections to the claims be withdrawn.

II. The Examiner rejected Claims 4, 5, 11, and 12 under pre-AIA 35 U.S.C. § 103(a) as being unpatentable over *Robertson*, *Killen* and *Valdes* as applied to Claims 1 and 8 and further in view of *Hastings*.

Regarding Claims 5 and 12, the subject matter of the claims has been added to independent Claims 1 and 8, respectively. Without waiving any arguments and in order to accelerate prosecution, Applicant is canceling Claims 5 and 12. Applicant respectfully requests that the rejections to Claims 5 and 12 be withdrawn as moot.

Abbott Ex. 1002 - 271/848

Regarding Claims 4 and 11, Claim 4 as amended recites "further comprising modifying a rule varying a delay between when a notification message is sent to the receiver and the alert message is sent to the remote monitor." The Examiner rejected the claim stating that "Hastings teaches a method to receive alerts at a remote monitor where the user of the remote monitor can select the time when the alert is received at the remote monitor [par. 0178 L. 1-4, par. 0179 L. 12-1]." *Office Action*, p. 10. Claim 11 contains similar subject matter to Claim 4.

Claims 4 and 11 rely on independent Claims 1 and 8, respectively. For at least the reasons discussed regarding Claims 1 and 8, Applicant respectfully requests that the rejections to Claims 4 and 11 be withdrawn.

III. The Examiner rejected Claims 6 and 13 under pre-AIA 35 U.S.C. § 103(a) as being unpatentable over *Robertson*, *Killen* and *Valdes* as applied to Claims 1 and 8 and further in view of U.S. Patent Publication No. 2004/0243941 (hereinafter referred to as *Fish*) and U.S. Patent Publication No. 2013/0173742 (hereinafter referred to as *Thomas*).

Regarding Claims 6 and 13, the claims rely on independent Claims 1 and 8, respectively. As discussed regarding Claim 1, *Robertson*, *Killen*, *Valdes*, and *Hastings* do not teach or suggest: "modifying, by the remote monitor, a rule varying a time value between when a reminder message is sent to the remote monitor after the alert message is sent, the reminder message only being sent if the alert message has not been previously acknowledged by the remote monitor and only if the event associated with the analyte state of the host has not changed after the alert message was sent" as required by the claim as amended.

Fish and *Thomas* do not appear to cure the deficiencies of *Robertson*, *Killen*, *Valdes*, and *Hastings*. The abstract of *Fish* discloses:

> A user of an instant messaging system may store names of other users of the instant messaging system on a participant list (which may be referred to as a "buddy list"), and the names may be categorized into one or more groups. Similarly, a user of a mobile device, such as a mobile telephone, may store contact information about people on the mobile device. Information describing the on-line presence of the user within the instant messaging system or the geographic location of a mobile device, such as a mobile telephone associated with the user, may be disseminated to users on the

Abbott Ex. 1002 - 272/848

> participant list or to people on the contact list based on notification information that is associated with groups of users or contacts.

Applicant respectfully submits that *Fish* does not teach or suggest varying any time values between messages. As such, *Fish* does not appear to teach or suggest "modifying, by the remote monitor, a rule varying a time value between when a reminder message is sent to the remote monitor after the alert message is sent, the reminder message only being sent if the alert message has not been previously acknowledged by the remote monitor and only if the event associated with the analyte state of the host has not changed after the alert message was sent" as required by the claim as amended.

Thomas is an odd reference from a non-analogous field. *Thomas* is directed to "systems and methods for latency-based synchronized [television] playback at multiple locations." *Thomas*, Title of Publication. For example, the Abstract of *Thomas* discloses:

> Embodiments provide methods and systems for synchronizing simultaneous media asset viewing for users at different geographical viewing locations. In some embodiments, a first user device receives a request to synchronize viewing of a media asset [e.g., a television program] with a second user device. If the first user device accepts the request for synchronized viewing, the first and second user devices receive the media asset from a common source. Control circuitry at the common source may determine the latencies to the first and second user devices. The transmission of the media asset to the first and second user devices is adjusted according to the latencies.

Paragraphs [0029] and [0030] of *Thomas* further describes that:

> many users desire a form of media guidance through an interface that allows users to efficiently navigate content selections and easily identify content that they may desire. An application that provides such guidance is referred to herein as an interactive media guidance application or, sometimes, a media guidance application or a guidance application.
>
> Interactive media guidance applications may take various forms depending on the content for which they provide guidance. One typical type of media guidance application is an interactive television program guide.

Abbott Ex. 1002 - 273/848

Like *Fish*, Applicant respectfully submits that *Thomas* does not teach or suggest varying any time values between messages. As such, *Thomas* does not appear to teach or suggest "modifying, by the remote monitor, a rule varying a time value between when a reminder message is sent to the remote monitor after the alert message is sent, the reminder message only being sent if the alert message has not been previously acknowledged by the remote monitor and only if the event associated with the analyte state of the host has not changed after the alert message was sent" as required by the claim as amended. Rather *Thomas* merely discloses an interactive media guidance application for television programming and has nothing to do with health care.

For at least these reasons, as well as the reasons discussed regarding Claims 1 and 8, Applicant respectfully requests that the rejections to Claims 6 and 13 be withdrawn.

IV. The Examiner rejected Claims 7 and 14 under pre-AIA 35 U.S.C. § 103(a) as being unpatentable over *Robertson*, *Killen* and *Valdes* as applied to Claims 1 and 8 and further in view of U.S. Patent Publication No. 2013/0159456 (hereinafter referred to as *Daoud*).

Regarding Claims 7 and 14, the claims rely on independent Claims 1 and 8, respectively. As discussed regarding Claim 1, *Robertson*, *Killen*, *Valdes*, and *Hastings* do not teach or suggest: "modifying, by the remote monitor, a rule varying a time value between when a reminder message is sent to the remote monitor after the alert message is sent, the reminder message only being sent if the alert message has not been previously acknowledged by the remote monitor and only if the event associated with the analyte state of the host has not changed after the alert message was sent" as required by the claim as amended.

Daoud does not appear to cure the deficiencies of *Robertson*, *Killen*, *Valdes*, and *Hastings*. *Daoud* discloses "stored data is accessed over a computer network through a network data manager. Data may be stored and transferred to the network data manager from a product device using an uploader application. In one aspect, a request message containing an access request or identifier is received at the network data manager from a client device for access to a data storage facility." *Daoud*, Abstract. In paragraph [0081], *Daoud* discloses that an "invitation message [is] sent by the network data manager and received by the invitee is illustrated in FIG. 24, which is a screenshot of the invitation message 2402. Upon sending the invitation from either of the windows

Abbott Ex. 1002 - 274/848

2002 or 2102, the third party who receives the invitation to share data may reply to the message and become authorized to share data."

Like *Fish* and *Thomas*, Applicant respectfully submits that *Daoud* does not teach or suggest varying any time values between messages. As such, *Daoud* does not appear to teach or suggest "modifying, by the remote monitor, a rule varying a time value between when a reminder message is sent to the remote monitor after the alert message is sent, the reminder message only being sent if the alert message has not been previously acknowledged by the remote monitor and only if the event associated with the analyte state of the host has not changed after the alert message was sent" as required by the claim as amended.

For at least these reasons, as well as the reasons discussed regarding Claims 1 and 8, Applicant respectfully requests that the rejections to Claims 7 and 14 be withdrawn.

No Disclaimers or Disavowals

Although the present communication may include alterations to the application or claims, or characterizations of claim scope or referenced art, Applicant is not conceding in this application that previously pending claims are not patentable over the cited references. Rather, any alterations or characterizations are being made to facilitate expeditious prosecution of this application. Applicant reserves the right to pursue at a later date any previously pending or other broader or narrower claims that capture any subject matter supported by the present disclosure, including subject matter found to be specifically disclaimed herein or by any prior prosecution. Accordingly, reviewers of this or any parent, child or related prosecution history shall not reasonably infer that Applicant has made any disclaimers or disavowals of any subject matter supported by the present application.

Any remarks in support of patentability of one claim should not be imputed to any other claim, even if similar terminology is used. Any language or remarks referring to only a portion of a claim should not necessarily be understood to base patentability on solely that portion; rather, patentability rests on each claim taken as a whole.

Abbott Ex. 1002 - 275/848

Applicant respectfully submits that to the extent any disclaimers or statements were made previously during prosecution with respect to the scope of the claimed invention, such disclaimers and statements are hereby rescinded.

Applicant respectfully reserves the ability to traverse any of the rejections, assertions and submissions made in connection with the application, even if not discussed herein, including the right to challenge later whether any of the cited references is prior art. The absence of a reply to a specific rejection, issue, or comment does not signify agreement with or concession of that rejection, issue, or comment. In addition, because any arguments made may not be exhaustive, there may be other reasons that have not been expressed for patentability of any or all claims. When amendments are made to any claims, no acquiescence or estoppel is implied thereby; such amendments are made only to expedite prosecution of the present application and are without prejudice to the presentation or assertion, in the future, of claims directed to subject matter that is same as or similar to that previously presented. Nothing in this paper should be construed as an intent to concede, or actual concession of, any issue with regard to any claim, or to any cited art, except as specifically stated in this paper, and the amendment or cancellation of any claim does not necessarily signify concession of unpatentability of the claim prior to its amendment or cancellation.

Abbott Ex. 1002 - 276/848

Conclusion

Should the Examiner have any concerns that might prevent the prompt allowance of the application, the Examiner is respectfully invited to contact the undersigned at the telephone number below.

Please charge any additional fees, including any fees for additional extension of time, or credit overpayment to Deposit Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: March 13, 2018

By: /Rose M. Thiessen/
Rose M. Thiessen
Registration No. 40,202
Attorney of Record
Customer No. 68851
(858) 707-4000

27787803

Abbott Ex. 1002 - 277/848

Electronic Acknowledgement Receipt

EFS ID:	32040865
Application Number:	15617977
International Application Number:	
Confirmation Number:	8138
Title of Invention:	REMOTE MONITORING OF ANALYTE MEASUREMENTS
First Named Inventor/Applicant Name:	Michael Robert Mensinger
Customer Number:	68851
Filer:	Rose M. Thiessen/Christina Graul
Filer Authorized By:	Rose M. Thiessen
Attorney Docket Number:	DEXCOM.225C3
Receipt Date:	13-MAR-2018
Filing Date:	08-JUN-2017
Time Stamp:	17:54:07
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		225C3_AMEND.pdf	90795 34692e0e141ea9a35d221bce89a81fdf8e499184	yes	14

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Amendment/Req. Reconsideration-After Non-Final Reject	1	1
	Claims	2	4
	Applicant Arguments/Remarks Made in an Amendment	5	14
Warnings:			
Information:			
	Total Files Size (in bytes):	90795	

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New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

PTO/SB/06 (09-11)
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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 15/617,977	Filing Date 06/08/2017	☐ 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 $80 =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =		*		x $420 =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).					
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))						
* If the difference in column 1 is less than zero, enter "0" in column 2.					TOTAL	

APPLICATION AS AMENDED - PART II

		(Column 1)		(Column 2)	(Column 3)			
AMENDMENT	03/13/2018	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 14	Minus	** 20	= 0		x $100 =	0
	Independent (37 CFR 1.16(h))	* 2	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

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

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

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

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

PTO/SB/08a (07-09)
Approved for use through 07/31/2016. OMB 0651-0031
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 2 of 2

Complete if Known	
Application Number	15/617977
Filing Date	06/08/2017
First Named Inventor	Mensinger, Michael Robert
Art Unit	3735
Examiner Name	Balseca, Franklin D
Attorney Docket Number	225C9

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	US- 9198623	12-01-2015	Fern et al.	
		US-			
		US-			
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		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3]-Number[4]-Kind Code[5] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T[6]
	1	JP 2008-098744-A	04-24-2008	Sharp Corp.		
	2	JP 2008-216057-A	09-18-2008	Tokyo Electric Power Co.		

Examiner Signature		Date Considered	

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

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

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Electronic Acknowledgement Receipt

EFS ID:	32995140
Application Number:	15617977
International Application Number:	
Confirmation Number:	8138
Title of Invention:	REMOTE MONITORING OF ANALYTE MEASUREMENTS
First Named Inventor/Applicant Name:	Michael Robert Mensinger
Customer Number:	68851
Filer:	Iftekhar O. Mirza/Venezia Petrova
Filer Authorized By:	Iftekhar O. Mirza
Attorney Docket Number:	DEXCOM.225C3
Receipt Date:	25-JUN-2018
Filing Date:	08-JUN-2017
Time Stamp:	16:10:58
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		2018-0625-IDS-225C9.pdf	168456 010b8e22dd471d5b31f65e1207d04ca1968b7da3	yes	2

	Multipart Description/PDF files in .zip description				
	Document Description		Start	End	
	Transmittal Letter		1	1	
	Information Disclosure Statement (IDS) Form (SB08)		2	2	
Warnings:					
Information:					
2	Foreign Reference	JP-2008-098744-A-EngAbstract.pdf	67406 375d1e204ef690c8285ea2535b8907592a8faccb	no	1
Warnings:					
Information:					
3	Foreign Reference	JP-2008-216057-A-EngAbstract.pdf	69739 d4b4ff9205d319d14057d383a05386c406c8259f	no	1
Warnings:					
Information:					
		Total Files Size (in bytes):	305601		

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New Applications Under 35 U.S.C. 111

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

New International Application Filed with the USPTO as a Receiving Office

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

Docket No. 225C9

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant	:	Dexcom, Inc.
Inventor(s)	:	Michael Robert Mensinger *et al.*
App. No	:	15/617977
Filed	:	08-June-2017
For	:	REMOTE MONITORING OF ANALYTE MEASUREMENTS
Examiner	:	Franklin D Balseca
Art Unit	:	2685
Conf #	:	8138

CERTIFICATE OF TRANSMITTAL UNDER 37 C.F.R. 1.8

I hereby certify that this paper (along with anything referred to as being attached or enclosed) is being filed electronically via EFS-Web at the United States Patent and Trademark Office on 25 June 2018.

By: _____
Venezia Petrova

INFORMATION DISCLOSURE STATEMENT

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

Dear Sir:

Submitted herewith in the above-identified application is an Information Disclosure Statement listing references for consideration. In accordance with 37 C.F.R. §1.98(a)(2)(ii), Applicant submits herewith copies of all cited references, other than copies of U.S. patents or U.S. patent publications.

It is respectfully requested that the Examiner initial and return a copy of the enclosed Form PTO/SB/08 and indicate in the official file wrapper of this patent application that the documents listed therein have been considered. This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection or Notice of Allowance.

I hereby state that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. §1.97(e)(1). Consequently, Applicants believe that no fee is due. If this is incorrect, and a fee is due, the Commissioner is hereby authorized to charge the appropriate amount to Deposit Account No. 506176, referencing Applicant Docket No. DEXCOM. 225C9. Further, the Commissioner is hereby authorized to charge all fees and credit all overpayments to Deposit Account No. 506176 during the pendency of this application.

Respectfully submitted,
DEXCOM, INC.

Dated: 6/22/18

By: _____
Iftekhar Mirza, Reg. No. 76,674

Customer Number 68851
DEXCOM, INC.
6340 Sequence Drive
San Diego, CA 92121
Telephone: 858.875.9786

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/617,977	06/08/2017	Michael Robert Mensinger	DEXCOM.225C3	8138

68851 7590 06/29/2018

KNOBBE, MARTENS, OLSON & BEAR, LLP
DEXCOM, INC.
2040 MAIN STREET
FOURTEENTH FLOOR
IRVINE, CA 92614

EXAMINER
BALSECA, FRANKLIN D

ART UNIT	PAPER NUMBER
2685	

NOTIFICATION DATE	DELIVERY MODE
06/29/2018	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):

jayna.cartee@knobbe.com
efiling@knobbe.com

Office Action Summary	Application No. 15/617,977	Applicant(s) MENSINGER ET AL.	
	Examiner FRANKLIN BALSECA	Art Unit 2685	AIA (First Inventor to File) Status No

-- 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 *03/13/2018*.

☐ 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) *1-4,6-11 and 13-16* 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) *1-4,6-11 and 13-16* 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: _____.

Detailed Action

Response to Arguments

1. Applicant's arguments with respect to claim(s) 1 and 8 have been considered but are moot in view of new ground(s) of rejection necessitated by the amendments.

Claim Rejections - 35 USC § 112

The following is a quotation of 35 U.S.C. 112(b):

> (b) CONCLUSION.—The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the inventor or a joint inventor regards as the invention.

The following is a quotation of 35 U.S.C. 112 (pre-AIA), second paragraph:

> The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

2. Claim(s) 1-4, 6-11 and 13-16 is/are rejected under 35 U.S.C. 112(b) or 35 U.S.C. 112 (pre-AIA), second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which the inventor or a joint inventor, or for pre-AIA the applicant regards as the invention.

In regards to claim 1, the claim recites "modifying , by the remote monitor, a rule varying a time value between when a reminder message is sent to the remote monitor after the alert message is sent". The word "between" in the aforementioned limitation means that the claimed time value is between two events. However the claim

only mentions one event "when a reminder message is sent to the remote monitor after the alert message is sent". It is unclear between which events the claimed time value is. For this reason, the claim is indefinite. The examiner has interpreted the claim in the following way in order to advance prosecution: "modifying , by the remote monitor, a rule varying a time value between when the alert message is sent and when a reminder message is sent to the remote monitor after the alert message is sent".

In regards to claims 8, 15 and 16, the claims have the same issues as described in claim 1 above. For this reason, the claims are indefinite.

In regards to claim 2-4, 6, 7, 9-11 and 13-14, the claims are indefinite because they are dependent on claims 1 or 8.

Claim Rejections - 35 USC § 103

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

> (a) A patent may not be obtained through the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

3. Claim(s) 1-3, 8-10, 15 and 16 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Robertson et al. (US-2013/0117696) in view of Killen et al (US-

2012/0136221), Valdes et al. (US-2012/0108934), Carnes (US-8,912,897) and Ridolfo (US-6,492,901).

In regards to claim 1, Robertson teaches a method comprising the step of receiving, at a remote monitor, an invitation to access a secure server and data associated with a receiver monitoring physiological state of a host [fig. 1 elements 108 (receiver) and 122 (secure server), fig. 8 (remote monitor accessing data), fig. 31 (invitation), par. 0101 L. 1-14, par. 0106 L. 18-25]. Furthermore, Robertson teaches that the method comprises the step of providing, from the remote monitor to the secure server, an acceptance to the invitation [par. 0106 L. 24-31].

Robertson does not teach the step of modifying, by the remote monitor, a rule defining an alert.

On the other hand, Killen teaches accessing data about a physiological state of a host in a secure server by a remote monitor [fig. 1 element 8]. Killen further teaches that physiological data that is monitored can be glucose (analyte state of a host) [par. 0184 L. 7-10]. Killen further teaches modifying, by the remote monitor, a rule defining an alert representative of an event associated with the analyte state of the host, wherein the alert, when triggered, causes an alert message to be sent to the remote monitor from a server to notify the remote monitor of the event [fig. A72, par. 0143 L. 4-10, par. 0154].

It would have been obvious to one of ordinary skill in the art at the time of the invention to use Killen's teachings in the method taught by Robertson because it will

permit the remote monitoring device to monitor other physiological data such as blood glucose and receive notifications when an abnormal condition is detected by the server.

The combination of Robertson and Killen does not teach that the analyte data is monitored by the receiver.

On the other hand, Valdes teaches that the analyte data can be also monitored by the receiver which will then transmit the data to the server [fig. 1, par. 0089].

It would have been obvious to one of ordinary skill in the art at the time of the invention to use Valdes's teachings in the method taught by the combination because it will permit the system monitor the analyte state of a host continuously.

The combination of Robertson, Killen and Valdes teaches that a user can use the remote monitor to modify alert rules [see Killen fig. A72, par. 0143 L. 4-10, par. 0154]. However, the combination does not teach that the alert rules includes a time value of when a reminder message is sent to the remote monitor.

On the other hand, Carnes teaches that the user can modify a rule varying a time between when the alert message was sent to the remote monitor and a reminder message is sent to the remote monitor [col. 9 L. 9-13]. Carnes further teaches that the reminder message is only sent if the alert message has not been previously acknowledged [col. 9 L. 9-13].

It would have been obvious to one of ordinary skill in the art at the time of the invention to use Carnes's teachings in the method taught by the combination because it will permit the user of the remote monitor to configure the time a reminder message is sent and to prevent that alerts are left unattended.

The combination of Robertson, Killen, Valdes and Carnes does not teach that the reminder message is sent only if the event associated with monitored condition has not changed after the alert message was sent.

On the other hand, Ridolfo teaches that a reminder message is sent to a user after a period of time has passed since an alert message was sent and an acknowledgement has not been received, and if the monitored condition is back to normal, a notification indicating that the condition went back to normal is sent instead [col. 7 L. 60-67]. This means that the reminder message indicating that the alert message has not being acknowledged is only sent if the event associated with the monitored condition has not changed after the alert message was sent because if the event is returned back to normal, the system sends another notification indicating the change instead.

It would have been obvious to one of ordinary skill in the art at the time of the invention to use Ridolfo's teachings in the method taught by the combination because it will permit the user to know that the alert condition has returned back to normal.

In regards to claims 2 and 3, the combination of Robertson, Killen, Valdes, Carnes and Ridolfo as applied in claim 1 above further teaches that modifying the rule defining the alert comprises varying a first and a second threshold values associated with the monitored physiological parameter [see Killen fig. A72, par. 0143 L. 4-10, par. 0154]. Furthermore, the combination teaches that when glucose is being monitored the

threshold values can be associated with low level of glucose of the host and a high level glucose of the host [see Valdes par. 0048].

It would have been obvious to one of ordinary skill in the art at the time of the invention to use Valdes's teachings in the method taught by the combination because associating rules with high and low glucose values will permit the use to be aware when the host is hypoglycemic or hyperglycemic.

In regards to claim 8, the claim is rejected the same way as claim 1 above wherein the remote monitor further comprises at least one processor; and at least one memory including code, which when executed by the at least one processor causes the apparatus to perform the method [see Robertson par. 0008 L. 6-7, par. 0102 L. 1-3, par. 0106 L. 24-25, par. 0147, par. 0155 L. 1-5, see Killen fig. 2].

In regards to claims 9 and 10, the claims are rejected the same way as claims 2 and 3 above.

In regards to claims 15 and 16, the combination of Robertson, Killen, Valdes, Carnes and Ridolfo as applied in claims 1 and 8 above further teaches that the user of the remote monitor can accept the invitation and also modify the rule varying the time value [see Robertson par. 0106 L. 24-25, see Carnes col. 9 L. 6-13]. The combination does not teach that the user accepts the invitation after modifying the rule varying the time value. However, one of ordinary skill in the art would have modified the method

taught by the combination so the user can modify the claimed rule before accepting the invitation because this will permit the user to set up the rules and send them together with the acceptance of the invitation in a single message.

4. Claim(s) 4 and 11 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Robertson et al. (US-2013/0117696) in view of Killen et al (US-2012/0136221), Valdes et al. (US-2012/0108934), Carnes (US-8,912,897) and Ridolfo (US-6,492,901) as applied to claims 1 and 8 above, and further in view of Hastings (US-2005/0148890).

In regards to claim 4, the combination of Robertson, Killen, Valdes, Carnes and Ridolfo as applied in claim 1 above teaches that a notification can be sent to the receiver and the alert message to the remote monitor [see Robertson fig. 4 (alert message) fig. 106 (notification), par. 0096 L. 1-6, par. 0223 L. 1-4]. However, the combination does not teach that modifying the rule comprises varying a delay between when the message is sent to the receiver and a notification message is sent to the remote monitor.

On the other hand, Hastings teaches a method to receive alerts at a remote monitor where the user of the remote monitor can select the time when the alert is received at the remote monitor [par. 0178 L. 1-4, par. 0179 L. 12-14]. This means that the method comprises the step of varying a delay between when a notification message

is sent to the receiver and an alert message is sent to the remote monitor because the user of the remote monitor can decide when to receive the alert message.

It would have been obvious to one of ordinary skill in the art at the time of the invention to use Hastings' teachings in the method taught by the combination because it will permit the user of the remote monitor device to decide when to receive the notification.

In regards to claim 11, the claims are rejected the same way as claim 4 above.

5. Claim(s) 6 and 13 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Robertson et al. (US-2013/0117696) in view of Killen et al (US-2012/0136221), Valdes et al. (US-2012/0108934), Carnes (US-8,912,897) and Ridolfo (US-6,492,901) as applied to claims 1 and 8 above, and further in view of Fish (US-2004/0243941) and Thomas et al. (US-2013/0173742).

In regards to claim 6, the combination of Robertson, Killen, Valdes, Carnes and Ridolfo as applied in claim 1 above does not teach that the invitation is associated with a set of recommended settings that can be modified by the remote monitor.

On the other hand, Fish teaches the concept that a host can authorize a user to modify notification rule settings [par. 0082 L. 1-12]. This means that a host can configure notification rule settings (set of recommended rule settings) and later authorize a remote monitor to modify and/or accept those rules.

It would have been obvious to one of ordinary skill in the art at the time of the invention to use Fish's teachings in the method taught by the combination because it will permit the host to decide whether or not the remote monitor is authorized to modify the notification rule settings.

The combination of Robertson, Killen, Valdes and Fish does not teach that the set of recommended settings are included with the invitation.

On the other hand, Thomas teaches the concept that when a host in a system invites another user, the invitation will include settings established by the host and that the invitee can accept or modify [par. 0088 L. 1-5, par. 0091 L. 1-5, par. 0092 L. 15-21].

It would have been obvious to one of ordinary skill in the art at the time of the invention to use Thomas' teachings in the method taught by the combination because it will permit the system to send the rule settings and the invitation in a single message and reduce traffic in the system.

In regards to claim 13, the claim is rejected the same way as claim 6 above.

6. Claim(s) 7 and 14 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Robertson et al. (US-2013/0117696) in view of Killen et al (US-2012/0136221), Valdes et al. (US-2012/0108934), Carnes (US-8,912,897) and Ridolfo (US-6,492,901) as applied to claims 1 and 8 above, and further in view of Daoud et al. (US-2013/0159456)

In regards to claim 7, the combination of Robertson, Killen, Valdes, Carnes and Ridolfo as applied in claim 1 above teaches that the user of the remote device can accept the invitation [see Robertson par. 0106 L. 24-25]. However, the combination does not explicitly state that an account is created when accepting the invitation.

On the other hand, Daoud teaches that accepting the invitation programically establishes an account associated with the remote monitor at the server [fig. 24 element 2404, par. 0038 L. 8-15, par. 0081 L. 29-36].

It would have been obvious to one of ordinary skill in the art at the time of the invention to use Daoud' teachings in the method taught by the combination because it will permit the user of the remote device to create an account when an invitation is received for the first time so and access the data at the server securely whenever the user desires.

In regards to claim 14, the claim is rejected the same way as claim 7 above.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). 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 date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to FRANKLIN BALSECA whose telephone number is (571)270-5966. The examiner can normally be reached on Monday through Thursday, from 6:30am to 4:00pm.

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, Hai Phan can be reached on (571) 272-6338.

Information regarding the status of an application may be obtained from the Patent Application Retrieval (PAIR) system. Status information for published applications may be obtained from either 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. If you have questions on how to access to 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 US OR CANADA) or (571) 272-1000.

/FRANKLIN BALSECA/

Examiner, Art Unit 2685

/Hai Phan/

Supervisory Patent Examiner, Art Unit 2685

Notice of References Cited	Application/Control No. 15/617,977	Applicant(s)/Patent Under Reexamination MENSINGER ET AL.	
	Examiner FRANKLIN BALSECA	Art Unit 2685	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-8,912,897 B2	12-2014	Carnes; Tony C.	A61B5/0022	340/500
*	B	US-6,492,901 B1	12-2002	Ridolfo; Charles F.	G21C17/00	340/506
	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
	15617977	MENSINGER ET AL.
	Examiner	**Art Unit**
	FRANKLIN BALSECA	2685

✓	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	12/04/2017	06/22/2018							
	1	✓	✓							
	2	✓	✓							
	3	✓	✓							
	4	✓	✓							
	5	✓	-							
	6	✓	✓							
	7	✓	✓							
	8	✓	✓							
	9	✓	✓							
	10	✓	✓							
	11	✓	✓							
	12	✓	-							
	13	✓	✓							
	14	✓	✓							
	15		✓							
	16		✓							

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L13	16	(US-20050148890-$ or US-20080208069-$ or US-20020008625-$ or US-20100013639-$ or US-20120209088-$ or US-20080119710-$).did. or (US-9019106-$ or US-8364221-$ or US-6492901-$ or US-4688183-$ or US-7221282-$ or US-7528711-$ or US-7729202-$ or US-6847892-$ or US-8803683-$ or US-8912897-$).did.	US-PGPUB; USPAT	OR	ON	2018/06/22 08:35
L14	0	L13 and ((return$4 near5 normal) same (stop$4 near5 (transmit$4 or send$4 or sent) near5 (reminder)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/06/22 08:36
L15	0	((return$4 near5 normal) same (stop$4 near5 (transmit$4 or send$4 or sent) near5 (reminder)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/06/22 08:37
L16	9	((return$4 near5 normal) same ((transmit$4 or send$4 or sent) near5 (reminder)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/06/22 08:37
S1	75	(US-20140088392-$ or US-20120245447-$ or US-20120108934-$ or US-20110320130-$ or US-20110213225-$ or US-20140121488-$ or US-20130117696-$ or US-20120136221-$ or US-20130116526-$ or US-20130159456-$ or US-20050148890-$ or US-20040243941-$ or US-20130173742-$ or US-20050165627-$ or US-20150019231-$ or US-20140206976-$ or US-20130116578-$ or US-20130095459-$ or US-20130013327-$ or US-20080077435-$ or US-20120289787-$ or US-20120277543-$ or US-20080157980-$ or US-20110161111-$ or US-20090088607-$ or US-20060293570-$).did. or (US-20060089542-$ or US-20090062696-$ or US-20110295127-$ or US-20110270347-$ or US-20160079787-$ or US-20090309756-$).did. or (US-9585563-$ or US-9730621-$ or US-8005546-$ or US-8653965-$ or US-8517941-$ or US-5648917-$).did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/06/20 06:48
S2	699	(US-20140187889-$ or US-20110201944-$ or US-20140310243-$ or US-20130078912-$ or US-20060015586-$ or US-20060193262-$ or US-20090322518-$ or US-20100177708-$ or US-20110080281-$ or US-20100013625-$ or US-20110316716-$ or US-20080212690-$ or US-20110131645-$ or US-20060077940-$ or US-20090088605-$ or US-20050207379-$ or US-20140050122-$ or US-20120177031-$ or US-20130211265-$ or US-20080319787-$ or US-20130297771-$ or US-20130159539-$ or US-20120151291-$ or US-20110149025-$ or US-20090182580-$).did. or (US-7873343-$ or US-8839396-$ or US-7532568-$ or US-8359288-$ or US-6259944-$).did. or (US-20110213225-$ or US-20110161111-$ or US-20100249625-$ or US-20110320130-$ or US-20020169584-$ or US-20140187889-$ or US-20130297771-$ or US-20130078912-$ or US-20090322518-$ or US-20090182580-$ or US-20030105725-$ or US-20080098038-$ or US-20110289577-$ or US-20020131370-$ or US-20030142696-$ or US-20040059978-$ or US-20090034479-$ or US-20110268018-$).did. or (US-6259944-$ or US-8458312-$ or US-8761101-$ or US-7869794-$ or US-9100244-$ or US-9220118-$).did. or (US-20070294360-$ or US-20100265863-$ or US-20100272076-$ or US-20130276144-$ or US-20140187889-$ or US-20050272019-$ or US-20030115258-$ or US-20080147845-$ or US-20090016509-$ or US-20100205323-$ or US-20130285835-$ or US-20110152629-$).did. or (US-9035568-$ or US-6416471-$ or US-6751573-$ or US-6510236-$ or US-8949949-$).did. or (US-20140188398-$ or US-20120245447-$ or US-20110320130-$ or US-20090069642-$ or US-20050148890-$ or US-20120149996-$ or US-20010027384-$ or US-20030023178-$ or US-20080294024-$ or US-20120108984-$ or US-20080269625-$ or US-20120046606-$ or US-20120112903-$ or US-20130109944-$ or US-20130337976-$ or US-20140019139-$ or US-20140118104-$ or US-20080312842-$ or US-20070173710-$ or US-20090131776-$ or US-20090054735-$ or US-20090203973-$ or US-20100131294-$).did. or (US-6366871-$ or US-8876850-$ or US-5748103-$ or US-4981139-$ or US-5786584-$ or US-6443890-$ or US-9053583-$).did. or (US-20030154085-$ or US-20140188398-$ or US-20030033151-$ or US-20030036683-$ or US-20050143671-$ or US-20090046096-$ or US-20130191513-$ or US-20140058742-$ or US-20110191044-$ or US-20120095779-$ or US-20100082363-$ or US-20130145272-$ or US-20130198685-$ or US-20090131861-$ or US-20110124996-$).did. or (US-7685026-$ or US-5335313-$).did. or (US-20120136221-$ or US-20140188398-$ or US-20120245447-$ or US-20120149996-$ or US-20110124996-$ or US-20110068935-$ or US-20140207486-$ or US-20140187887-$ or US-20140088392-$ or	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/06/20 06:52

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US-20130013331-$ or US-20110166628-$ or US-20090292178-$ or US-20080126132-$ or US-20110077967-$ or US-20100321204-$ or US-20010037222-$ or US-20080107121-$ or US-20080294462-$ or US-20090054743-$ or US-20050165627-$ or US-20060196928-$).did. or (US-9185202-$ or US-8868616-$ or US-6398727-$ or US-7448996-$ or US-8005546-$ or US-6522925-$).did. or (US-20140187890-$ or US-20110320130-$ or US-20100249625-$ or US-20050148890-$ or US-20020169584-$ or US-20140207486-$ or US-20040122488-$ or US-20080004904-$ or US-20070294360-$ or US-20090069642-$ or US-20060193278-$ or US-20090058635-$ or US-20130030494-$ or US-20130345664-$).did. or (US-8392561-$ or US-7103578-$).did. or (US-20140187890-$ or US-20010037056-$ or US-20080097550-$ or US-20050071190-$ or US-20080208026-$ or US-20130338543-$ or US-20130265327-$ or US-20090221884-$ or US-20090164251-$ or US-20090164239-$ or US-20070159321-$ or US-20110319725-$ or US-20100265073-$ or US-20050148890-$ or US-20110117878-$ or US-20120265867-$ or US-20120149353-$ or US-20150205930-$ or US-20140350349-$ or US-20140207486-$ or US-20130159456-$ or US-20130117696-$ or US-20100249625-$ or US-20120163520-$ or US-20070173710-$).did. or (US-8229535-$ or US-7448996-$).did. or (US-20140188398-$ or US-20140187890-$ or US-20130015966-$ or US-20060161662-$ or US-20060101139-$ or US-20040081310-$ or US-20140029434-$ or US-20130159456-$ or US-20090058635-$ or US-20080097550-$ or US-20080004904-$ or US-20080015549-$ or US-20030011646-$ or US-20100114232-$ or US-20080250482-$ or US-20130117696-$ or US-20110059727-$).did. or (US-8355320-$).did. or (US-20140187890-$ or US-20080015549-$ or US-20060202816-$ or US-20100016745-$ or US-20120182939-$ or US-20060154642-$ or US-20090156364-$ or US-20100235782-$ or US-20110215933-$ or US-20030229900-$ or US-20140325892-$ or US-20110286586-$ or US-20120317237-$ or US-20020061092-$).did. or (US-9147117-$).did. or (US-20130268283-$ or US-20130172691-$ or US-20130027205-$ or US-20120026119-$ or US-20060272652-$ or US-20060253300-$ or US-20030117296-$ or US-20020022973-$ or US-20050085875-$ or US-20050240434-$ or US-20070185390-$ or US-20130159456-$ or US-20120245447-$ or US-20120136221-$ or US-20100131294-$ or US-20090203973-$ or US-20030167336-$ or US-20050261062-$ or US-20070081649-$ or US-20030105849-$ or US-20050044565-$ or US-20080263100-$ or US-20100031324-$ or US-20030154044-$ or US-20110295887-$ or US-20120112906-$).did. or (US-20160073880-$ or US-20030208465-$ or US-20040006492-$ or US-20050038332-$ or US-20060200009-$ or US-20070208245-$ or US-20090005703-$ or US-20100100037-$ or US-20070239488-$).did. or (US-6334124-$ or US-7761334-$ or US-9514323-$ or US-5860918-$ or US-7026929-$).did. or (US-20140188398-$ or US-20140187890-$ or US-20110320130-$ or US-20070255116-$ or US-20140176342-$ or US-20140139342-$ or US-20090083364-$ or US-20090055369-$ or US-20050097200-$ or US-20130151708-$ or US-20130067544-$ or US-20120163520-$ or US-20100249625-$ or US-20120245447-$).did. or (US-8229535-$ or US-8390474-$ or US-7038588-$ or US-8138930-$ or US-8862393-$ or US-8126479-$ or US-8107947-$ or US-8467779-$).did. or (US-20140188398-$ or US-20140187890-$ or US-20120245447-$ or US-20040002635-$ or US-20090310503-$ or US-20140133374-$ or US-20130052977-$ or US-20090069642-$ or US-20130215850-$ or US-20100322188-$ or US-20040170182-$ or US-20080007431-$ or US-20050148890-$ or US-20140350349-$ or US-20130191140-$ or US-20130159456-$).did. or (US-7769149-$ or US-5802314-$ or US-5608643-$ or US-3781573-$ or US-5369591-$ or US-6049698-$).did. or (US-20140188398-$ or US-20140187890-$ or US-20100249625-$ or US-20050148890-$ or US-20020024443-$ or US-20060026164-$ or US-20090262661-$ or US-20100330952-$ or US-20150195286-$ or US-20130078149-$ or US-20130078733-$ or US-20130226624-$ or US-20120245447-$).did. or (US-5416725-$ or US-7942844-$ or US-8350694-$ or US-6264614-$).did. or (US-20130159456-$ or US-20140350349-$ or US-20140207486-$ or US-20130191140-$ or US-20130117696-$ or US-20090083364-$ or US-20140176342-$ or US-20110040572-$ or US-20120218111-$ or US-20130044111-$ or US-20070246642-$ or US-20110320130-$ or US-20120109238-$ or US-20070140150-$ or US-20090192366-$ or US-20080275618-$ or US-20140282829-$ or US-20140036643-$ or US-20050148890-$ or US-20140022081-$ or US-20090058635-$ or US-20090113335-$ or US-20100315236-$ or US-20060010199-$).did. or (US-8390474-$ or US-7448996-$).did. or (US-20090265753-$ or US-20130017807-$ or US-20150205930-$ or US-20090083742-$ or US-20130173742-$ or US-20110320130-$ or US-20120136221-$ or US-20050165627-$ or US-20140088392-$).did. or (US-6608636-$).did. or (US-20140188398-$ or US-20140187890-$ or US-20110320130-$ or US-20100249625-$ or US-20090069642-$ or US-20050148890-$ or US-20130015966-$ or US-20060161662-$ or US-20060101139-$ or US-20040081310-$ or US-20020169584-$ or US-20060020494-$ or US-20060106646-$ or US-20100191073-$).did. or (US-7257386-$ or US-8355320-$).did. or (US-20130102853-$ or US-20120054841-$ or US-20150317437-$ or US-20130282400-$ or US-20110246235-$ or US-20080004904-$ or US-20130110264-$ or US-20130088452-$ or US-20100274515-$ or US-20110320166-$ or US-20070088223-$).did. or (US-7798961-$).did. or (US-20140184422-$ or US-20130080513-$ or US-20050206518-$ or US-20050148890-$ or US-20110032097-$ or US-20120096123-$ or US-20080250482-$ or US-20060202816-$ or US-20120075103-$ or US-20140006045-$ or US-20140019901-$ or US-20080161700-$ or US-20090146822-$ or US-20120053424-$ or US-20120136221-$).did. or (US-8355320-$ or US-6057758-$ or US-4280217-$).did. or (US-20140184422-$ or US-20090192366-$ or US-20110004085-$ or US-20110320130-$ or US-20010044588-$ or US-20140162563-$ or US-20130172691-$ or US-20060047538-$ or US-20100268157-$ or US-20100142692-$ or US-20100217615-$ or US-20130159456-$ or US-20120136221-$ or US-20100249625-$ or US-20050148890-$ or US-20080263100-$ or US-20030149526-$ or US-20020169584-$ or US-20060282293-$ or US-20140350349-$ or US-20130117696-$ or US-20080250482-$ or US-20050193191-$ or US-20060184997-$ or US-20060239235-$ or US-20110234406-$).did. or (US-20120197662-$ or US-20120245948-$ or US-20140088392-$ or US-20120218111-$ or US-20110068935-$ or US-20110105854-$ or US-20100121167-$ or US-20090275807-$ or US-20030153836-$ or US-20090183236-$ or US-20120036558-$ or US-20040243941-$).did. or (US-7831287-$ or US-6931327-$ or US-9241631-$ or US-7407484-$ or US-

		8589495-$ or US-7448996-$ or US-7660849-$ or US-7870288-$ or US-8719904-$ or US-5865736-$ or US-7899545-$ or US-8515513-$ or US-7946995-$ or US-7261691-$ or US-4162488-$ or US-8786425-$ or US-8957757-$ or US-7925525-$ or US-6366871-$ or US-8381268-$).did. or (US-20110163881-$ or US-20100235439-$ or US-20060173260-$).did.				
S3	2	"20050148890"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/06/20 06:52
S4	16	S1 and reminder	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/06/20 07:02
S5	15	S2 and ((alarm or alert) near10 (transmit$4 or send$4 or sent) near10 reminder)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/06/20 07:18
S6	2	S2 and ((ack or acknowledg$6) near10 (transmit$4 or send$4 or sent) near10 reminder)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/06/20 07:20
S7	0	(sensor near5 data) and ((server or cloud or (central near2 (computer or station))) same (alert or alarm) same ((ack or acknowledg$6) near10 (transmit$4 or send$4 or sent) near10 reminder))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/06/20 07:22
S8	18	(sensor near5 data) and ((alert or alarm) same ((ack or acknowledg$6) near10 (transmit$4 or send$4 or sent) near10 reminder))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/06/20 07:23
S9	162	(sensor near5 data) and ((alert or alarm) same (ack or acknowledg$6)) and ((transmit$4 or send$4 or sent) near10 reminder)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/06/20 07:26
S10	196	(sensor near5 data) and ((alert or alarm) same (ack or acknowledg$6) same reminder)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/06/20 07:58
S11	67	S10 and @ay<="2012"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/06/20 07:59
S12	65	(sensor near5 data) and (((retransmit$4 or resend$4 or resent or (re near2 (transmit$4 or send$4 or sent))) near5 (alert or alarm)) same (ack or acknowledg$6))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/06/20 08:20
S13	109591	A61B5/0002,0004,0022,145,14532,7264,7282,742,743,746,0015,0024,02,7435,7465.cpc.	US-PGPUB; USPAT;	OR	ON	2018/06/20 09:24

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S14	39976	G06F19/3418,30,32,34,3406,3487.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/06/20 09:24
S15	43052	H04L67/12.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/06/20 09:24
S16	19661	H04Q9/00.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/06/20 09:24
S17	7597	H04Q2209/00,10,40,50,82,823,826.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/06/20 09:25
S18	196079	S13 or S14 or S15 or S16 or S17	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/06/20 09:25
S19	36	S18 and (((retransmit$4 or resend$4 or resent or (re near2 (transmit$4 or send$4 or sent))) near5 (alert or alarm)) same (ack or acknowledg$6))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/06/20 09:26
S20	163	S18 and ((alert or alarm) same (ack or acknowledg$6) same reminder)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/06/20 09:28
S21	80	S20 and @ay<="2012"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/06/20 09:37

EAST Search History (Interference)

<This search history is empty>

6/22/2018 11:04:57 AM
C:\Users\fbalseca\Documents\EAST\Workspaces\15617977 (Amendment).wsp

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15617977	MENSINGER ET AL.
	Examiner	Art Unit
	FRANKLIN BALSECA	2685

CPC- SEARCHED		
Symbol	Date	Examiner
A61B5/0002,0004,0022,145,14532,7264,7282,742,743,746,0015,0024,02,7435,7465	12/04/2017	FB
G06F19/3418,30,32,34,3406,3487	12/04/2017	FB
H04L67/12	12/04/2017	FB
H04Q9/00	12/04/2017	FB
H04Q2209/00,10,40,50,82,823,826	12/04/2017	FB
Updated Search	06/21/2018	FB

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner

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

SEARCH NOTES		
Search Notes	Date	Examiner
Inventor Search	12/04/2017	FB
East Search	12/04/2017	FB

/FRANKLIN BALSECA/ Examiner.Art Unit 2685	/AMINE BENLAGSIR/ Primary Examiner.Art Unit 2685

SEARCH NOTES

Search Notes	Date	Examiner
A61B5/0002,0004,0022,145,14532,7264,7282,742,743,746,0015,0024,02, 7435,7465 and text limited. See search history printout.	12/04/2017	FB
G06F19/3418,30,32,34,3406,3487 and text limited. See search history printout.	12/04/2017	FB
H04L67/12 and text limited. See search history printout.	12/04/2017	FB
H04Q9/00 and text limited. See search history printout.	12/04/2017	FB
H04Q2209/00,10,40,50,82,823,826 and text limited. See search history printout.	12/04/2017	FB
Updated East and text limited class search	06/21/2018	FB

INTERFERENCE SEARCH

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

/FRANKLIN BALSECA/ Examiner.Art Unit 2685	/AMINE BENLAGSIR/ Primary Examiner.Art Unit 2685

Doc code: RCEX
Doc description: Request for Continued Examination (RCE)

PTO/SB/30EFS (07-09)
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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REQUEST FOR CONTINUED EXAMINATION(RCE)TRANSMITTAL
(Submitted Only via EFS-Web)

Application Number	15617977	Filing Date	2017-06-08	Docket Number (if applicable)	DEXCOM.225C3	Art Unit	2685
First Named Inventor	Michael Robert Mensinger			Examiner Name	Balseca, Franklin D.		

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, 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 111410

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

☒ Patent Practitioner Signature

Applicant Signature

PTO/SB/30EFS (07-09)
Approved for use through 07/31/2012. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Signature of Registered U.S. Patent Practitioner			
Signature	/Rose M. Thiessen/	Date (YYYY-MM-DD)	2018-11-02
Name	Rose M. Thiessen	Registration Number	40202

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.

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.

Electronic Patent Application Fee Transmittal

Application Number:	15617977
Filing Date:	08-Jun-2017
Title of Invention:	REMOTE MONITORING OF ANALYTE MEASUREMENTS
First Named Inventor/Applicant Name:	Michael Robert Mensinger
Filer:	Rose M. Thiessen/Edgar Compton
Attorney Docket Number:	DEXCOM.225C3

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 $0 paid	1252	1	600	600
Miscellaneous:				
RCE- 1ST REQUEST	1801	1	1300	1300
		Total in USD ($)		**1900**

Electronic Acknowledgement Receipt

EFS ID:	34202880
Application Number:	15617977
International Application Number:	
Confirmation Number:	8138
Title of Invention:	REMOTE MONITORING OF ANALYTE MEASUREMENTS
First Named Inventor/Applicant Name:	Michael Robert Mensinger
Customer Number:	68851
Filer:	Rose M. Thiessen/Christina Graul
Filer Authorized By:	Rose M. Thiessen
Attorney Docket Number:	DEXCOM.225C3
Receipt Date:	02-NOV-2018
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Authorized User	Christina Graul

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

37 CFR 1.16 (National application filing, search, and examination fees)

37 CFR 1.17 (Patent application and reexamination processing fees)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		225C3_AMEND.pdf	99128 51e82d4eaa0a1597d13a329a2f7ae1704212ee51	yes	16
	Multipart Description/PDF files in .zip description				
	Document Description		**Start**	**End**	
	Applicant Arguments/Remarks Made in an Amendment		5	16	
	Claims		2	4	
	Amendment Submitted/Entered with Filing of CPA/RCE		1	1	
Warnings:					
Information:					
2	Request for Continued Examination (RCE)	225C3_RCE.pdf	697624 deddb21b797b23c1d5fc032176cb5a1298eeb0c0	no	3
Warnings:					
Information:					
3	Fee Worksheet (SB06)	fee-info.pdf	32554 89f026d113b6c1befca1531d978d4025e1a5eaf3	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	829306		

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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.

REMARKS

Claims 1-4, 6-11, and 13-16 are pending and stand rejected. In order to accelerate prosecution and without waiving any arguments, Applicant is amending claims 1, 8, 15, and 16. No new matter was added by way of the amendments. By these proposed claim amendments and the following remarks, Applicant does not acquiesce to the propriety of any of the Examiner's objections or rejections and does not disclaim any subject matter to which Applicant is entitled. *Cf. Warner-Jenkinson Co. v. Hilton Davis Chem. Co.*, 41 U.S.P.Q. 2d 1865 (U.S. 1997).

Claim Rejections – 35 USC § 112

I. The Examiner rejected claims 1-4, 6-11, and 13-16 under 35 USC 112(b) or 35 USC 112 (pre-AIA).

In particular, regarding claim 1, the Examiner stated that the word "between" in claim 2 is unclear. Applicant is amending claim 1 as follows "modifying, by the remote monitor, a rule varying a time value as to ~~between~~ when a reminder message is sent to the remote monitor after the alert message is sent to the remote monitor…" Applicant believes that the claim as amended meets the requirements of 35 USC 112.

For at least these reasons, Applicant respectfully requests that the rejection to the claim be withdrawn.

Regarding claims 8, 15, and 16, Applicant is amending the claims in a manner similar to that of claim 1. For at least the reasons discussed regarding claim 1, Applicant respectfully requests that the rejections to the claims be withdrawn.

Regarding claims 2-4, 6, 7, 9-11, 13, and 14, the Examiner rejected the claims because they are dependent on claims 1 and 8. For at least the reasons discussed regarding claims 1 and 8, Applicant respectfully requests that the rejections to the claims be withdrawn.

Claim Rejections – 35 USC §103

I. The Examiner rejected claims 1-3, 8-10, 15, and 16 under pre-AIA 35 U.S.C. § 103(a) as being unpatentable over:

Abbott Ex. 1002 - 315/848

U.S. Pat. Pub. No. 2013/0117696 to Robertson et al. (hereinafter referred to as *Robertson*), in view of

U.S. Pat. Pub. No. 2012/0136221 to Killen et al. (hereinafter referred to as *Killen*),
U.S. Pat. Pub. No. 2012/0108934 to Valdes et al. (hereinafter referred to as *Valdes*),
U.S. Pat. No. 8,912,897 to Carnes (hereinafter referred to as *Carnes*), and
U.S. Pat. No. 6,492,901 to Ridolfo (hereinafter referred to as *Ridolfo*).

To maintain a proper rejection under 35 U.S.C. §103, the Examiner must meet four conditions to establish a *prima facie* case of obviousness. First, the Examiner must show that the prior art suggested to those of ordinary skill in the art that they should make the claimed composition or device or carry out the claimed process. Second, the Examiner must show that the prior art would have provided one of ordinary skill in the art with a reasonable expectation of success. Both the suggestion and the reasonable expectation of success must be adequately founded in the prior art and not in an Applicant's disclosure. Third, the prior art must teach or suggest all the claim limitations. *In re Vaeck,* 20 U.S.P.Q.2d 1438, 1442 (Fed. Cir. 1991). Fourth, if an obviousness rejection is based on some combination of prior art references, the Examiner must show a suggestion, teaching, or motivation to combine the prior art references ("the TSM test"). *In re Dembiczak,* 50 U.S.P.Q.2d 1614, 1617 (Fed. Cir. 1999). Following *KSR Int'l Co. v. Teleflex, Inc.*, this fourth prong of the *prima facie* obviousness analysis must not be applied in a rigid or formulaic way such that it becomes inconsistent with the more flexible approach of *Graham v. John Deere*, 383 U.S. 1, 17-18 (1966). 127 S. Ct. 1727 (2007). It must still be applied, however, as the TSM test captures the important insight that "a patent composed of several elements is not proved obvious merely by demonstrating that each of its elements was, independently, known in the prior art." *Id.* (citing *United States v. Adams*, 383 U.S. 39, 50-52 (1966)).

Regarding claim 1, Applicant previously amended claim 1 as follows:

> 1. A method comprising:
> receiving, at a remote monitor, an invitation to access a secure server and data associated with a receiver monitoring an analyte state of a host;
> providing, from the remote monitor to the secure server, an acceptance to the invitation;
> modifying, by the remote monitor, a rule defining an alert representative of an event associated with the analyte state of the host, wherein the alert, when triggered, causes an alert message to

Abbott Ex. 1002 - 316/848

> be sent to the remote monitor from a server to notify the remote monitor of the event; and
>
> modifying, by the remote monitor, a rule varying a time value as to when a reminder message is sent to the remote monitor after the alert message is sent to the remote monitor, the reminder message only being sent if the alert message has not been previously acknowledged by the remote monitor and only if the event associated with the analyte state of the host has not changed after the alert message was sent.

As discussed herein, the claim recites a step of modifying, by the remote monitor, a rule varying an amount of time to send a reminder to a remote monitor after an alert message is sent to the remote monitor. The claim further recites that the reminder message is only sent "if the alert message has not been previously acknowledged by the remote monitor and only if the event associated with the analyte state of the host has not changed after the alert message was sent."

The Examiner cites no less than five different references (including *Robertson*, *Killen*, *Valdes, Carnes,* and *Ridolfo*) for combination in a rejection for obviousness under 35 USC § 103. Applicant respectfully submits that even this long list of references does not appear to teach or suggest every element of the claim as amended, either individually or in combination.

The Examiner admits that *Robertson*, *Killen*, *Valdes,* and *Carnes* do not teach or suggest "that the reminder message is sent only if the event associated with monitored condition has not changed after the alert message was sent." *Id.*, at 6. The Examiner cites the fifth reference, *Ridolfo*, as disclosing this element. In particular, the Examiner states the following:

> Ridolfo teaches that a reminder message is sent to a user after a period of time has passed since an alert message was sent and an acknowledgement has not been received, and if the monitored condition is back to normal, a notification indicating that the condition went back to normal is sent instead [col. 7 L. 60-67]. This means that the reminder message indicating that the alert message has not being acknowledged is only sent if the event associated with the monitored condition has not changed after the alert message was sent because if the event is returned back to normal, the system sends another notification indicating the change instead.

Applicant respectfully disagrees with the Examiner's reading of *Ridolfo*. The Examiner appears to be applying hindsight reasoning by reading Applicant's claim elements in the prior art.

Abbott Ex. 1002 - 317/848

The referenced portion of *Ridolfo* states that if an alarm condition occurs then reminders are provided until the alarm condition is acknowledged. Similarly, the referenced portion of *Ridolfo* also states that if a return-to-normal condition occurs then reminders are provided until acknowledged. *Ridolfo* merely repeats separate reminders until conditions are acknowledged. *Ridolfo* does not disclose any instance where an unacknowledged condition will NOT get a reminder. In other words, *Ridolfo* does not teach or suggest that a reminder will not be sent if an unacknowledged alarm condition is no longer relevant.

This is explicitly stated in *Ridolfo*. For example, Column 7, lines 60-67 of *Ridolfo* states:

> As noted above, upon receipt of a new alarm condition or a return-to-normal condition, as appropriately annunciated by the new alarm tone and voice message, the operator uses the operator input device 28 to acknowledge the alarm or the return-to-normal condition. If **either condition** is not acknowledged within a predetermined period of time, the directive annunciator subsystem 30 provides a reminder notification to the operator.

Emphases added.

Further, Column 8, lines 1-7 of *Ridolfo* states:

> To generate the reminder notification, the alarm processing module 18 periodically scans the information in the current alarm file 42 to determine if any alarm conditions have not been acknowledged or return-to-normal conditions have not been cleared. If either of these conditions exists, the alarm processing module 18 directs an appropriate alarm status signal to the annunciator logic module 32.

In fact, *Ridolfo* continues to state that even if a return-to-normal condition occurs after a previously unacknowledged alarm condition, then reminders are sent for BOTH conditions. Column 8, lines 31-37 of *Ridolfo* states:

> If new alarms occur before a previous alarm is acknowledged, the new alarm will be initially annunciated with the appropriate tone and voice message. The reminder tone will be periodically output thereafter until all unacknowledged alarms have been acknowledged. The similar function occurs if new return-to-normal conditions occur before previous ones are cleared.

Ridolfo clearly teaches away from sending a reminder message after the modified rule varying the time value, "the reminder message only being sent if the alert message has not been previously acknowledged by the remote monitor and only if the event associated with the analyte state of the host has not changed after the alert message was sent" as required by the claim.

Further, although the Examiner admits that *Robertson*, *Killen*, and *Valdes* do not disclose "that the alert rules includes a time value of when a reminder message is sent to the remote monitor," the Examiner states that:

> Carnes teaches that the user can modify a rule varying a time between when the alert message was sent to the remote monitor and a reminder message is sent to the remote monitor [col. 9 L. 9-13]. Carnes further teaches that the reminder message is only sent if the alert message has not been previously acknowledged [col. 9 L. 9-13].

Applicant respectfully submits that the claimed element is not any user "can modify a rule varying a time between the alert message was sent to the remote monitor and a reminder message is sent to the remote monitor," but rather the claim recites "modifying, by the remote monitor, a rule defining an alert representative of an event associated with the analyte state of the host [that is different than the remote monitor], wherein the alert, when triggered, causes an alert message to be sent to the remote monitor from a server to notify the remote monitor of the event." (Emphases added).

Carnes discloses that the user controls a specific period of time to wait for an acknowledgement message from their clinician before resending to their clinician. The user controlling the specific time period does not configure a time to receive their own reminders. For example, in column 9, lines 2-13, *Carnes* discloses:

> In certain embodiments, clinician control 316 may be configured to refrain from sending additional triggered notifications to a clinician until the clinician responds to a request for acknowledgement of previously transmitted triggered notifications. In other embodiments, a user may implement clinician control 316 to include a specific period of time to wait for an acknowledgement message before resending a triggered notification. In other embodiments, a user may implement clinician control 316 to receive an acknowledgement message with an optional reminder timer

Abbott Ex. 1002 - 319/848

component to resend the triggered notification after the specified interval.

For this reason, Applicant respectfully submits that *Carnes* does not appear to teach or suggest "modifying, by the remote monitor, a rule defining an alert representative of an event associated with the analyte state of the host, wherein the alert, when triggered, causes an alert message to be sent to the remote monitor from a server to notify the remote monitor of the event."

For at least these reasons, Applicant respectfully requests that the rejection to claim 1, as well as the rejections to the claims that depend upon claim 1, be withdrawn.

Regarding claims 2 and 3, the claims depend upon claim 1 as amended. For at least the reasons discussed regarding claim 1, Applicant respectfully requests that the rejections to the claims be withdrawn.

Regarding claim 8, the claim as amended contains subject matter that is similar to that of claim 1. For at least the reasons discussed with regard to claim 1, Applicant respectfully requests that the rejection to claim 8, as well as the rejections to the claims that depend upon claim 8, be withdrawn.

Regarding claims 9 and 10, the claims depend upon claim 8 as amended. For at least the reasons discussed regarding claims 1 and 8, Applicant respectfully requests that the rejections to the claims be withdrawn.

Regarding claims 15 and 16, the claims depend upon claim 1 as amended. For at least the reasons discussed regarding claim 1, Applicant respectfully requests that the rejections to the claims be withdrawn.

II. The Examiner rejected claims 4 and11 under pre-AIA 35 U.S.C. § 103(a) as being unpatentable over *Robertson*, *Killen, Valdes*, *Carnes*, and *Ridolfo* as applied to claims 1 and 8 and further in view of U.S. Pat. Pub. No. 2005/0148890 to Hastings (hereinafter referred to as *Hastings*).

Regarding claims 4 and 11, claim 4 recites "further comprising modifying a rule varying a delay between when a notification message is sent to the receiver and the alert message is sent to

Abbott Ex. 1002 - 320/848

the remote monitor." Claim 11 contains similar subject matter. The Examiner admitted that the five previous references do "not teach that modifying the rule comprises varying a delay between when the message is sent to the receiver and a notification message is sent to the remote monitor." The Examiner states however, that the sixth reference *Hastings*, that when combined with the five previous references render the claim obvious under 35 USC § 103.

Hastings discloses a rule varying the amount of data (i.e., data over time whereby a predetermined amount of time is identified thereby defining what data is sent and how much) that may be sent to care professional. Paragraph 179 of *Hastings* is as follows:

> Data may be transferred in parts. For instance, an initial notification message may include the patient's name and a window of data relating to the patient. The window of data may be a 3 to 20 second clip (or, more typically, a 6 to 12 second clip) of data relating to the patient which clip of data represents the state of the patient at about the time of the alarm. The length of the window may be predetermined, may be user selectable, or may vary according to the data relating to the patient. The 3 to 20 second clip may include data acquired shortly before the alarm, data from at the time of the alarm, and/or data acquired shortly after the alarm. The timing of when the data is received may also be predetermined, may be user selectable, or may vary according to the data relating to the patient.

In other words, *Hastings* discloses a window of data measured by time and that the timing of the data in the window "may also be predetermined, may be user selectable, or may vary according to the data relating to the patient."

Hastings does not appear to teach or suggest "varying a delay between when the message is sent to the receiver and a notification message is sent to the remote monitor" as required by the claim.

For at least these reasons, as well as the reasons discussed regarding independent claims 1 and 8, from which they rely, respectively, Applicant respectfully requests that the rejections to claims 4 and 11 be withdrawn.

III. The Examiner rejected claims 6 and 13 under pre-AIA 35 U.S.C. § 103(a) as being unpatentable over *Robertson*, *Killen, Valdes, Carnes,* and *Ridolfo* as applied to claims 1 and 8 and

Abbott Ex. 1002 - 321/848

further in view of U.S. Patent Publication No. 2004/0243941 to Fish (hereinafter referred to as *Fish*) and U.S. Patent Publication No. 2013/0173742 to Thomas (hereinafter referred to as *Thomas*).

Regarding claims 6 and 13, the claims rely on independent claims 1 and 8, respectively. Claim 6 recites "wherein the invitation is associated with a set of recommended rule settings configured by a host monitoring system, wherein the recommended settings are provided to the remote monitor for acceptance or modification." Claim 13 contains similar subject matter. The Examiner admitted that the five previous references do "that the invitation is associated with a set of recommended settings that can be modified by the remote monitor." The Examiner states however, that the additional sixth and seventh references, *Fish* and *Thomas*, when combined with the five previous references render the claim obvious under 35 USC § 103.

As discussed regarding claim 1, *Robertson*, *Killen, Valdes, Carnes,* and *Ridolfo* do not teach or suggest: "modifying, by the remote monitor, a rule defining an alert representative of an event associated with the analyte state of the host, wherein the alert, when triggered, causes an alert message to be sent to the remote monitor from a server to notify the remote monitor of the event" and "modifying, by the remote monitor, a rule varying a time value as to when a reminder message is sent to the remote monitor after the alert message is sent to the remote monitor, the reminder message only being sent if the alert message has not been previously acknowledged by the remote monitor and only if the event associated with the analyte state of the host has not changed after the alert message was sent" as required by the claim as amended.

Fish and *Thomas* do not appear to cure the deficiencies of *Robertson*, *Killen*, *Valdes*, and *Hastings*. The abstract of *Fish* discloses:

> A user of an instant messaging system may store names of other users of the instant messaging system on a participant list (which may be referred to as a "buddy list"), and the names may be categorized into one or more groups. Similarly, a user of a mobile device, such as a mobile telephone, may store contact information about people on the mobile device. Information describing the on-line presence of the user within the instant messaging system or the geographic location of a mobile device, such as a mobile telephone associated with the user, may be disseminated to users on the participant list or to people on the contact list based on notification information that is associated with groups of users or contacts.

Abbott Ex. 1002 - 322/848

Applicant respectfully submits that *Fish* does not teach or suggest varying any time values between messages. As such, *Fish* does not appear to teach or suggest "modifying, by the remote monitor, a rule varying a time value between when a reminder message is sent to the remote monitor after the alert message is sent, the reminder message only being sent if the alert message has not been previously acknowledged by the remote monitor and only if the event associated with the analyte state of the host has not changed after the alert message was sent" as required by the claim as amended. Similarly, *Fish* does not appear to teach or suggest "modifying, by the remote monitor, a rule defining an alert representative of an event associated with the analyte state of the host, wherein the alert, when triggered, causes an alert message to be sent to the remote monitor from a server to notify the remote monitor of the event."

As stated in the previous response, *Thomas* is an odd reference from a non-analogous field. *Thomas* is directed to "systems and methods for latency-based synchronized [television] playback at multiple locations." *Thomas*, Title of Publication. For example, the Abstract of *Thomas* discloses:

> Embodiments provide methods and systems for synchronizing simultaneous media asset viewing for users at different geographical viewing locations. In some embodiments, a first user device receives a request to synchronize viewing of a media asset [e.g., a television program] with a second user device. If the first user device accepts the request for synchronized viewing, the first and second user devices receive the media asset from a common source. Control circuitry at the common source may determine the latencies to the first and second user devices. The transmission of the media asset to the first and second user devices is adjusted according to the latencies.

Paragraphs [0029] and [0030] of *Thomas* further describes that:

> many users desire a form of media guidance through an interface that allows users to efficiently navigate content selections and easily identify content that they may desire. An application that provides such guidance is referred to herein as an interactive media guidance application or, sometimes, a media guidance application or a guidance application.
>
> Interactive media guidance applications may take various forms depending on the content for which they provide guidance. One

Abbott Ex. 1002 - 323/848

> typical type of media guidance application is an interactive television program guide.

Like *Fish*, Applicant respectfully submits that *Thomas* does not teach or suggest varying any time values between messages. As such, *Thomas* does not appear to teach or suggest "modifying, by the remote monitor, a rule varying a time value between when a reminder message is sent to the remote monitor after the alert message is sent, the reminder message only being sent if the alert message has not been previously acknowledged by the remote monitor and only if the event associated with the analyte state of the host has not changed after the alert message was sent" as required by the claim as amended. Rather *Thomas* merely discloses an interactive media guidance application for television programming and has nothing to do with health care. Similarly, *Thomas* does not appear to teach or suggest "modifying, by the remote monitor, a rule defining an alert representative of an event associated with the analyte state of the host, wherein the alert, when triggered, causes an alert message to be sent to the remote monitor from a server to notify the remote monitor of the event."

For at least these reasons, as well as the reasons discussed regarding claims 1 and 8, Applicant respectfully requests that the rejections to claims 6 and 13 be withdrawn.

IV. The Examiner rejected claims 7 and 14 under pre-AIA 35 U.S.C. § 103(a) as being unpatentable over *Robertson*, *Killen, Valdes, Carnes,* and *Ridolfo* as applied to claims 1 and 8 and further in view of U.S. Patent Publication No. 2013/0159456 to Daoud (hereinafter referred to as *Daoud*).

Regarding claims 7 and 14, the claims rely on independent claims 1 and 8, respectively. As discussed regarding claim 1, *Robertson*, *Killen, Valdes, Carnes,* and *Ridolfo* do not teach or suggest: "modifying, by the remote monitor, a rule defining an alert representative of an event associated with the analyte state of the host, wherein the alert, when triggered, causes an alert message to be sent to the remote monitor from a server to notify the remote monitor of the event" and "modifying, by the remote monitor, a rule varying a time value as to when a reminder message is sent to the remote monitor after the alert message is sent to the remote monitor, the reminder message only being sent if the alert message has not been previously acknowledged by the remote monitor and only if the event associated with the analyte state of the host has not changed after the alert message was sent" as required by the claim as amended.

Abbott Ex. 1002 - 324/848

Daoud does not appear to cure the deficiencies of *Robertson*, *Killen, Valdes, Carnes,* and *Ridolfo*. *Daoud* discloses "stored data is accessed over a computer network through a network data manager. Data may be stored and transferred to the network data manager from a product device using an uploader application. In one aspect, a request message containing an access request or identifier is received at the network data manager from a client device for access to a data storage facility." *Daoud*, Abstract. In paragraph [0081], *Daoud* discloses that an "invitation message [is] sent by the network data manager and received by the invitee is illustrated in FIG. 24, which is a screenshot of the invitation message 2402. Upon sending the invitation from either of the windows 2002 or 2102, the third party who receives the invitation to share data may reply to the message and become authorized to share data."

Like *Fish* and *Thomas*, Applicant respectfully submits that *Daoud* does not teach or suggest varying any time values between messages. As such, *Daoud* does not appear to teach or suggest "modifying, by the remote monitor, a rule varying a time value between when a reminder message is sent to the remote monitor after the alert message is sent, the reminder message only being sent if the alert message has not been previously acknowledged by the remote monitor and only if the event associated with the analyte state of the host has not changed after the alert message was sent" as required by the claim as amended. Similarly, *Thomas* does not appear to teach or suggest "modifying, by the remote monitor, a rule defining an alert representative of an event associated with the analyte state of the host, wherein the alert, when triggered, causes an alert message to be sent to the remote monitor from a server to notify the remote monitor of the event."

For at least these reasons, as well as the reasons discussed regarding claims 1 and 8, Applicant respectfully requests that the rejections to claims 7 and 14 be withdrawn.

Abbott Ex. 1002 - 325/848

CONCLUSION

Applicant has properly and fully addressed each of the Examiner's grounds for objection and rejection. If the Examiner has any questions or believes further discussion will aid examination and advance prosecution of the application, a telephone call to the undersigned is invited.

Please charge any fees due in connection with this Amendment and Response to our Deposit Account 11-1410.

Respectfully submitted,

Date: November 2, 2018

By: /Rose M. Thiessen/
Rose M. Thiessen
Registration No. 40,202
Attorney of Record
Customer No. 68851
(858) 707-4000

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Abbott Ex. 1002 - 326/848

AMENDMENTS TO THE CLAIMS

Without prejudice or surrender of any subject matter, this listing of claims will replace all prior versions and listings of claims in the application:

1. **(Currently Amended)** A method comprising:

receiving, at a remote monitor, an invitation to access a secure server and data associated with a receiver monitoring an analyte state of a host;

providing, from the remote monitor to the secure server, an acceptance to the invitation;

modifying, by the remote monitor, a rule defining an alert representative of an event associated with the analyte state of the host, wherein the alert, when triggered, causes an alert message to be sent to the remote monitor from a server to notify the remote monitor of the event; and

modifying, by the remote monitor, a rule varying a time value as to ~~between~~ when a reminder message is sent to the remote monitor after the alert message is sent to the remote monitor, the reminder message only being sent if the alert message has not been previously acknowledged by the remote monitor and only if the event associated with the analyte state of the host has not changed after the alert message was sent.

2. **(Previously Presented)** The method of claim 1, wherein the modifying the rule defining the alert comprises varying a first threshold associated with a low level of glucose at the host.

3. **(Previously Presented)** The method of claim 1, wherein the modifying the rule defining the alert comprises varying a second threshold associated with a high level of glucose at the host.

4. **(Previously Presented)** The method of claim 1, further comprising modifying a rule varying a delay between when a notification message is sent to the receiver and the alert message is sent to the remote monitor.

5. **(Canceled)**

6. **(Original)** The method of claim 1, wherein the invitation is associated with a set of recommended rule settings configured by a host monitoring system, wherein the recommended settings are provided to the remote monitor for acceptance or modification.

Abbott Ex. 1002 - 327/848

7. **(Previously Presented)** The method of claim 1, wherein accepting the invitation programically establishes an account associated with the remote monitor at the server.

8. **(Currently Amended)** An apparatus for remote monitoring of a hosts analyte levels, the apparatus comprising:

at least one processor; and

at least one memory including code, which when executed by the at least one processor causes the apparatus to:

receive an invitation to access a secure server and data associated with a receiver monitoring an analyte state of a host;

provide to the secure server an acceptance to the invitation;

modify a rule defining an alert representative of an event associated with the analyte state of the host, wherein the alert, when triggered, causes an alert message to be sent to the apparatus from a server to notify the apparatus of the event; and

modify a rule varying a time value ~~between~~ as to when a reminder message is sent to the apparatus after the alert message is sent, the reminder message only being sent if the alert message has not been previously acknowledged by the apparatus and only if the event associated with the analyte state of the host has not changed after the alert message was sent.

9. **(Previously Presented)** The apparatus of claim 8, wherein the modifying the rule defining the alert comprises varying a first threshold associated with a low level of glucose at the host.

10. **(Previously Presented)** The apparatus of claim 8, wherein the modifying the rule defining the alert comprises varying a second threshold associated with a high level of glucose at the host.

11. **(Previously Presented)** The apparatus of claim 8, wherein the code further causes the apparatus to modify a rule varying a delay between when a message is sent to the receiver and the alert message is sent to the apparatus.

12. **(Canceled)**

13. **(Previously Presented)** The apparatus of claim 8, wherein the invitation is associated with a set of recommended rule settings configured by a host monitoring system, wherein the recommended settings are provided to the apparatus for acceptance or modification.

Abbott Ex. 1002 - 328/848

14. **(Previously Presented)** The apparatus of claim 8, wherein the apparatus is configured to accept the invitation responsive to user input at the apparatus, wherein accepting the invitation programically establishes an account associated with the apparatus at the server.

15. **(Currently Amended)** The method of claim 1, wherein providing the acceptance to the invitation occurs after modifying the rule varying the time value as to ~~between~~ when a reminder message is sent to the remote monitor after the alert message is sent to the remote monitor.

16. **(Currently Amended)** The method of claim 1, wherein providing the acceptance to the invitation occurs after modifying the rule varying the time value as to ~~between~~ when a reminder message is sent to the remote monitor after the alert message is sent to the remote monitor.

Abbott Ex. 1002 - 329/848

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Michael Robert Mensinger	Examiner: Balseca, Franklin D.
Serial No.: 15/617,977	Art Unit: 2658
Filed: June 8, 2017	Conf. No.: 8138
Title: Remote Monitoring of Analyte Measurements	

REQUEST TO CONTINUE EXAMINATION, AMENDMENT, AND REPLY UNDER 37 C.F.R. § 1.114

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

Dear Sir:

In response the Final Office Action mailed June 29, 2018, (hereinafter referred to as the *Office Action*), Applicant respectfully requests withdrawal of the outstanding rejections in light of the amendments and remarks herein.

Amendments to the Claims begin on page 2.

Remarks begin on page 5.

Abbott Ex. 1002 - 330/848

PTO/SB/08a (07-09)
Approved for use through 07/31/2016. OMB 0651-0031
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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 1

Complete if Known	
Application Number	15/617977
Filing Date	06/08/2017
First Named Inventor	Mensinger, Michael Robert
Art Unit	3735
Examiner Name	To be assigned
Attorney Docket Number	225C9

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	US- 8229535	07-24-2012	Mensinger et al.	225VAUD1
		US-			
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3]-Number[4]-Kind Code[5] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T[6]
	1	WO 2005-041131	05-06-2005	Digital Angel Corporation		

Examiner Signature		Date Considered	

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

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

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Privacy Act Statement

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

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

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

Electronic Acknowledgement Receipt

EFS ID:	34203945
Application Number:	15617977
International Application Number:	
Confirmation Number:	8138
Title of Invention:	REMOTE MONITORING OF ANALYTE MEASUREMENTS
First Named Inventor/Applicant Name:	Michael Robert Mensinger
Customer Number:	68851
Filer:	Rose M. Thiessen
Filer Authorized By:	
Attorney Docket Number:	DEXCOM.225C3
Receipt Date:	02-NOV-2018
Filing Date:	08-JUN-2017
Time Stamp:	21:14:30
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	Transmittal Letter	transmittal.pdf	84245 305029282a76f01965c448d60401fc3684416fce	no	2

Warnings:

Information:					
2	Foreign Reference	WO2005041131.pdf	7873328 6c5a2a389acb23e0c33168082f00e550b1348389	no	187
Warnings:					
Information:					
3	Information Disclosure Statement (IDS) Form (SB08)	225sb08.pdf	237376 f7292e34be9cf705e5f89650ada2ea58b8d5bdfd	no	2
Warnings:					
Information:					
This is not an USPTO supplied IDS fillable form					
			Total Files Size (in bytes):	8194949	

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.

INFORMATION DISCLOSURE STATEMENT

First Inventor	:	Michael Robert Mensinger
App. No.	:	15/617977
Filed	:	June 8, 2017
For	:	REMOTE MONITORING OF ANALYTE MEASUREMENTS
Examiner	:	Balseca, Franklin D.
Art Unit	:	2658
Conf. No.	:	8138

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

References and Listing

Pursuant to 37 CFR 1.56, an Information Disclosure Statement listing references is provided herewith. Copies of any listed foreign and non-patent literature references are being submitted.

No Disclaimers

To the extent that anything in the Information Disclosure Statement or the listed references could be construed as a disclaimer of any subject matter supported by the present application, Applicant hereby rescinds and retracts such disclaimer.

Timing of Disclosure

This Information Disclosure Statement is being filed with an RCE and no fee is believed to be required.

The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: November 2, 2018

By: /Rose M. Thiessen/
Rose M. Thiessen
Registration No. 40,202
Registered Practitioner
Customer No. 68851
(858) 707-4000

IDS

29362824

Abbott Ex. 1002 - 336/848

PTO/SB/06 (09-11)
Approved for use through 1/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 15/617,977	Filing Date 06/08/2017	☐ 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 $80 =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*		x $420 =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).				
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))					
* If the difference in column 1 is less than zero, enter "0" in column 2.				TOTAL	

APPLICATION AS AMENDED - PART II

		(Column 1)		(Column 2)	(Column 3)			
AMENDMENT	11/02/2018	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 14	Minus	** 20	= 0		x $100 =	0
	Independent (37 CFR 1.16(h))	* 2	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

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

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

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

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

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.
15/617,977	06/08/2017	Michael Robert Mensinger	DEXCOM.225C3	8138

68851 7590 11/26/2018

KNOBBE, MARTENS, OLSON & BEAR, LLP
DEXCOM, INC.
2040 MAIN STREET
FOURTEENTH FLOOR
IRVINE, CA 92614

EXAMINER	
BALSECA, FRANKLIN D	

ART UNIT	PAPER NUMBER
2685	

NOTIFICATION DATE	DELIVERY MODE
11/26/2018	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):

efiling@knobbe.com
jayna.cartee@knobbe.com

Office Action Summary	Application No. 15/617,977	Applicant(s) Mensinger et al.	
	Examiner FRANKLIN D BALSECA	Art Unit 2685	AIA Status No

-- 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 02 November 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) 1-4,6-11 and 13-16 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) 1-4,6-11 and 13-16 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: _____.

Detailed Action

Continued Examination Under 37 CFR 1.114

1. 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 November 2, 2018 has been entered.

Response to Arguments

2. Applicant's arguments with respect to claim(s) 1 and 8 has/have been considered but are moot in view of new ground(s) of rejection.

In regards to claim 1 and 8, the applicant argues that Carnes (US-8,912,897) does not teach that the adjustment of the time, when a reminder message is transmitted, is done using the remote monitor [see applicant's arguments pg. 9 L. 14-24].

The examiner respectfully disagrees with the applicant. The applicant is reading each prior art individually and not as a combination. Carnes was only used to show that the set of rules for the remote monitor can include a time when the reminder message is

sent to the remote monitor. Carnes was not used to show that the remote monitor can be used to modify the rule set because the combination of Robertson et al. (US-2013/0117696), Killen et al. (US-2012/0136221) and Valdes et al. (2012/0108934) already shows that a user of the remote monitor can modify the rule set of the remote monitor using the remote monitoring device [see Killen fig. A72, par. 0143 L. 4-10, par. 0154]. Therefore, the combination of Robertson, Killen, Valdes and Carnes teaches that the rule set of the remote monitor can include that an adjustable time as of when the reminder message is transmitted to the monitor and that the rule set, which includes the aforementioned time, can be adjusted using the remote monitor. For this reason, the applicant's arguments are not persuasive.

Regarding the applicant's arguments about the Ridolfo reference, the examiner disagrees with the applicant. However, the examiner has used a new reference to better show the claimed limitation of when a reminder message is sent. Therefore, the applicant's arguments regarding the Ridolfo references are moot.

Claim Rejections - 35 USC § 103

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

> (a) A patent may not be obtained through the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

2. Claim(s) 1-3, 8-10, 15 and 16 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Robertson et al. (US-2013/0117696) in view of Killen et al (US-

2012/0136221), Valdes et al. (US-2012/0108934), Carnes (US-8,912,897) and Cohen (US-2007/0153993).

In regards to claim 1, Robertson teaches a method comprising the step of receiving, at a remote monitor, an invitation to access a secure server and data associated with a receiver monitoring physiological state of a host [fig. 1 elements 108 (receiver) and 122 (secure server), fig. 8 (remote monitor accessing data), fig. 31 (invitation), par. 0101 L. 1-14, par. 0106 L. 18-25]. Furthermore, Robertson teaches that the method comprises the step of providing, from the remote monitor to the secure server, an acceptance to the invitation [par. 0106 L. 24-31].

Robertson does not teach the step of modifying, by the remote monitor, a rule defining an alert.

On the other hand, Killen teaches accessing data about a physiological state of a host in a secure server by a remote monitor [fig. 1 element 8]. Killen further teaches that physiological data that is monitored can be glucose (analyte state of a host) [par. 0184 L. 7-10]. Killen further teaches modifying, by the remote monitor, a rule defining an alert representative of an event associated with the analyte state of the host, wherein the alert, when triggered, causes an alert message to be sent to the remote monitor from a server to notify the remote monitor of the event [fig. A72, par. 0143 L. 4-10, par. 0154].

It would have been obvious to one of ordinary skill in the art, at the time of the invention, to use Killen's teachings in the method taught by Robertson because it will permit the remote monitoring device to monitor other physiological data such as blood glucose and receive notifications when an abnormal condition is detected by the server.

The combination of Robertson and Killen does not teach that the analyte data is monitored by the receiver.

On the other hand, Valdes teaches that the analyte data can be also monitored by the receiver which will then transmit the data to the server [fig. 1, par. 0089].

It would have been obvious to one of ordinary skill in the art, at the time of the invention, to use Valdes's teachings in the method taught by the combination because it will permit the system monitor the analyte state of a host continuously.

The combination of Robertson, Killen and Valdes teaches that a user can use the remote monitor to modify alert rules [see Killen fig. A72, par. 0143 L. 4-10, par. 0154]. However, the combination does not teach that the alert rules includes a time value of when a reminder message is sent to the remote monitor.

On the other hand, Carnes teaches that the user can modify a rule varying a time as to when a reminder message is sent to the remote monitor [col. 9 L. 9-13]. Carnes further teaches that the reminder message is only sent if the alert message has not been previously acknowledged [col. 9 L. 9-13].

It would have been obvious to one of ordinary skill in the art, at the time of the invention, to use Carnes's teachings in the method taught by the combination because it will permit the user of the remote monitor to configure the time a reminder message is sent and to prevent that alerts are left unattended.

The combination of Robertson, Killen, Valdes and Carnes does not teach that the reminder message is sent only if the event associated with monitored condition has not changed after the alert message was sent.

On the other hand, Cohen teaches that a remote monitor device receive an alert message regarding a detected event and receive a reminder message when the remote monitor has not acknowledged the receipt of the alert message [par. 0094 L. 1-4 and L. 7-14]. This means that the reminder message is only sent if the alert message has not being previously acknowledged. Furthermore, Cohen further teaches that if the detected event returns to a normal condition, the system stops sending the reminder message to the remote monitor device and sends a notification that everything has return to a normal condition again [par. 0101]. This means that the reminder message is sent only if the detected event associated with the host has not changed after the alert message was sent.

It would have been obvious to one of ordinary skill in the art, at the time of the invention, to use Cohen's teachings in the method taught by the combination because it will permit the system to remind the remote monitoring device that an alert condition exist, which in this case is associated with the analyte state of the host, and to notify when the state of the host has returned to normal.

In regards to claims 2 and 3, the combination of Robertson, Killen, Valdes, Carnes and Cohen, as applied in claim 1 above, further teaches that modifying the rule defining the alert comprises varying a first and a second threshold values associated with the monitored physiological parameter [see Killen fig. A72, par. 0143 L. 4-10, par. 0154]. Furthermore, the combination teaches that when glucose is being monitored the threshold values can be associated with low level of glucose of the host and a high level glucose of the host [see Valdes par. 0048].

It would have been obvious to one of ordinary skill in the art, at the time of the invention, to use Valdes's teachings in the method taught by the combination because associating rules with high and low glucose values will permit the use to be aware when the host is hypoglycemic or hyperglycemic.

In regards to claim 8, the combination of Robertson, Killen, Valdes, Carnes and Cohen, as shown in claim 1 above, teaches the claimed limitations. The combination further teaches that the remote monitor further comprises at least one processor; and at least one memory including code, which when executed by the at least one processor causes the apparatus to perform the method [see Robertson par. 0008 L. 6-7, par. 0102 L. 1-3, par. 0106 L. 24-25, par. 0147, par. 0155 L. 1-5, see Killen fig. 2].

In regards to claims 9 and 10, the combination of Robertson, Killen, Valdes, Carnes and Cohen, as shown in claims 2 and 3 above, teaches the claimed limitations.

In regards to claims 15 and 16, the combination of Robertson, Killen, Valdes, Carnes and Cohen, as applied in claims 1 and 8 above, further teaches that the user of the remote monitor can accept the invitation and also modify the rule varying the time value [see Robertson par. 0106 L. 24-25, see Carnes col. 9 L. 6-13]. The combination does not teach that the user accepts the invitation after modifying the rule varying the time value. However, one of ordinary skill in the art would have modified the method taught by the combination so the user can modify the claimed rule before accepting the

invitation because this will permit the user to set up the rules and send them together with the acceptance of the invitation in a single message.

3. Claim(s) 4 and 11 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Robertson et al. (US-2013/0117696) in view of Killen et al (US-2012/0136221), Valdes et al. (US-2012/0108934), Carnes (US-8,912,897) and Cohen (US-2007/0153993) as applied to claims 1 and 8 above, and further in view of Hastings (US-2005/0148890).

In regards to claim 4, the combination of Robertson, Killen, Valdes, Carnes and Cohen, as applied in claim 1 above , teaches that a notification can be sent to the receiver and the alert message to the remote monitor [see Robertson fig. 4 (alert message) fig. 106 (notification), par. 0096 L. 1-6, par. 0223 L. 1-4]. However, the combination does not teach that modifying the rule comprises varying a delay between when the message is sent to the receiver and a notification message is sent to the remote monitor.

On the other hand, Hastings teaches a method to receive alerts at a remote monitor where the user of the remote monitor can select the time when the alert is received at the remote monitor [par. 0178 L. 1-4, par. 0179 L. 12-14]. This means that the method comprises the step of varying a delay between when a notification message is sent to the receiver and an alert message is sent to the remote monitor because the user of the remote monitor can decide when to receive the alert message.

It would have been obvious to one of ordinary skill in the art, at the time of the invention, to use Hastings' teachings in the method taught by the combination because it will permit the user of the remote monitor device to decide when to receive the notification.

In regards to claim 11, the combination of Robertson, Killen, Valdes, Carnes, Cohen and Hastings, as shown in claim 4 above, teaches the claimed limitations.

4. Claim(s) 6 and 13 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Robertson et al. (US-2013/0117696) in view of Killen et al (US-2012/0136221), Valdes et al. (US-2012/0108934), Carnes (US-8,912,897) and Cohen (US-2007/0153993) as applied to claims 1 and 8 above, and further in view of Fish (US-2004/0243941) and Thomas et al. (US-2013/0173742).

In regards to claim 6, the combination of Robertson, Killen, Valdes, Carnes and Cohen, as applied in claim 1 above, does not teach that the invitation is associated with a set of recommended settings that can be modified by the remote monitor.

On the other hand, Fish teaches the concept that a host can authorize a user to modify notification rule settings [par. 0082 L. 1-12]. This means that a host can configure notification rule settings (set of recommended rule settings) and later authorize a remote monitor to modify and/or accept those rules.

It would have been obvious to one of ordinary skill in the art, at the time of the invention, to use Fish's teachings in the method taught by the combination because it

will permit the host to decide whether or not the remote monitor is authorized to modify the notification rule settings.

The combination of Robertson, Killen, Valdes, Carnes, Cohen and Fish does not teach that the set of recommended settings are included with the invitation.

On the other hand, Thomas teaches the concept that when a host in a system invites another user, the invitation will include settings established by the host and that the invitee can accept or modify [par. 0088 L. 1-5, par. 0091 L. 1-5, par. 0092 L. 15-21].

It would have been obvious to one of ordinary skill in the art, at the time of the invention, to use Thomas' teachings in the method taught by the combination because it will permit the system to send the rule settings and the invitation in a single message and reduce traffic in the system.

In regards to claim 13, the combination of Robertson, Killen, Valdes, Carnes, Cohen, Fish and Thomas, as shown in claim 6 above, teaches the claimed limitations.

5. Claim(s) 7 and 14 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Robertson et al. (US-2013/0117696) in view of Killen et al (US-2012/0136221), Valdes et al. (US-2012/0108934), Carnes (US-8,912,897) and Cohen (US-2007/0153993) as applied to claims 1 and 8 above, and further in view of Daoud et al. (US-2013/0159456)

In regards to claim 7, the combination of Robertson, Killen, Valdes, Carnes and Cohen, as applied in claim 1 above, teaches that the user of the remote device can

accept the invitation [see Robertson par. 0106 L. 24-25]. However, the combination does not explicitly state that an account is created when accepting the invitation.

On the other hand, Daoud teaches that accepting the invitation programically establishes an account associated with the remote monitor at the server [fig. 24 element 2404, par. 0038 L. 8-15, par. 0081 L. 29-36].

It would have been obvious to one of ordinary skill in the art, at the time of the invention, to use Daoud' teachings in the method taught by the combination because it will permit the user of the remote device to create an account when an invitation is received for the first time so and access the data at the server securely whenever the user desires.

In regards to claim 14, the combination of Robertson, Killen, Valdes, Carnes, Cohen and Daoud, as shown in claim 7 above, teaches the claimed limitations.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to FRANKLIN D BALSECA whose telephone number is (571)270-5966. The examiner can normally be reached on 6AM-4PM EST M-F.

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, Hai Phan can be reached on (571) 272-6338.

Information regarding the status of an application may be obtained from the Patent Application Retrieval (PAIR) system. Status information for published applications may be obtained from either 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. If you have questions on how to access to 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 US OR CANADA) or (571)272-1000.

/FRANKLIN D BALSECA/
Examiner, Art Unit 2685

Notice of References Cited	Application/Control No. 15/617,977	Applicant(s)/Patent Under Reexamination Mensinger et al.	
	Examiner FRANKLIN D BALSECA	Art Unit 2685	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-20070153993-A1	07-2007	Cohen; Philip E.	H04M11/002	379/100.05
	B					
	C					
	D					
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FOREIGN PATENT DOCUMENTS

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

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
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*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
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Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15/617,977	Mensinger et al.
	Examiner	Art Unit
	FRANKLIN D BALSECA	2685

CPC - Searched*		
Symbol	**Date**	**Examiner**
A61B5/ 0002,0004,0022,145,14532,7264,7282,742,743,746,0015,0024,02,7435 ,7465	12/04/2017	FB
G06F19/3418,30,32,34,3406,3487	12/04/2017	FB
H04L67/12	12/04/2017	FB
H04Q9/00	12/04/2017	FB
H04Q2209/00,10,40,50,82,823,826	12/04/2017	FB
Updated Search	06/21/2018	FB
Updated Search	11/19/2018	FB

CPC Combination Sets - Searched*		
Symbol	**Date**	**Examiner**

US Classification - Searched*			
Class	**Subclass**	**Date**	**Examiner**

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

/AMINE BENLAGSIR/ Primary Examiner.Art Unit 2685	/FRANKLIN BALSECA/ Examiner.Art Unit 2685

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15/617,977	Mensinger et al.
	Examiner	**Art Unit**
	FRANKLIN D BALSECA	2685

Search Notes		
Search Notes	**Date**	**Examiner**
Inventor Search	12/04/2017	FB
East Search	12/04/2017	FB
A61B5/ 0002,0004,0022,145,14532,7264,7282,742,743,746,0015,0024,02,7435 ,7465 and text limited. See search history printout.	12/04/2017	FB
G06F19/3418,30,32,34,3406,3487 and text limited. See search history printout.	12/04/2017	FB
H04L67/12 and text limited. See search history printout.	12/04/2017	FB
H04Q9/00 and text limited. See search history printout.	12/04/2017	FB
H04Q2209/00,10,40,50,82,823,826 and text limited. See search history printout.	12/04/2017	FB
Updated East and text limited class search	06/21/2018	FB
Updated East and text limited class search	11/19/2018	FB

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

/AMINE BENLAGSIR/ Primary Examiner.Art Unit 2685	/FRANKLIN BALSECA/ Examiner.Art Unit 2685

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15/617,977	Mensinger et al.
	Examiner	Art Unit
	FRANKLIN D BALSECA	2685

✓	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	12/04/2017	06/22/2018	11/19/2018						
	1	✓	✓	✓						
	2	✓	✓	✓						
	3	✓	✓	✓						
	4	✓	✓	✓						
	5	✓	-	-						
	6	✓	✓	✓						
	7	✓	✓	✓						
	8	✓	✓	✓						
	9	✓	✓	✓						
	10	✓	✓	✓						
	11	✓	✓	✓						
	12	✓	-	-						
	13	✓	✓	✓						
	14	✓	✓	✓						
	15		✓	✓						
	16		✓	✓						

PTO/SB/08a (07-09)
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 1

Complete if Known	
Application Number	15/617977
Filing Date	06/08/2017
First Named Inventor	Mensinger, Michael Robert
Art Unit	3735
Examiner Name	To be assigned
Attorney Docket Number	225C9

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	US- 8229535	07-24-2012	Mensinger et al.	225VAUD1
		US-			
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3]-Number[4]-Kind Code[5] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T[6]
	1	WO 2005-041131	05-06-2005	Digital Angel Corporation		

Examiner Signature	/FRANKLIN D BALSECA/	Date Considered	11/19/2018

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

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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /F.D.B/

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	105	(US-20140088392-$ or US-20120245447-$ or US-20120108934-$ or US-20110320130-$ or US-20110213225-$ or US-20140121488-$ or US-20130117696-$ or US-20120136221-$ or US-20130116526-$ or US-20130159456-$ or US-20050148890-$ or US-20040243941-$ or US-20130173742-$ or US-20050165627-$ or US-20150019231-$ or US-20140206976-$ or US-20130116578-$ or US-20130095459-$ or US-20130013327-$ or US-20080077435-$ or US-20120289787-$ or US-20120277543-$ or US-20080157980-$ or US-20110161111-$ or US-20090088607-$ or US-20060293570-$).did. or (US-20060089542-$ or US-20090062696-$ or US-20110295127-$ or US-20110270347-$ or US-20160079787-$ or US-20090309756-$).did. or (US-9585563-$ or US-9730621-$ or US-8005546-$ or US-8653965-$ or US-8517941-$ or US-5648917-$).did. or (US-20050148890-$ or US-20080208069-$ or US-20020008625-$ or US-20100013639-$ or US-20120209088-$ or US-20080119710-$).did. or (US-9019106-$ or US-8364221-$ or US-6492901-$ or US-4688183-$ or US-7221282-$ or US-7528711-$ or US-7729202-$ or US-6847892-$ or US-8803683-$ or US-8912897-$).did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/11/19 09:07
L2	0	L1 and (((transmit$4 or send$4 or sent or receiv$4) near5 reminder) same2 ((event or condition) near5 (return$4 or back) near5 normal))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/11/19 09:35
L3	8	((((transmit$4 or send$4 or sent or receiv$4) near5 reminder) same2 ((event or condition) near5 (return$4 or back) near5 normal))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/11/19 09:36
L4	9	(((transmit$4 or send$4 or sent or receiv$4 or generat$4) near5 reminder) same2 ((event or condition) near5 (return$4 or back) near5 normal))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/11/19 09:40
L5	75	(remind$4) same2 ((event or condition) near5 (return$4 or back) near5 normal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/11/19 09:45
L6	2	(retransmit$4 near5 (notification or alarm or alert)) same2 ((event or condition) near5 (return$4 or back) near5 normal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/11/19 09:58
L7	2	(stop$4 near5 (transmit$4 or send$4 or sent or receiv$4 or generat$4) near5 reminder) same normal	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/11/19 10:03
L8	630	((stop$4 or discontinu$4) near5 (transmit$4 or send$4 or sent or receiv$4 or generat$4) near5 (alert or alarm)) same normal	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/11/19 10:07
L9	345	L8 and @ay<="2012"	US-PGPUB; USPAT; USOCR;	OR	ON	2018/11/19 10:08

			FPRS; EPO; JPO; DERWENT; IBM_TDB			
L10	41	((stop$4 or discontinu$4) near5 (transmit$4 or send$4 or sent or receiv$4 or generat$4) near5 (alert or alarm)) same ((return$4 or back) near5 normal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/11/19 10:10
L11	8	((transmit$4 or send$4 or sent or receiv$4 or generat$4) near5 (alert or alarm) near5 (minute or second or hour or periodical$4)) same ((return$4 or back) near5 normal) same acknowledg$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/11/19 10:22
L12	0	((retransmit$4) near5 (alert or alarm)) same ((return$4 or back) near5 normal) same acknowledg$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/11/19 10:46
L13	4	((retransmit$4) near5 (alert or alarm)) same ((return$4 or back) near5 normal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/11/19 10:46
L14	119777	A61B5/0002,0004,0022,145,14532,7264,7282,742,743,746,0015,0024,02,7435,7465.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/11/19 12:31
L15	38591	G06F19/3418,30,32,34,3406,3487.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/11/19 12:31
L16	50734	H04L67/12.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/11/19 12:32
L17	22169	H04Q9/00.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/11/19 12:32
L18	0	H04Q22009/00,10,40,50,82,823,826.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/11/19 12:32
L19	214246	L14 or L15 or L16 or L17 or L18	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/11/19 12:32
L20	8821	H04Q2209/00,10,40,50,82,823,826.cpc.	US-PGPUB; USPAT; USOCR;	OR	ON	2018/11/19 12:34

			FPRS; EPO; JPO; DERWENT; IBM_TDB			
L21	214734	L14 or L15 or L16 or L17 or L20	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/11/19 12:34
L22	0	L21 and (retransmit$4 near5 (alarm or alert or notification) same ((condition or event) near5 "not" near5 chang$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/11/19 12:35
L23	0	L21 and ((retransmit$4 near5 (alarm or alert or notification)) same ((condition or event) near5 "not" near5 chang$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/11/19 12:36
L24	0	L21 and (((transmit$4 or receiv$4 or send$4 or sent) near5 (remaind$4)) same ((condition or event) near5 "not" near5 chang$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/11/19 12:37
L25	0	L21 and (((transmit$4 or receiv$4 or send$4 or sent) near5 (remind$4)) same ((condition or event) near5 "not" near5 chang$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/11/19 12:37
L26	0	(((transmit$4 or receiv$4 or send$4 or sent) near5 (remind$4)) same ((condition or event) near5 "not" near5 chang$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/11/19 12:41
L27	0	((condition or event) near5 "not" near5 chang$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/11/19 12:42
L28	131	("not" near5 chang$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/11/19 12:42
L29	11	L8 and L21	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/11/19 12:48
L30	2	((stop$4 or discontinu$4) near5 (transmit$4 or send$4 or sent or receiv$4 or generat$4) near5 (remind$4)) same ((return$4 or back) near5 normal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/11/19 12:50
L31	6	("9198623" | "8229535").pn.	US-PGPUB; USPAT; USOCR;	OR	ON	2018/11/19 12:52

			FPRS; EPO; JPO; DERWENT; IBM_TDB			
L32	1	L31 and remind$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/11/19 12:54
L33	0	L1 and (remind$4 same (alert or alarm) same acknowledg$5) and ((adjust$4 or modif$4) near5 time near5 remind$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/11/19 12:56
L34	0	L1 and (remind$4 same (alert or alarm) same acknowledg$5) and ((adjust$4 or modif$4) near5 time near5 (remind$4 or acknowledg$5))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/11/19 12:57
L35	0	L1 and (remind$4 same (alert or alarm) same acknowledg$5) and ((adjust$4 or modif$4 or customiz$4) near5 time near5 (remind$4 or acknowledg$5))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/11/19 12:57
L36	0	L21 and (remind$4 same (alert or alarm) same acknowledg$5) and ((adjust$4 or modif$4 or customiz$4) near5 time near5 (remind$4 or acknowledg$5))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/11/19 12:58
L37	38	L21 and ((adjust$4 or modif$4 or customiz$4) near5 time near5 (remind$4 or acknowledg$5))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/11/19 12:59
L38	0	((alert or alarm) same (retransmit$4 near5 (alert or alarm or notification))) and ((adjust$4 or modif$4 or customiz$4) near5 time near5 (remind$4 or acknowledg$5))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/11/19 13:01
L39	1235	((adjust$4 or modif$4 or customiz$4) near5 time near5 (remind$4 or acknowledg$5))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/11/19 14:25
L40	874	((adjust$4 or modif$4 or customiz$4) near5 time near5 (remind$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/11/19 14:25
L41	76	L40 and ((alert or alarm) same threshold)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/11/19 14:26
L42	44	L41 and @ay<="2012"	US-PGPUB; USPAT; USOCR;	OR	ON	2018/11/19 14:26

			FPRS; EPO; JPO; DERWENT; IBM_TDB			
L43	38	L39 and L21	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2018/11/19 14:43

EAST Search History (Interference)

< This search history is empty>

11/19/2018 3:08:05 PM
C:\Users\fbalseca\Documents\EAST\Workspaces\15617977 (RCE).wsp

Abbott Ex. 1002 - 360/848

PTO/SB/08a (07-09)
Approved for use through 07/31/2016. OMB 0651-0031
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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 2 of 2

Complete if Known	
Application Number	15/617977
Filing Date	06/08/2017
First Named Inventor	Mensinger, Michael Robert
Art Unit	3735
Examiner Name	Balseca, Franklin D
Attorney Docket Number	225C9

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	US- 9198623	12-01-2015	Fern et al.	
		US-			
		US-			
		US-			
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3]-Number[4]-Kind Code[5] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T[6]
	1	JP 2008-098744-A	04-24-2008	Sharp Corp.		
	2	JP 2008-216057-A	09-18-2008	Tokyo Electric Power Co.		

Examiner Signature	/FRANKLIN D BALSECA/	Date Considered	11/19/2018

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

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

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /F.D.B/

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Michael Robert Mensinger	Examiner: Balseca, Franklin D.
Serial No.: 15/617,977	Art Unit: 2685
Filed: June 8, 2017	Conf. No.: 8138
Title: Remote Monitoring of Analyte Measurements	

AMENDMENT AND REPLY UNDER 37 C.F.R. § 1.111

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

Dear Sir:

In response the Non-Final Office Action mailed November 26, 2018, (hereinafter referred to as the *Office Action*), Applicant respectfully requests withdrawal of the outstanding rejections in light of the amendments and remarks herein.

Amendments to the Claims begin on page 2.

Remarks begin on page 5.

Abbott Ex. 1002 - 362/848

Electronic Patent Application Fee Transmittal

Application Number:	15617977
Filing Date:	08-Jun-2017
Title of Invention:	REMOTE MONITORING OF ANALYTE MEASUREMENTS
First Named Inventor/Applicant Name:	Michael Robert Mensinger
Filer:	Rose M. Thiessen
Attorney Docket Number:	DEXCOM.225C3

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 - 3 months with $0 paid	1253	1	1400	1400
Miscellaneous:				
			Total in USD ($)	**1400**

Electronic Acknowledgement Receipt

EFS ID:	35929166
Application Number:	15617977
International Application Number:	
Confirmation Number:	8138
Title of Invention:	REMOTE MONITORING OF ANALYTE MEASUREMENTS
First Named Inventor/Applicant Name:	Michael Robert Mensinger
Customer Number:	68851
Filer:	Rose M. Thiessen/Sandra Autry
Filer Authorized By:	Rose M. Thiessen
Attorney Docket Number:	DEXCOM.225C3
Receipt Date:	06-MAY-2019
Filing Date:	08-JUN-2017
Time Stamp:	19:20:14
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	$1400
RAM confirmation Number	050719INTEFSW19204700
Deposit Account	111410
Authorized User	Sandra Autry

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

37 CFR 1.16 (National application filing, search, and examination fees)

37 CFR 1.17 (Patent application and reexamination processing fees)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		225c3.pdf	227587 dc1c30dbbd467cc6e12958404d95edc221a3a0d8	yes	15
	Multipart Description/PDF files in .zip description				
	Document Description		**Start**	**End**	
	Applicant Arguments/Remarks Made in an Amendment		5	15	
	Claims		2	4	
	Amendment/Req. Reconsideration-After Non-Final Reject		1	1	
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	30880 d9d46855ef9044fc79affcbec2b40760a111f4db	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	258467		

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.

REMARKS

Claims 1-4, 6-11, and 13-16 are pending and stand rejected. In order to accelerate prosecution and without waiving any arguments, Applicant is amending Claims 1 and 8. No new matter was added by way of the amendments. By these proposed claim amendments and the following remarks, Applicant does not acquiesce to the propriety of any of the Examiner's objections or rejections and does not disclaim any subject matter to which Applicant is entitled. *Cf. Warner-Jenkinson Co. v. Hilton Davis Chem. Co.*, 41 U.S.P.Q. 2d 1865 (U.S. 1997).

Claim Rejections – 35 USC §103

I. The Examiner rejected Claims 1-3, 8-10, 15, and 16 under pre-AIA 35 U.S.C. § 103(a) as being unpatentable over:

U.S. Pat. Pub. No. 2013/0117696 to Robertson et al. (hereinafter referred to as *Robertson*), in view of
U.S. Pat. Pub. No. 2012/0136221 to Killen et al. (hereinafter referred to as *Killen*),
U.S. Pat. Pub. No. 2012/0108934 to Valdes et al. (hereinafter referred to as *Valdes*),
U.S. Pat. No. 8,912,897 to Carnes (hereinafter referred to as *Carnes*), and
U.S. Pat. No. 200//0153993 to Cohen (hereinafter referred to as *Cohen*).

To maintain a proper rejection under 35 U.S.C. §103, the Examiner must meet four conditions to establish a *prima facie* case of obviousness. First, the Examiner must show that the prior art suggested to those of ordinary skill in the art that they should make the claimed composition or device or carry out the claimed process. Second, the Examiner must show that the prior art would have provided one of ordinary skill in the art with a reasonable expectation of success. Both the suggestion and the reasonable expectation of success must be adequately founded in the prior art and not in an Applicant's disclosure. Third, the prior art must teach or suggest all the claim limitations. *In re Vaeck,* 20 U.S.P.Q.2d 1438, 1442 (Fed. Cir. 1991). Fourth, if an obviousness rejection is based on some combination of prior art references, the Examiner must show a suggestion, teaching, or motivation to combine the prior art references ("the TSM test"). *In re Dembiczak,* 50 U.S.P.Q.2d 1614, 1617 (Fed. Cir. 1999). Following *KSR Int'l Co. v. Teleflex, Inc.*, this fourth prong of the *prima facie* obviousness analysis must not be applied in a rigid or formulaic way such that it becomes inconsistent with the more flexible approach of *Graham v. John Deere*, 383 U.S. 1, 17-18 (1966). 127 S. Ct. 1727 (2007). It must still be applied, however, as the TSM test captures the important insight that "a patent composed of several

Abbott Ex. 1002 - 368/848

elements is not proved obvious merely by demonstrating that each of its elements was, independently, known in the prior art." *Id.* (citing *United States v. Adams*, 383 U.S. 39, 50-52 (1966)).

Regarding Claim 1, Applicant previously amended Claim 1 as follows:

> 1. A method comprising:
>
> receiving, at a remote monitor, an invitation to access a secure server and data associated with a receiver monitoring an analyte state of a host;
>
> providing, from the remote monitor to the secure server, an acceptance to the invitation;
>
> modifying, by the remote monitor, a rule defining an alert representative of an event associated with the analyte state of the host, the event being determined by the secure server based on a first measurement of the data received regarding the analyte state of the host at a first time, wherein the alert, when triggered at the first time, causes an alert message to be sent to the remote monitor from a server to notify the remote monitor of the event; and
>
> modifying, by the remote monitor, a rule varying a time value as to when a reminder message is sent to the remote monitor after the alert message is sent to the remote monitor, the reminder message only being sent if the alert message has not been previously acknowledged by the remote monitor and only if the event associated with the analyte state of the host has not changed, based on a second measurement of the data at a second time, after the alert message was sent.

As discussed herein, the claim recites a step of modifying, by the remote monitor, a rule varying an amount of time to send a reminder to a remote monitor after an alert message is sent to the remote monitor. The claim further recites that the reminder message is only sent "if the alert message has not been previously acknowledged by the remote monitor and only if the event associated with the analyte state of the host has not changed after the alert message was sent."

Applicant is amending the claim to clarify that "the event being determined by the secure server based on a first measurement of the data received regarding the analyte state of the host at a first time, wherein the alert, when triggered at the first time, causes an alert message to be sent to the remote monitor from a server to notify the remote monitor of the event" and "modifying, by the remote monitor, a rule varying a time value as to when a reminder message is sent to the remote monitor after the alert message is sent to the remote monitor, the reminder message only being

Abbott Ex. 1002 - 369/848

sent if the alert message has not been previously acknowledged by the remote monitor and only if the event associated with the analyte state of the host has not changed, based on a second measurement of the data at a second time, after the alert message was sent."

Applicant respectfully submits that the cited art does not appear to teach or suggest a secure server determines the event "based on a first measurement of the data received regarding the analyte state of the host at a first time" and that a remote monitor modifies a rule varying the time value regarding when a reminder message is sent to the remote monitor "the reminder message only being sent if the alert message has not been previously acknowledged by the remote monitor **and** only if the event associated with the analyte state of the host has not changed, based on a second measurement of the data at a second time, after the alert message was sent" (emphases added).

The Examiner cites no less than five different references (including *Robertson*, *Killen*, *Valdes, Carnes,* and *Cohen*) for combination in a rejection for obviousness under 35 USC § 103. Applicant respectfully submits that even this long list of references does not appear to teach or suggest every element of the claim as amended, either individually or in combination.

The Examiner admits that *Robertson*, *Killen*, and *Valdes* "does not teach that the alert rules includes a time value of when a reminder message is sent to the remote monitor." *Office Action*, p. 5. The Examiner states, however, that "Carnes teaches that the user can modify a rule varying a time as to when a reminder message is sent to the remote monitor [col. 9 L. 9-13]. Carnes further teaches that the reminder message is only sent if the alert message has not been previously acknowledged [col. 9 L. 9-13]." *Id.*

The cited section of *Carnes*, column 9, lines 9-13, state:

> In other embodiments, a user may implement clinician control 316 to receive an acknowledgement message with an optional reminder timer component to resend the triggered notification after the specified interval.

In other words, *Carnes* discloses resending the same triggered notification based only on "an optional reminder timer component" and the optional reminder timer component is set by the user that sends the notification.

Abbott Ex. 1002 - 370/848

Carnes (as well as *Robertson*, *Killen*, and *Valdes*) does not appear to teach or suggest a secure server making a first measurement at a first time based on data regarding the analyte state of the host to determine an event and sending a second message based on the time value supplied by the remote monitor (i.e., the same device receives the invitation, provides acceptance, modifies a rule defining the alert, modifies a rule varying a time value as to when the reminder message is sent thereby defining their own notification requirements based on the user of the same device's needs, and receiving a reminder only if the previous alert message was not acknowledged by the same device AND only if the event has not changed based on a second measurement of the data at a second time).

The Examiner admits that "[t]he combination of Robertson, Killen, Valdes and Carnes does not teach that the reminder message is sent only if the event associated with monitored condition has not changed after the alert message was sent." *Office Action*, p. 5

The Examiner states that *Cohen* discloses "that a remote monitor device receive[s] an alert message regarding a detected event and receive[s] a reminder message when the remote monitor has not acknowledged the receipt of the alert message." *Id.* at 6. The Examiner further states that Cohen discloses "if the detected event returns to a normal condition, the system stops sending the reminder message to the remove monitor device and sends a notification that everything has returned to a normal condition again [par. 101]." *Id.*

Paragraph 101 of *Cohen* is as follows:

> In one embodiment, if the monitored subject provides the correct response to a notification message while the monitoring system is in the non-response system state, all of the monitoring parties that had received a nonresponse message will be notified of this event, and the monitoring system will exit the non-response system state and return back to a normal operating state.

In other words, *Cohen* discloses receiving a message from a monitored subject and notifying monitoring parties that the message was received.

Cohen, like *Robertson*, *Killen*, *Valdes*, and *Carnes*, does not appear to teach or suggest a secure server making a first measurement at a first time based on data regarding the analyte state

Abbott Ex. 1002 - 371/848

of the host to determine an event and sending a second message based on the time value supplied by the remote monitor (i.e., the same device receives the invitation, provides acceptance, modifies a rule defining the alert, modifies a rule varying a time value as to when the reminder message is sent thereby defining their own notification requirements based on the user of the same device's needs, and receiving a reminder only if the previous alert message was not acknowledged by the same device AND only if the event has not changed based on a second measurement of the data at a second time).

For at least these reasons, Applicant respectfully requests that the rejection to Claim 1, as well as the rejections to the claims that depend upon Claim 1, be withdrawn.

Regarding Claims 2 and 3, the claims depend upon Claim 1 as amended. For at least the reasons discussed regarding Claim 1, Applicant respectfully requests that the rejections to the claims be withdrawn.

Regarding Claim 8, the claim as amended contains subject matter that is similar to that of Claim 1. For at least the reasons discussed with regard to Claim 1, Applicant respectfully requests that the rejection to Claim 8, as well as the rejections to the claims that depend upon Claim 8, be withdrawn.

Regarding Claims 9 and 10, the claims depend upon Claim 8 as amended. For at least the reasons discussed regarding Claims 1 and 8, Applicant respectfully requests that the rejections to the claims be withdrawn.

Regarding Claims 15 and 16, the claims depend upon Claim 1 as amended. For at least the reasons discussed regarding Claim 1, Applicant respectfully requests that the rejections to the claims be withdrawn.

II. The Examiner rejected Claims 4 and 11 under pre-AIA 35 U.S.C. § 103(a) as being unpatentable over *Robertson*, *Killen, Valdes*, *Carnes*, and *Cohen* as applied to Claims 1 and 8 and further in view of U.S. Pat. Pub. No. 2005/0148890 to Hastings (hereinafter referred to as *Hastings*).

Regarding Claims 4 and 11, Claim 4 recites "further comprising modifying a rule varying a delay between when a notification message is sent to the receiver and the alert message is sent

Abbott Ex. 1002 - 372/848

to the remote monitor." Claim 11 contains similar subject matter. The Examiner admitted that the five previous references do "not teach that modifying the rule comprises varying a delay between when the message is sent to the receiver and a notification message is sent to the remote monitor." The Examiner states however, that the sixth reference *Hastings*, that when combined with the five previous references render the claim obvious under 35 USC § 103.

Hastings discloses a rule varying the amount of data (i.e., data over time whereby a predetermined amount of time is identified thereby defining what data is sent and how much) that may be sent to care professional. Paragraph 179 of *Hastings* is as follows:

> Data may be transferred in parts. For instance, an initial notification message may include the patient's name and a window of data relating to the patient. The window of data may be a 3 to 20 second clip (or, more typically, a 6 to 12 second clip) of data relating to the patient which clip of data represents the state of the patient at about the time of the alarm. The length of the window may be predetermined, may be user selectable, or may vary according to the data relating to the patient. The 3 to 20 second clip may include data acquired shortly before the alarm, data from at the time of the alarm, and/or data acquired shortly after the alarm. The timing of when the data is received may also be predetermined, may be user selectable, or may vary according to the data relating to the patient.

In other words, *Hastings* discloses a window of data measured by time and that the timing of the data in the window "may also be predetermined, may be user selectable, or may vary according to the data relating to the patient."

Hastings does not appear to teach or suggest a secure server making a first measurement at a first time based on data regarding the analyte state of the host to determine an event and sending a second message based on the time value supplied by the remote monitor (i.e., the same device receives the invitation, provides acceptance, modifies a rule defining the alert, modifies a rule varying a time value as to when the reminder message is sent thereby defining their own notification requirements based on the user of the same device's needs, and receiving a reminder only if the previous alert message was not acknowledged by the same device AND only if the event has not changed based on a second measurement of the data at a second time).

Abbott Ex. 1002 - 373/848

For at least these reasons, as well as the reasons discussed regarding independent Claims 1 and 8, from which they rely, respectively, Applicant respectfully requests that the rejections to Claims 4 and 11 be withdrawn.

III. The Examiner rejected Claims 6 and 13 under pre-AIA 35 U.S.C. § 103(a) as being unpatentable over seven references, including *Robertson*, *Killen, Valdes, Carnes,* and *Cohen* as applied to Claims 1 and 8 and further in view of U.S. Patent Publication No. 2004/0243941 to Fish (hereinafter referred to as *Fish*) and U.S. Patent Publication No. 2013/0173742 to Thomas (hereinafter referred to as *Thomas*).

Regarding Claims 6 and 13, the claims rely on independent Claims 1 and 8, respectively. Claim 6 recites "wherein the invitation is associated with a set of recommended rule settings configured by a host monitoring system, wherein the recommended settings are provided to the remote monitor for acceptance or modification." Claim 13 contains similar subject matter. The Examiner admitted that the five previous references do "that the invitation is associated with a set of recommended settings that can be modified by the remote monitor." The Examiner states however, that the additional sixth and seventh references, *Fish* and *Thomas*, when combined with the five previous references render the claim obvious under 35 USC § 103.

As discussed regarding Claim 1, *Robertson*, *Killen, Valdes, Carnes,* and *Cohen* does not appear to teach or suggest a secure server making a first measurement at a first time based on data regarding the analyte state of the host to determine an event and sending a second message based on the time value supplied by the remote monitor (i.e., the same device receives the invitation, provides acceptance, modifies a rule defining the alert, modifies a rule varying a time value as to when the reminder message is sent thereby defining their own notification requirements based on the user of the same device's needs, and receiving a reminder only if the previous alert message was not acknowledged by the same device AND only if the event has not changed based on a second measurement of the data at a second time).

Fish and *Thomas* do not appear to cure the deficiencies of *Robertson*, *Killen*, *Valdes*, and *Hastings*. The abstract of *Fish* discloses:

> A user of an instant messaging system may store names of other users of the instant messaging system on a participant list (which

> may be referred to as a "buddy list"), and the names may be categorized into one or more groups. Similarly, a user of a mobile device, such as a mobile telephone, may store contact information about people on the mobile device. Information describing the on-line presence of the user within the instant messaging system or the geographic location of a mobile device, such as a mobile telephone associated with the user, may be disseminated to users on the participant list or to people on the contact list based on notification information that is associated with groups of users or contacts.

Fish does not appear to teach or suggest a secure server making a first measurement at a first time based on data regarding the analyte state of the host to determine an event and sending a second message based on the time value supplied by the remote monitor (i.e., the same device receives the invitation, provides acceptance, modifies a rule defining the alert, modifies a rule varying a time value as to when the reminder message is sent thereby defining their own notification requirements based on the user of the same device's needs, and receiving a reminder only if the previous alert message was not acknowledged by the same device and only if the event has not changed based on a second measurement of the data at a second time).

As stated in the previous response, *Thomas* is an odd reference from a non-analogous field. *Thomas* is directed to "systems and methods for latency-based synchronized [television] playback at multiple locations." *Thomas*, Title of Publication. For example, the Abstract of *Thomas* discloses:

> Embodiments provide methods and systems for synchronizing simultaneous media asset viewing for users at different geographical viewing locations. In some embodiments, a first user device receives a request to synchronize viewing of a media asset [e.g., a television program] with a second user device. If the first user device accepts the request for synchronized viewing, the first and second user devices receive the media asset from a common source. Control circuitry at the common source may determine the latencies to the first and second user devices. The transmission of the media asset to the first and second user devices is adjusted according to the latencies.

Paragraphs [0029] and [0030] of *Thomas* further describes that:

> many users desire a form of media guidance through an interface that allows users to efficiently navigate content selections and easily identify content that they may desire. An application that provides

Abbott Ex. 1002 - 375/848

> such guidance is referred to herein as an interactive media guidance application or, sometimes, a media guidance application or a guidance application.
>
> Interactive media guidance applications may take various forms depending on the content for which they provide guidance. One typical type of media guidance application is an interactive television program guide.

Like *Fish*, Applicant respectfully submits that *Thomas* does not appear to teach or suggest a secure server making a first measurement at a first time based on data regarding the analyte state of the host to determine an event and sending a second message based on the time value supplied by the remote monitor (i.e., the same device receives the invitation, provides acceptance, modifies a rule defining the alert, modifies a rule varying a time value as to when the reminder message is sent thereby defining their own notification requirements based on the user of the same device's needs, and receiving a reminder only if the previous alert message was not acknowledged by the same device and only if the event has not changed based on a second measurement of the data at a second time).

For at least these reasons, as well as the reasons discussed regarding Claims 1 and 8, Applicant respectfully requests that the rejections to Claims 6 and 13 be withdrawn.

IV. The Examiner rejected Claims 7 and 14 under pre-AIA 35 U.S.C. § 103(a) as being unpatentable over *Robertson*, *Killen, Valdes, Carnes,* and *Cohen* as applied to Claims 1 and 8 and further in view of U.S. Patent Publication No. 2013/0159456 to Daoud (hereinafter referred to as *Daoud*).

Regarding Claims 7 and 14, the claims rely on independent Claims 1 and 8, respectively. As discussed regarding Claim 1, *Robertson*, *Killen, Valdes, Carnes,* and *Cohen* does not appear to teach or suggest a secure server making a first measurement at a first time based on data regarding the analyte state of the host to determine an event and sending a second message based on the time value supplied by the remote monitor (i.e., the same device receives the invitation, provides acceptance, modifies a rule defining the alert, modifies a rule varying a time value as to when the reminder message is sent thereby defining their own notification requirements based on the user of the same device's needs, and receiving a reminder only if the previous alert message was not

Abbott Ex. 1002 - 376/848

acknowledged by the same device and only if the event has not changed based on a second measurement of the data at a second time).

Daoud does not appear to cure the deficiencies of *Robertson*, *Killen, Valdes, Carnes,* and *Cohen*. *Daoud* discloses "stored data is accessed over a computer network through a network data manager. Data may be stored and transferred to the network data manager from a product device using an uploader application. In one aspect, a request message containing an access request or identifier is received at the network data manager from a client device for access to a data storage facility." *Daoud*, Abstract. In paragraph [0081], *Daoud* discloses that an "invitation message [is] sent by the network data manager and received by the invitee is illustrated in FIG. 24, which is a screenshot of the invitation message 2402. Upon sending the invitation from either of the windows 2002 or 2102, the third party who receives the invitation to share data may reply to the message and become authorized to share data."

Like *Fish* and *Thomas*, Applicant respectfully submits that *Daoud* does not appear to teach or suggest a secure server making a first measurement at a first time based on data regarding the analyte state of the host to determine an event and sending a second message based on the time value supplied by the remote monitor (i.e., the same device receives the invitation, provides acceptance, modifies a rule defining the alert, modifies a rule varying a time value as to when the reminder message is sent thereby defining their own notification requirements based on the user of the same device's needs, and receiving a reminder only if the previous alert message was not acknowledged by the same device and only if the event has not changed based on a second measurement of the data at a second time).

For at least these reasons, as well as the reasons discussed regarding Claims 1 and 8, Applicant respectfully requests that the rejections to Claims 7 and 14 be withdrawn.

Abbott Ex. 1002 - 377/848

CONCLUSION

Applicant has properly and fully addressed each of the Examiner's grounds for objection and rejection. If the Examiner has any questions or believes further discussion will aid examination and advance prosecution of the application, a telephone call to the undersigned is invited.

Please charge any fees due in connection with this Amendment and Response to our Deposit Account 11-1410.

Respectfully submitted,

Date: November 2, 2018

By: /Rose M. Thiessen/
Rose M. Thiessen
Registration No. 40,202
Attorney of Record
Customer No. 68851
(858) 707-4000

30460933

Abbott Ex. 1002 - 378/848

AMENDMENTS TO THE CLAIMS

Without prejudice or surrender of any subject matter, this listing of claims will replace all prior versions and listings of claims in the application:

1. **(Currently Amended)** A method comprising:

receiving, at a remote monitor, an invitation to access a secure server and data associated with a receiver monitoring an analyte state of a host;

providing, from the remote monitor to the secure server, an acceptance to the invitation;

modifying, by the remote monitor, a rule defining an alert representative of an event associated with the analyte state of the host, the event being determined by the secure server based on a first measurement of the data received regarding the analyte state of the host at a first time, wherein the alert, when triggered at the first time, causes an alert message to be sent to the remote monitor from a server to notify the remote monitor of the event; and

modifying, by the remote monitor, a rule varying a time value as to when a reminder message is sent to the remote monitor after the alert message is sent to the remote monitor, the reminder message only being sent if the alert message has not been previously acknowledged by the remote monitor and only if the event associated with the analyte state of the host has not changed, based on a second measurement of the data at a second time, after the alert message was sent.

2. **(Previously Presented)** The method of claim 1, wherein the modifying the rule defining the alert comprises varying a first threshold associated with a low level of glucose at the host.

3. **(Previously Presented)** The method of claim 1, wherein the modifying the rule defining the alert comprises varying a second threshold associated with a high level of glucose at the host.

4. **(Previously Presented)** The method of claim 1, further comprising modifying a rule varying a delay between when a notification message is sent to the receiver and the alert message is sent to the remote monitor.

5. **(Cancelled)**

Abbott Ex. 1002 - 379/848

6. **(Original)** The method of claim 1, wherein the invitation is associated with a set of recommended rule settings configured by a host monitoring system, wherein the recommended settings are provided to the remote monitor for acceptance or modification.

7. **(Previously Presented)** The method of claim 1, wherein accepting the invitation programically establishes an account associated with the remote monitor at the server.

8. **(Currently Amended)** An apparatus for remote monitoring of a hosts analyte levels, the apparatus comprising:

at least one processor; and

at least one memory including code, which when executed by the at least one processor causes the apparatus to:

receive an invitation to access a secure server and data associated with a receiver monitoring an analyte state of a host;

provide to the secure server an acceptance to the invitation;

modify a rule defining an alert representative of an event associated with the analyte state of the host, the event being determined by the secure server based on a first measurement of the data received regarding the analyte state of the host at a first time, wherein the alert, when triggered at the first time, causes an alert message to be sent to the apparatus from a server to notify the apparatus of the event; and

modify a rule varying a time value as to when a reminder message is sent to the apparatus after the alert message is sent, the reminder message only being sent if the alert message has not been previously acknowledged by the apparatus and only if the event associated with the analyte state of the host has not changed , based on a second measurement of the data at a second time, after the alert message was sent.

9. **(Previously Presented)** The apparatus of claim 8, wherein the modifying the rule defining the alert comprises varying a first threshold associated with a low level of glucose at the host.

10. **(Previously Presented)** The apparatus of claim 8, wherein the modifying the rule defining the alert comprises varying a second threshold associated with a high level of glucose at the host.

Abbott Ex. 1002 - 380/848

11. **(Previously Presented)** The apparatus of claim 8, wherein the code further causes the apparatus to modify a rule varying a delay between when a message is sent to the receiver and the alert message is sent to the apparatus.

12. **(Cancelled)**

13. **(Previously Presented)** The apparatus of claim 8, wherein the invitation is associated with a set of recommended rule settings configured by a host monitoring system, wherein the recommended settings are provided to the apparatus for acceptance or modification.

14. **(Previously Presented)** The apparatus of claim 8, wherein the apparatus is configured to accept the invitation responsive to user input at the apparatus, wherein accepting the invitation programically establishes an account associated with the apparatus at the server.

15. **(Previously Presented)** The method of claim 1, wherein providing the acceptance to the invitation occurs after modifying the rule varying the time value as to when a reminder message is sent to the remote monitor after the alert message is sent to the remote monitor.

16. **(Previously Presented)** The method of claim 1, wherein providing the acceptance to the invitation occurs after modifying the rule varying the time value as to when a reminder message is sent to the remote monitor after the alert message is sent to the remote monitor.

Abbott Ex. 1002 - 381/848

PTO/SB/08a (07-09)
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.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 1

Complete if Known	
Application Number	15/617977
Filing Date	06/08/2017
First Named Inventor	Mensinger, Michael Robert
Art Unit	2658
Examiner Name	BALSECA, Franklin D.
Attorney Docket Number	225C9

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	US- 9079033	07-14-2015	Kuenzler et al.	
	2	US- 2011-0184268	07-28-2011	Taub, Mark Barry	
		US-			
		US-			
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3]-Number[4]-Kind Code[5] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T[6]
	1	JP 2006-21031A	01-26-2006	Nipro Corporation		
	2	WO 2008-057951	05-15-2008	RIC Investments, Inc.		

Examiner Signature		Date Considered	

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

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

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Electronic Patent Application Fee Transmittal

Application Number:	15617977
Filing Date:	08-Jun-2017
Title of Invention:	REMOTE MONITORING OF ANALYTE MEASUREMENTS
First Named Inventor/Applicant Name:	Michael Robert Mensinger
Filer:	Rose M. Thiessen
Attorney Docket Number:	DEXCOM.225C3

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($)
Miscellaneous:				
SUBMISSION- INFORMATION DISCLOSURE STMT	1806	1	240	240
		Total in USD ($)		**240**

Electronic Acknowledgement Receipt

EFS ID:	35932193
Application Number:	15617977
International Application Number:	
Confirmation Number:	8138
Title of Invention:	REMOTE MONITORING OF ANALYTE MEASUREMENTS
First Named Inventor/Applicant Name:	Michael Robert Mensinger
Customer Number:	68851
Filer:	Rose M. Thiessen/Wendi Manzanares
Filer Authorized By:	Rose M. Thiessen
Attorney Docket Number:	DEXCOM.225C3
Receipt Date:	06-MAY-2019
Filing Date:	08-JUN-2017
Time Stamp:	20:53:16
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	$240
RAM confirmation Number	050719INTEFSW20534500
Deposit Account	111410
Authorized User	Wendi Manzanares

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

37 CFR 1.16 (National application filing, search, and examination fees)

37 CFR 1.17 (Patent application and reexamination processing fees)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Transmittal Letter	transmittal.pdf	86478 682fd348949c095a94bed6ac033b0d1905a7d1ca	no	2
Warnings:					
Information:					
2	Information Disclosure Statement (IDS) Form (SB08)	225C9.pdf	102968 331888f78c9088a882194cb4434ecf79fe399c28	no	1
Warnings:					
Information:					
This is not an USPTO supplied IDS fillable form					
3	Foreign Reference	wo.pdf	18773172 d47cfc612aa133225f77c8044975a021cee69ceb	no	137
Warnings:					
Information:					
4	Foreign Reference	JP.pdf	99834 36f17dcf174c88e6aa62615ab0379eff0b602f36	no	2
Warnings:					
Information:					
5	Fee Worksheet (SB06)	fee-info.pdf	30508 88af5ee0ffb64abe85f57ffc588d3abcd11c4da9	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	19092960		

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.

INFORMATION DISCLOSURE STATEMENT

First Inventor	:	Michael Robert Mensinger
App. No.	:	15/617977
Filed	:	June 8, 2017
For	:	REMOTE MONITORING OF ANALYTE MEASUREMENTS
Examiner	:	Balseca, Franklin D.
Art Unit	:	2685
Conf. No.	:	8138

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

References and Listing

Pursuant to 37 CFR 1.56, an Information Disclosure Statement listing references is provided herewith. Copies of any listed foreign and non-patent literature references are being submitted. Any foreign references may also include English abstract(s) and/or machine translation(s), but no representation is made as to their accuracy.

If the Examiner would like additional information regarding these references or if anything is unclear, the Examiner is invited to contact the undersigned for assistance.

No Disclaimers

To the extent that anything in the Information Disclosure Statement or the listed references could be construed as a disclaimer of any subject matter supported by the present application, Applicant hereby rescinds and retracts such disclaimer.

Timing of Disclosure

This Information Disclosure Statement is being filed after receipt of a First Office Action, but before the mailing date of a Final Action and before the mailing date of a Notice of Allowance.

This Statement is accompanied by the fees set forth in 37 CFR 1.17(p). The Commissioner is hereby authorized to charge any additional fees which may be required or to credit any overpayment to Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: May 6, 2019

By: /Rose M. Thiessen/
Rose M. Thiessen
Registration No. 40,202
Registered Practitioner
Customer No. 68851
(858) 707-4000

IDS

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/617,977	06/08/2017	Michael Robert Mensinger	DEXCOM.225C3	8138

68851 7590 08/12/2019

KNOBBE, MARTENS, OLSON & BEAR, LLP
DEXCOM, INC.
2040 MAIN STREET
FOURTEENTH FLOOR
IRVINE, CA 92614

EXAMINER	
BALSECA, FRANKLIN D	

ART UNIT	PAPER NUMBER
2685	

NOTIFICATION DATE	DELIVERY MODE
08/12/2019	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):

efiling@knobbe.com
jayna.cartee@knobbe.com

Office Action Summary	Application No. 15/617,977	Applicant(s) Mensinger et al.	
	Examiner FRANKLIN D BALSECA	Art Unit 2685	AIA (FITF) Status No

-- 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 06 May 2019.

☐ 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) 1-4,6-11 and 13-16 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) 1-4,6-11 and 13-16 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: _____.

Detailed Action

Response to Arguments

1. Applicant's arguments with respect to claim(s) 1 and 8 has/have been considered but are moot in view of new ground(s) of rejection necessitated by the amendments.

Claim Rejections - 35 USC § 103

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

> (a) A patent may not be obtained through the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

2. Claim(s) 1-3, 8-10, 15 and 16 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Robertson et al. (US-2013/0117696) in view of Killen et al (US-2012/0136221), Valdes et al. (US-2012/0108934), Carnes (US-8,912,897) and Manahan et al. (US-8,821,622).

In regards to claim 1, Robertson teaches a method comprising the step of receiving, at a remote monitor, an invitation to access a secure server and data associated with a receiver monitoring physiological state of a host [fig. 1 elements 108 (receiver) and 122 (secure server), fig. 8 (remote monitor accessing data), fig. 31 (invitation), par. 0101 L. 1-14, par. 0106 L. 18-25]. Furthermore, Robertson teaches

that the method comprises the step of providing, from the remote monitor to the secure server, an acceptance to the invitation [par. 0106 L. 24-31].

Robertson does not teach the step of modifying, by the remote monitor, a rule defining an alert.

On the other hand, Killen teaches accessing data about a physiological state of a host in a secure server by a remote monitor [fig. 1 element 8]. Killen further teaches that physiological data that is monitored can be glucose (analyte state of a host) [par. 0184 L. 7-10]. Killen further teaches modifying, by the remote monitor, a rule defining an alert representative of an event associated with the analyte state of the host, the event being determined by the secure server based on a first measurement of the data received regarding the state of the host at a first time, wherein the alert, when triggered at the first time, causes an alert message to be sent to the remote monitor from a server to notify the remote monitor of the event [fig. A72, par. 0143 L. 4-10, par. 0154].

It would have been obvious to one of ordinary skill in the art, at the time of the invention, to use Killen's teachings of modifying rules to generate alerts about the monitored parameter in the method taught by Robertson because it will permit the remote monitoring device to monitor other physiological data such as blood glucose and receive notifications when an abnormal condition is detected by the server.

The combination of Robertson and Killen does not teach that the analyte data is monitored by the receiver.

On the other hand, Valdes teaches that the analyte data can be also monitored by the receiver which will then transmit the data to the server [fig. 1, par. 0089].

It would have been obvious to one of ordinary skill in the art, at the time of the invention, to use Valdes's teachings of using a receiver to transmit the data to the server in the method taught by the combination because it will permit the system monitor the analyte state of a host continuously.

The combination of Robertson, Killen and Valdes teaches that a user can use the remote monitor to modify alert rules [see Killen fig. A72, par. 0143 L. 4-10, par. 0154]. However, the combination does not teach that the alert rules includes a time value of when a reminder message is sent to the remote monitor.

On the other hand, Carnes teaches that the user can modify a rule varying a time as to when a reminder message is sent to the remote monitor [col. 9 L. 9-13]. Carnes further teaches that the reminder message is only sent if the alert message has not been previously acknowledged [col. 9 L. 9-13].

It would have been obvious to one of ordinary skill in the art, at the time of the invention, to use Carnes's teachings of setting a time to send a reminder message in the method taught by the combination because it will permit the user of the remote monitor to configure the time a reminder message is sent and to prevent that alerts are left unattended.

The combination of Robertson, Killen, Valdes and Carnes does not teach that the reminder message is sent only if the event associated with monitored condition has not changed after the alert message was sent.

On the other hand, Manahan teaches that a system, monitoring measurements of a sensor, can send a notification of an event to a user device based on a first measurement taken at a first time by the sensor [col. 13 L. 33-37, col. 14 L. 6-14 and L.

31-40]. Furthermore, Manahan teaches that the notification of the event is transmitted again until the parameter sensed by the sensor returns to a normal level [col. 23 L. 23-26]. The aforementioned teaching means that the system continues to receive measurements at a second time and will transmit the notification again (reminder) only if the sensed parameter has not changed, based on the second measurement of the data at the second time, after the alert message was sent.

It would have been obvious to one of ordinary skill in the art, at the time of the invention, to use Manahan's teachings of transmitting alert (reminder) until the second measurement is back to normal in the method taught by the combination because it will permit the system to remind the remote monitoring device that an alert condition exist, which in this case is associated with the analyte state of the host, and to know when the state of the host has returned to normal.

In regards to claims 2 and 3, the combination of Robertson, Killen, Valdes, Carnes and Manahan, as applied in claim 1 above, further teaches that modifying the rule defining the alert comprises varying a first and a second threshold values associated with the monitored physiological parameter [see Killen fig. A72, par. 0143 L. 4-10, par. 0154]. Furthermore, the combination teaches that when glucose is being monitored the threshold values can be associated with low level of glucose of the host and a high level glucose of the host [see Valdes par. 0048].

It would have been obvious to one of ordinary skill in the art, at the time of the invention, to use Valdes's teachings in the method taught by the combination because

associating rules with high and low glucose values will permit the use to be aware when the host is hypoglycemic or hyperglycemic.

In regards to claim 8, the combination of Robertson, Killen, Valdes, Carnes and Manahan, as shown in claim 1 above, teaches the claimed limitations. The combination further teaches that the remote monitor further comprises at least one processor; and at least one memory including code, which when executed by the at least one processor causes the apparatus to perform the method [see Robertson par. 0008 L. 6-7, par. 0102 L. 1-3, par. 0106 L. 24-25, par. 0147, par. 0155 L. 1-5, see Killen fig. 2].

In regards to claims 9 and 10, the combination of Robertson, Killen, Valdes, Carnes and Manahan, as shown in claims 2 and 3 above, teaches the claimed limitations.

In regards to claims 15 and 16, the combination of Robertson, Killen, Valdes, Carnes and Manahan, as applied in claims 1 and 8 above, further teaches that the user of the remote monitor can accept the invitation and also modify the rule varying the time value [see Robertson par. 0106 L. 24-25, see Carnes col. 9 L. 6-13]. The combination does not teach that the user accepts the invitation after modifying the rule varying the time value. However, one of ordinary skill in the art would have modified the method taught by the combination so the user can modify the claimed rule before accepting the invitation because this will permit the user to set up the rules and send them together with the acceptance of the invitation in a single message.

3. Claim(s) 4 and 11 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Robertson et al. (US-2013/0117696) in view of Killen et al (US-2012/0136221), Valdes et al. (US-2012/0108934), Carnes (US-8,912,897) and Manahan et al. (US-8,821,622) as applied to claims 1 and 8 above, and further in view of Hastings (US-2005/0148890).

In regards to claim 4, the combination of Robertson, Killen, Valdes, Carnes and Manahan, as applied in claim 1 above , teaches that a notification can be sent to the receiver and the alert message to the remote monitor [see Robertson fig. 4 (alert message) fig. 106 (notification), par. 0096 L. 1-6, par. 0223 L. 1-4]. However, the combination does not teach that modifying the rule comprises varying a delay between when the message is sent to the receiver and a notification message is sent to the remote monitor.

On the other hand, Hastings teaches a method to receive alerts at a remote monitor where the user of the remote monitor can select the time when the alert is received at the remote monitor [par. 0178 L. 1-4, par. 0179 L. 12-14]. This means that the method comprises the step of varying a delay between when a notification message is sent to the receiver and an alert message is sent to the remote monitor because the user of the remote monitor can decide when to receive the alert message.

It would have been obvious to one of ordinary skill in the art, at the time of the invention, to use Hastings' teachings of letting the user to select the time when the notification is sent in the method taught by the combination because it will permit the user of the remote monitor device to decide when to receive the notification.

In regards to claim 11, the combination of Robertson, Killen, Valdes, Carnes, Manahan and Hastings, as shown in claim 4 above, teaches the claimed limitations.

4. Claim(s) 6 and 13 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Robertson et al. (US-2013/0117696) in view of Killen et al (US-2012/0136221), Valdes et al. (US-2012/0108934), Carnes (US-8,912,897) and Manahan et al. (US-8,821,622) as applied to claims 1 and 8 above, and further in view of Fish (US-2004/0243941) and Thomas et al. (US-2013/0173742).

In regards to claim 6, the combination of Robertson, Killen, Valdes, Carnes and Manahan, as applied in claim 1 above, does not teach that the invitation is associated with a set of recommended settings that can be modified by the remote monitor.

On the other hand, Fish teaches the concept that a host can authorize a user to modify notification rule settings [par. 0082 L. 1-12]. This means that a host can configure notification rule settings (set of recommended rule settings) and later authorize a remote monitor to modify and/or accept those rules.

It would have been obvious to one of ordinary skill in the art, at the time of the invention, to use Fish's teachings of authorizing a user to modify the rules in the method taught by the combination because it will permit the host to decide whether or not the remote monitor is authorized to modify the notification rule settings.

The combination of Robertson, Killen, Valdes, Carnes, Manahan and Fish does not teach that the set of recommended settings are included with the invitation.

On the other hand, Thomas teaches the concept that when a host in a system invites another user, the invitation will include settings established by the host and that the invitee can accept or modify [par. 0088 L. 1-5, par. 0091 L. 1-5, par. 0092 L. 15-21].

It would have been obvious to one of ordinary skill in the art, at the time of the invention, to use Thomas' teachings of including the rules with the invitation in the method taught by the combination because it will permit the system to send the rule settings and the invitation in a single message and reduce traffic in the system.

In regards to claim 13, the combination of Robertson, Killen, Valdes, Carnes, Manahan, Fish and Thomas, as shown in claim 6 above, teaches the claimed limitations.

5. Claim(s) 7 and 14 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Robertson et al. (US-2013/0117696) in view of Killen et al (US-2012/0136221), Valdes et al. (US-2012/0108934), Carnes (US-8,912,897) and Manahan et al. (US-8,821,622)as applied to claims 1 and 8 above, and further in view of Daoud et al. (US-2013/0159456)

In regards to claim 7, the combination of Robertson, Killen, Valdes, Carnes and Manahan, as applied in claim 1 above, teaches that the user of the remote device can accept the invitation [see Robertson par. 0106 L. 24-25]. However, the combination does not explicitly state that an account is created when accepting the invitation.

On the other hand, Daoud teaches that accepting the invitation programically establishes an account associated with the remote monitor at the server [fig. 24 element 2404, par. 0038 L. 8-15, par. 0081 L. 29-36].

It would have been obvious to one of ordinary skill in the art, at the time of the invention, to use Daoud' teachings of creating an account when the invitation is accepted in the method taught by the combination because it will permit the user of the remote device to create an account when an invitation is received for the first time in order the user can access the data at the server securely whenever the user desires.

In regards to claim 14, the combination of Robertson, Killen, Valdes, Carnes, Manahan and Daoud, as shown in claim 7 above, teaches the claimed limitations.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). 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 date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to FRANKLIN D BALSECA whose telephone number is (571)270-5966. The examiner can normally be reached on 6AM-4PM EST M-F.

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, Hai Phan can be reached on (571) 272-6338.

Information regarding the status of an application may be obtained from the Patent Application Retrieval (PAIR) system. Status information for published applications may be obtained from either 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. If you have questions on how to access to 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 US OR CANADA) or (571) 272-1000.

/FRANKLIN D BALSECA/
Examiner, Art Unit 2685

Notice of References Cited	Application/Control No. 15/617,977	Applicant(s)/Patent Under Reexamination Mensinger et al.	
	Examiner FRANKLIN D BALSECA	Art Unit 2685	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-8821622-B2	09-2014	Manahan; Joseph Michael	B01D46/46	96/417
	B					
	C					
	D					
	E					
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	H					
	I					
	J					
	K					
	L					
	M					

FOREIGN PATENT DOCUMENTS

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

NON-PATENT DOCUMENTS

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

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

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15/617,977	Mensinger et al.
	Examiner	Art Unit
	FRANKLIN D BALSECA	2685

✓	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	12/04/2017	06/22/2018	11/19/2018	08/06/2019					
	1	✓	✓	✓	✓					
	2	✓	✓	✓	✓					
	3	✓	✓	✓	✓					
	4	✓	✓	✓	✓					
	5	✓	-	-	-					
	6	✓	✓	✓	✓					
	7	✓	✓	✓	✓					
	8	✓	✓	✓	✓					
	9	✓	✓	✓	✓					
	10	✓	✓	✓	✓					
	11	✓	✓	✓	✓					
	12	✓	-	-	-					
	13	✓	✓	✓	✓					
	14	✓	✓	✓	✓					
	15		✓	✓	✓					
	16		✓	✓	✓					

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15/617,977	Mensinger et al.
	Examiner	Art Unit
	FRANKLIN D BALSECA	2685

CPC - Searched*		
Symbol	**Date**	**Examiner**
A61B5/ 0002,0004,0022,145,14532,7264,7282,742,743,746,0015,0024,02,7435 ,7465	12/04/2017	FB
G06F19/3418,30,32,34,3406,3487	12/04/2017	FB
H04L67/12	12/04/2017	FB
H04Q9/00	12/04/2017	FB
H04Q2209/00,10,40,50,82,823,826	12/04/2017	FB
Updated Search	06/21/2018	FB
Updated Search	11/19/2018	FB
Updated Search	08/06/2019	FB
G16H40/67,20,63	08/06/2019	FB
G16H20/40	08/06/2019	FB
G16H15/00	08/06/2019	FB
G16H50/70,20	08/06/2019	FB
H04Q2209/70	08/06/2019	FB

CPC Combination Sets - Searched*		
Symbol	**Date**	**Examiner**

US Classification - Searched*			
Class	**Subclass**	**Date**	**Examiner**

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

/FRANKLIN D BALSECA/ Examiner, Art Unit 2685	

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15/617,977	Mensinger et al.
	Examiner	Art Unit
	FRANKLIN D BALSECA	2685

Search Notes		
Search Notes	**Date**	**Examiner**
Inventor Search	12/04/2017	FB
East Search	12/04/2017	FB
A61B5/ 0002,0004,0022,145,14532,7264,7282,742,743,746,0015,0024,02,7435 ,7465 and text limited. See search history printout.	12/04/2017	FB
G06F19/3418,30,32,34,3406,3487 and text limited. See search history printout.	12/04/2017	FB
H04L67/12 and text limited. See search history printout.	12/04/2017	FB
H04Q9/00 and text limited. See search history printout.	12/04/2017	FB
H04Q2209/00,10,40,50,82,823,826 and text limited. See search history printout.	12/04/2017	FB
Updated East and text limited class search	06/21/2018	FB
Updated East and text limited class search	11/19/2018	FB
Updated East and text limited class search	08/06/2019	FB
G16H40/67,20,63 and text limited. See search history printout.	08/06/2019	FB
G16H20/40 and text limited. See search history printout.	08/06/2019	FB
G16H15/00 and text limited. See search history printout.	08/06/2019	FB
G16H50/70,20 and text limited. See search history printout.	08/06/2019	FB
H04Q2209/70 and text limited. See search history printout.	08/06/2019	FB

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

/FRANKLIN D BALSECA/ Examiner, Art Unit 2685	

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	117	(US-20140088392-$ or US-20120245447-$ or US-20120108934-$ or US-20110320130-$ or US-20110213225-$ or US-20140121488-$ or US-20130117696-$ or US-20120136221-$ or US-20130116526-$ or US-20130159456-$ or US-20050148890-$ or US-20040243941-$ or US-20130173742-$ or US-20050165627-$ or US-20150019231-$ or US-20140206976-$ or US-20130116578-$ or US-20130095459-$ or US-20130013327-$ or US-20080077435-$ or US-20120289787-$ or US-20120277543-$ or US-20080157980-$ or US-20110161111-$ or US-20090088607-$ or US-20060293570-$).did. or (US-20060089542-$ or US-20090062696-$ or US-20110295127-$ or US-20110270347-$ or US-20160079787-$ or US-20090309756-$).did. or (US-9585563-$ or US-9730621-$ or US-8005546-$ or US-8653965-$ or US-8517941-$ or US-5648917-$).did. or (US-20050148890-$ or US-20080208069-$ or US-20020008625-$ or US-20100013639-$ or US-20120209088-$ or US-20080119710-$).did. or (US-9019106-$ or US-8364221-$ or US-6492901-$ or US-4688183-$ or US-7221282-$ or US-7528711-$ or US-7729202-$ or US-6847892-$ or US-8803683-$ or US-8912897-$).did. or (US-20070153993-$ or US-20130159039-$ or US-20110071765-$).did. or (US-6492901-$ or US-6522754-$ or US-8121861-$ or US-6992590-$).did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/06 09:41
L2	130200	(analyte or glucose or physiological) near5 (measurement or data)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/06 09:43
L3	0	L2 and (((stop$4 or ceas$4 or end$3 or discontinu$4) near5 (transmit$4 or send$4 or sent or receiv$4) near5 reminder) same ((measuremnt or value) near5 normal))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/06 09:48
L4	0	L2 and (((stop$4 or ceas$4 or end$3 or discontinu$4) near5 (transmit$4 or send$4 or sent or receiv$4) near5 reminder) same ((measurement or value) near5 normal))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/06 09:49
L5	0	(sensor near5 (data or measurement)) and (((stop$4 or ceas$4 or end$3 or discontinu$4) near5 (transmit$4 or send$4 or sent or receiv$4) near5 reminder) same ((measurement or value) near5 normal))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/06 09:52
L6	0	(((stop$4 or ceas$4 or end$3 or discontinu$4) near5 (transmit$4 or send$4 or sent or receiv$4) near5 reminder) same ((measurement or value) near5 normal))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/06 09:53
L7	0	(((stop$4 or ceas$4 or discontinu$4) near5 (transmit$4 or send$4 or sent or receiv$4) near5 reminder) same ((measurement or value) near5 normal))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/06 09:54
L8	0	(((stop$4 or ceas$4 or discontinu$4) near5 (transmit$4 or send$4 or sent or receiv$4) near5 reminder) same ((measurement or value or condition) near5 normal))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/06 09:54
L9	146	((stop$4 or ceas$4 or discontinu$4) near5 (transmit$4 or send$4 or sent or receiv$4)	US-PGPUB;	OR	ON	2019/08/06

Abbott Ex. 1002 - 407/848

		near5 reminder)	USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			09:55
L10	146	((stop$4 or ceas$4 or discontinu$4 or stop$4) near5 (transmit$4 or send$4 or sent or receiv$4) near5 reminder)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/06 09:55
L11	55	L10 and @ay<="2012"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/06 09:58
L12	25096	H04Q9/00.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/06 10:15
L13	10256	H04Q2209/00,10,40,50,82,823,826.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/06 10:15
L14	25836	L12 or L13	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/06 10:15
L15	2049	L14 and ((transmit$4 or send4 or sent or receiv$4) near5 (alert or alarm or notification))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/06 10:16
L16	77	L15 and ((stop$4 or ceas$4 or discontinu$4 or stop$4) near5 (transmit$4 or send$4 or sent or receiv$4) near5 (reminder or alarm or lert or notification or message))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/06 10:17
L17	81	L15 and ((stop$4 or ceas$4 or discontinu$4 or stop$4) near5 (transmit$4 or send$4 or sent or receiv$4) near5 (reminder or alarm or alert or notification or message))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/06 10:18
L18	14	L17 and @ay<="2012"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/06 10:20
L19	2675	(stop$4 or ceas$4 or discontinu$4 or stop$4) near5 (((transmit$4 or send$4 or sent or receiv$4) near5 reminder)) or ((retransmit$4 or resend$4) near5 (alert or alarm or notification))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/06 10:35
L20	16	L19 same ((measurement or value or data) near5 normal)	US-PGPUB;	OR	ON	2019/08/06

			USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			10:36
L21	178	(stop$4 or ceas$4 or discontinu$4 or stop$4) near5 (((transmit$4 or send$4 or sent or receiv$4) near5 reminder) or ((retransmit$4 or resend$4) near5 (alert or alarm or notification)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/06 10:41
L22	73	L21 and @ay<="2012"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/06 10:41
L23	25361	(((transmit$4 or send$4 or sent or receiv$4) near5 reminder) or ((retransmit$4 or resend$4) near5 (alert or alarm or notification)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/06 10:57
L24	25581	(((transmit$4 or send$4 or sent or receiv$4) near5 reminder) or ((retransmit$4 or resend$4 or resent) near5 (alert or alarm or notification)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/06 10:57
L25	87	L24 same ((measuerment or value or condition or event) near5 normal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/06 10:58
L26	110	L24 same ((measuerment or value or condition or event or data) near5 normal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/06 10:59
L27	115	L24 same ((measurement or value or condition or event or data) near5 normal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/06 10:59
L28	0	L24 same ((abnormal or anomalous) near5 (condition or event) near5 (continu$4 or present))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/06 11:30
L29	0	L24 same ((abnormal or anomalous) near5 (condition or event or state) near5 (continu$4 or present))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/06 11:32
L30	0	L19 same ((abnormal or anomalous) near5 (condition or event or state) near5 (continu$4 or present))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/06 11:34
L31	0	L24 same ((abnormal or anomalous or anomaly) near5 (continu$4 or present))	US-PGPUB;	OR	ON	2019/08/06

			USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			11:34
L32	0	L19 same ((abnormal or anomalous or anomaly) near5 (continu$4 or present))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/06 11:39
L33	0	L19 same ((abnormal or anomalous or anomaly) near5 (continu$4 or present or remain$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/06 11:49
L34	0	L19 same ((abnormal or anomalous or anomaly) near5 (continu$4 or present or remain$4 or persist$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/06 12:30
L35	2	L19 same2 ((abnormal or anomalous or anomaly) near5 (continu$4 or present or remain$4 or persist$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/06 12:30
L36	5	L24 same2 ((abnormal or anomalous or anomaly) near5 (continu$4 or present or remain$4 or persist$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/06 12:31
L37	28	L24 same ((continu$4 or remain$4 or persist$4) near5 (greater or above or below or lower) near5 threshold)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/06 12:41
L38	0	19 same ((continu$4 or remain$4 or persist$4) near5 (greater or above or below or lower) near5 threshold)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/06 12:43
L39	0	L19 same ((continu$4 or remain$4 or persist$4) near5 (greater or above or below or lower) near5 threshold)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/06 12:43
L40	46	L19 same ((greater or above or below or lower) near5 threshold)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/06 12:45
L41	321	L24 same ((greater or above or below or lower) near5 threshold)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/06 12:53
L42	91	L41 and @ay<="2012"	US-PGPUB;	OR	ON	2019/08/06

			USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			12:55
L43	3	L21 same ((greater or above or below or lower) near5 threshold)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/06 13:07
L44	4	L21 same ((measurement or level or value) near5 normal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/06 13:09
L45	31	L24 same ((measurement or level or value) near5 normal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/06 13:10
L46	134147	A61B5/0002,0004,0022,145,14532,7264,7282,742,743,746,0015,0024,02,7435,7465.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/06 13:14
L47	38775	G06F19/3418,30,32,34,3406,3487.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/06 13:14
L48	61673	H04L67/12.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/06 13:14
L49	56614	G16H40/67,20,63.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/06 13:16
L51	6697	G16H20/40.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/06 13:18
L52	13346	G16H15/00.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/06 13:19
L53	33225	G16H50/70,20.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/06 13:19
L54	149	H04Q2209/70.cpc.	US-PGPUB;	OR	ON	2019/08/06

Abbott Ex. 1002 - 411/848

			USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			13:20
L55	242084	L46 or L47 or L49 or L51 or L52 or L53 or L54 or L12 or L13	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/06 13:21
L56	28	L21 and L55	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/06 13:21
L57	2312	L24 and L55	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/06 13:24
L58	0	(L24 same (fault)) and L55	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/06 13:24
L59	85	(L24 same (fault or abnormal or normal or anomaly or anomalous)) and L55	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/06 13:24
L60	16436	(continu$4 or until) near5 (transmit$4 or send$4 or sent or receiv$4) near5 (alert or alarm or notification or reminder)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/06 13:57
L61	49	L60 same ((measurement or level or value) near5 normal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/06 13:57
L62	110	L60 same ((measurement or level or value or condition) near5 normal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2019/08/06 13:58

EAST Search History (Interference)

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8/6/2019 3:56:26 PM
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PTO/SB/08a (07-09)
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 1

Complete if Known	
Application Number	15/617977
Filing Date	06/08/2017
First Named Inventor	Mensinger, Michael Robert
Art Unit	2658
Examiner Name	BALSECA, Franklin D.
Attorney Docket Number	225C9

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	US- 9079033	07-14-2015	Kuenzler et al.	
	2	US- 2011-0184268	07-28-2011	Taub, Mark Barry	
		US-			
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3]-Number[4]-Kind Code[5] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T[6]
	1	JP 2006-21031A	01-26-2006	Nipro Corporation		
	2	WO 2008-057951	05-15-2008	RIC Investments, Inc.		

Examiner Signature	/FRANKLIN D BALSECA/	Date Considered	08/06/2019

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

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time 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, 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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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /F.D.B/

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Michael Robert Mensinger	Examiner: Balseca, Franklin D.
Serial No.: 15/617,977	Art Unit: 2685
Filed: June 8, 2017	Conf. No.: 8138
Title: Remote Monitoring of Analyte Measurements	

AMENDMENT AFTER FINAL

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

Dear Sir:

In response the Office Action Made Final mailed August 12, 2019 (hereinafter referred to as the *Office Action*), Applicant respectfully requests withdrawal of the outstanding rejections in light of the amendments and remarks herein.

Amendments to the Claims begin on page 2.

Remarks begin on page 5.

Abbott Ex. 1002 - 414/848

AMENDMENTS TO THE CLAIMS

Without prejudice or surrender of any subject matter, this listing of claims will replace all prior versions and listings of claims in the application:

1. (Previously Presented) A method comprising:

receiving, at a remote monitor, an invitation to access a secure server and data associated with a receiver monitoring an analyte state of a host;

providing, from the remote monitor to the secure server, an acceptance to the invitation;

modifying, by the remote monitor, a rule defining an alert representative of an event associated with the analyte state of the host, the event being determined by the secure server based on a first measurement of the data received regarding the analyte state of the host at a first time, wherein the alert, when triggered at the first time, causes an alert message to be sent to the remote monitor from a server to notify the remote monitor of the event; and

modifying, by the remote monitor, a rule varying a time value as to when a reminder message is sent to the remote monitor after the alert message is sent to the remote monitor, the reminder message only being sent if the alert message has not been previously acknowledged by the remote monitor and only if the event associated with the analyte state of the host has not changed, based on a second measurement of the data at a second time, after the alert message was sent.

2. (Previously Presented) The method of claim 1, wherein the modifying the rule defining the alert comprises varying a first threshold associated with a low level of glucose at the host.

3. (Previously Presented) The method of claim 1, wherein the modifying the rule defining the alert comprises varying a second threshold associated with a high level of glucose at the host.

4. (Previously Presented) The method of claim 1, further comprising modifying a rule varying a delay between when a notification message is sent to the receiver and the alert message is sent to the remote monitor.

5. (Cancelled)

Abbott Ex. 1002 - 415/848

6. (Original) The method of claim 1, wherein the invitation is associated with a set of recommended rule settings configured by a host monitoring system, wherein the recommended settings are provided to the remote monitor for acceptance or modification.

7. (Previously Presented) The method of claim 1, wherein accepting the invitation programically establishes an account associated with the remote monitor at the server.

8. (**Currently Amended**) An apparatus for remote monitoring of a ~~hosts~~ host's analyte levels, the apparatus comprising:

at least one processor; and

at least one memory including code, which when executed by the at least one processor causes the apparatus to:

receive an invitation to access a secure server and data associated with a receiver monitoring an analyte state of a host;

provide to the secure server an acceptance to the invitation;

modify a rule defining an alert representative of an event associated with the analyte state of the host, the event being determined by the secure server based on a first measurement of the data received regarding the analyte state of the host at a first time, wherein the alert, when triggered at the first time, causes an alert message to be sent to the apparatus from a server to notify the apparatus of the event; and

modify a rule varying a time value as to when a reminder message is sent to the apparatus after the alert message is sent, the reminder message only being sent if the alert message has not been previously acknowledged by the apparatus and only if the event associated with the analyte state of the host has not changed, based on a second measurement of the data at a second time, after the alert message was sent.

9. (Previously Presented) The apparatus of claim 8, wherein the modifying the rule defining the alert comprises varying a first threshold associated with a low level of glucose at the host.

10. (Previously Presented) The apparatus of claim 8, wherein the modifying the rule defining the alert comprises varying a second threshold associated with a high level of glucose at the host.

Abbott Ex. 1002 - 416/848

11. (Previously Presented) The apparatus of claim 8, wherein the code further causes the apparatus to modify a rule varying a delay between when a message is sent to the receiver and the alert message is sent to the apparatus.

12. (Cancelled)

13. (Previously Presented) The apparatus of claim 8, wherein the invitation is associated with a set of recommended rule settings configured by a host monitoring system, wherein the recommended settings are provided to the apparatus for acceptance or modification.

14. (Previously Presented) The apparatus of claim 8, wherein the apparatus is configured to accept the invitation responsive to user input at the apparatus, wherein accepting the invitation programically establishes an account associated with the apparatus at the server.

15. (Previously Presented) The method of claim 1, wherein providing the acceptance to the invitation occurs after modifying the rule varying the time value as to when a reminder message is sent to the remote monitor after the alert message is sent to the remote monitor.

16. (Previously Presented) The method of claim 1, wherein providing the acceptance to the invitation occurs after modifying the rule varying the time value as to when a reminder message is sent to the remote monitor after the alert message is sent to the remote monitor.

Abbott Ex. 1002 - 417/848

REMARKS

Claims 1-4, 6-11, and 13-16 are pending and stand rejected. Claim 8 has been amended to correct a typographical error. Support for the amendment is found in the specification and claims as filed. By the following remarks, Applicant does not acquiesce to the propriety of any of the Examiner's objections or rejections and does not disclaim any subject matter to which Applicant is entitled. *Cf. Warner-Jenkinson Co. v. Hilton Davis Chem. Co.*, 41 U.S.P.Q. 2d 1865 (U.S. 1997). Cancellation and/or amendment of certain claims in this or any other response is not to be construed as a dedication to the public of any of the subject matter of the claims as previously presented, and Applicant reserves the ability to pursue the amended claims as filed, the canceled claims or similar claims in one or more continuing applications, e.g., continuation, divisional, or continuation-in-part applications.

Claim Rejections – 35 USC §103

I. The Examiner rejected Claims 1-3, 8-10, 15, and 16 under pre-AIA 35 U.S.C. § 103(a) as being unpatentable over:

U.S. Pat. Pub. No. 2013/0117696 to Robertson et al. (hereinafter referred to as *Robertson*), in view of
U.S. Pat. Pub. No. 2012/0136221 to Killen et al. (hereinafter referred to as *Killen*),
U.S. Pat. Pub. No. 2012/0108934 to Valdes et al. (hereinafter referred to as *Valdes*),
U.S. Pat. No. 8,912,897 to Carnes (hereinafter referred to as *Carnes*), and
U.S. Pat. No. 8,821,622 to Manahan et al. (hereinafter referred to as *Manahan*).

To maintain a proper rejection under 35 U.S.C. §103, the Examiner must meet four conditions to establish a *prima facie* case of obviousness. First, the Examiner must show that the prior art suggested to those of ordinary skill in the art that they should make the claimed composition or device or carry out the claimed process. Second, the Examiner must show that the prior art would have provided one of ordinary skill in the art with a reasonable expectation of success. Both the suggestion and the reasonable expectation of success must be adequately founded in the prior art and not in an Applicant's disclosure. Third, the prior art must teach or suggest all the claim limitations. *In re Vaeck,* 20 U.S.P.Q.2d 1438, 1442 (Fed. Cir. 1991). Fourth, if an obviousness rejection is based on some combination of prior art references, the Examiner must show a suggestion, teaching, or motivation to combine the prior art references ("the TSM test"). *In re Dembiczak,* 50 U.S.P.Q.2d 1614, 1617 (Fed. Cir. 1999). Following *KSR Int'l Co. v.*

Abbott Ex. 1002 - 418/848

Teleflex, Inc., this fourth prong of the *prima facie* obviousness analysis must not be applied in a rigid or formulaic way such that it becomes inconsistent with the more flexible approach of *Graham v. John Deere*, 383 U.S. 1, 17-18 (1966). 127 S. Ct. 1727 (2007). It must still be applied, however, as the TSM test captures the important insight that "a patent composed of several elements is not proved obvious merely by demonstrating that each of its elements was, independently, known in the prior art." *Id.* (citing *United States v. Adams*, 383 U.S. 39, 50-52 (1966)).

The limitations of Claim 1 are set forth above. The Office Action admits that "Robertson does not teach the step of modifying, by the remote monitor, a rule defining an alert," and instead relies on *Killen*, stating, "Killen teaches accessing data about a physiological state of a host in a secure server by a remote monitor," and further stating "Killen further teaches modifying, by the remote monitor, a rule defining an alert" and that "It would have been obvious to one of ordinary skill in the art, at the time of the invention, to use Killen's teachings of modifying rules to generate alerts about the monitored parameter in the method taught by Robertson because it will permit the remote monitoring device monitor other physiological data such as blood glucose and receive notifications when an abnormal condition is detected by the server."

Applicant respectfully disagrees with whether a person skilled in the art would be motivated to make the combination as suggested above and that the combination would result in what is recited in claim 1, for the reasons laid out below. First, Applicant disagrees that *Killen* in fact teaches "modifying, by a remote monitor, a rule defining an alert." *Killen* describes a system having a measuring device 6 and an analysis device 8. "The measuring device 6 is used by a hospital employee, such as a nurse, to periodically record a set of vital signs for one or more patients", medical practitioners then can "receive their messages using the analysis device 8, and decide how to react." See paragraphs 112 and 116 of *Killen*. In paragraphs 143 and 154 of *Killen* cited in the Office Action it is described that "a doctor may use the analysis device to set up a listening alert for a particular patient." Therefore, in *Killen*, the doctor is the only person setting rules for alerts and the patient does not have any input into the process because the system of *Killen* deals with a hospital environment. Therefore, at best, the "remote monitor" sets alert rules, but does not "modify" a rule.

Abbott Ex. 1002 - 419/848

In contrast, in *Robertson*, it is clearly stated that "the patient has complete control over what data the third party can view" and "the patient 106 can share data and what data can be shared with an invitee." See para 96 and 101 of Robertson. Therefore, *Killen* and *Robertson* deal with two separate environments, in *Killen* the patient has no control over what data is shared and the doctor is in control, wherein in *Robertson*, the patient has "complete control over what data the third party can view." In fact, a combination of *Robertson* with *Killen* as suggested by the Office Action, would render *Robertson* inoperable for its intended purpose as the patient would have no control, and instead the entire control would be given to the remote monitor.

Additionally, the Office Action asserts that the motivation to combine the two references is "because it will permit the remote monitoring device monitor other physiological data such as blood glucose and receive notifications when an abnormal condition is detected by the server." However, it is not clear to Applicant why this motivation would motivate the combination suggested above. To achieve " permit the remote monitoring device monitor other physiological data such as blood glucose and receive notifications when an abnormal condition is detected by the server," the teachings cited by the Office Action regarding modifying, by a remote monitor, a rules defining an alert, which the Applicant does not admit *Killen* teaches, need not be combined with *Robertson*, because to monitor other physiological data such as blood glucose and receive notifications when an abnormal condition is detected by the server in *Robertson*, there is no need for the remote monitor to modify rules defining an alert, and instead, it would be more likely that the patient would set the rules as described in *Robertson* because *Robertson* specifically requires that the patient be given "complete control over what data the third party can view."

None of the remaining references (*Valdes*, *Carnes*, *Manahan*) include teachings overcoming the deficiencies of Robertson and Killen as discussed above.

For at least these reasons, one of ordinary skill in the art would not have combined *Robertson* and *Killen* with those of *Valdes*, *Carnes*, and *Manahan* to arrive at the claimed features of Claim 1.

For at least these reasons, Applicant respectfully requests that the rejection to Claim 1, as well as the rejections to the claims that depend upon Claim 1, be withdrawn.

Abbott Ex. 1002 - 420/848

Regarding Claims 2 and 3, the claims depend upon Claim 1. For at least the reasons discussed regarding Claim 1, Applicant respectfully requests that the rejections to the claims be withdrawn.

Regarding Claim 8, the claim contains subject matter that is similar to that of Claim 1. For at least the reasons discussed with regard to Claim 1, Applicant respectfully requests that the rejection of Claim 8, as well as the rejections to the claims that depend upon Claim 8, be withdrawn.

Regarding Claims 9 and 10, the claims depend upon Claim 8. For at least the reasons discussed regarding Claims 1 and 8, Applicant respectfully requests that the rejections to the claims be withdrawn.

Regarding Claims 15 and 16, the claims depend upon Claim 1. For at least the reasons discussed regarding Claim 1, Applicant respectfully requests that the rejections to the claims be withdrawn.

II. The Examiner rejected Claims 4 and 11 under pre-AIA 35 U.S.C. § 103(a) as being unpatentable over *Robertson*, *Killen, Valdes*, *Carnes*, and *Manahan* as applied to Claims 1 and 8 and further in view of U.S. Pat. Pub. No. 2005/0148890 to Hastings (hereinafter referred to as *Hastings*).

Certain deficiencies in the teachings of *Robertson*, *Killen, Valdes*, *Carnes*, and *Manahan* are set forth above. *Hastings* includes no teachings overcoming these deficiencies. For at least this reason, as well as the reasons discussed regarding independent Claims 1 and 8, from which they rely, respectively, Applicant respectfully requests that the rejections to Claims 4 and 11 be withdrawn.

III. The Examiner rejected Claims 6 and 13 under pre-AIA 35 U.S.C. § 103(a) as being unpatentable over *Robertson*, *Killen, Valdes, Carnes,* and *Manahan* as applied to Claims 1 and 8 and further in view of U.S. Patent Publication No. 2004/0243941 to Fish (hereinafter referred to as *Fish*) and U.S. Patent Publication No. 2013/0173742 to Thomas (hereinafter referred to as *Thomas*).

Abbott Ex. 1002 - 421/848

Certain deficiencies in the teachings of *Robertson*, *Killen, Valdes*, *Carnes*, and *Manahan* are set forth above. *Fish* and *Thomas* include no teachings overcoming these deficiencies. For at least this reason, as well as the reasons discussed regarding independent Claims 1 and 8, from which they rely, respectively, Applicant respectfully requests that the rejections to Claims 6 and 13 be withdrawn.

IV. The Examiner rejected Claims 7 and 14 under pre-AIA 35 U.S.C. § 103(a) as being unpatentable over *Robertson*, *Killen, Valdes, Carnes,* and *Manahan* as applied to Claims 1 and 8 and further in view of U.S. Patent Publication No. 2013/0159456 to Daoud (hereinafter referred to as *Daoud*).

Certain deficiencies in the teachings of *Robertson*, *Killen, Valdes*, *Carnes*, and *Manahan* are set forth above. *Daoud* includes no teachings overcoming these deficiencies. For at least this reason, as well as the reasons discussed regarding independent Claims 1 and 8, from which they rely, respectively, Applicant respectfully requests that the rejections to Claims 7 and 14 be withdrawn.

No Disclaimers or Disavowals

Although the present communication may include alterations to the application or claims, or characterizations of claim scope or referenced art, Applicant is not conceding in this application that previously pending claims are not patentable over the cited references. Rather, any alterations or characterizations are being made to facilitate expeditious prosecution of this application. Applicant reserves the right to pursue at a later date any previously pending or other broader or narrower claims that capture any subject matter supported by the present disclosure, including subject matter found to be specifically disclaimed herein or by any prior prosecution. Accordingly, reviewers of this or any parent, child or related prosecution history shall not reasonably infer that Applicant has made any disclaimers or disavowals of any subject matter supported by the present application.

Any remarks in support of patentability of one claim should not be imputed to any other claim, even if similar terminology is used. Any language or remarks referring to only a portion of a claim should not necessarily be understood to base patentability on solely that portion; rather, patentability rests on each claim taken as a whole.

Abbott Ex. 1002 - 422/848

Applicant respectfully submits that to the extent any disclaimers or statements were made previously during prosecution with respect to the scope of the claimed invention, such disclaimers and statements are hereby rescinded.

Applicant respectfully reserves the ability to traverse any of the rejections, assertions and submissions made in connection with the application, even if not discussed herein, including the right to challenge later whether any of the cited references is prior art. The absence of a reply to a specific rejection, issue, or comment does not signify agreement with or concession of that rejection, issue, or comment. In addition, because any arguments made may not be exhaustive, there may be other reasons that have not been expressed for patentability of any or all claims. When amendments are made to any claims, no acquiescence or estoppel is implied thereby; such amendments are made only to expedite prosecution of the present application and are without prejudice to the presentation or assertion, in the future, of claims directed to subject matter that is same as or similar to that previously presented. Nothing in this paper should be construed as an intent to concede, or actual concession of, any issue with regard to any claim, or to any cited art, except as specifically stated in this paper, and the amendment or cancellation of any claim does not necessarily signify concession of unpatentability of the claim prior to its amendment or cancellation.

Conclusion

Should the Examiner have any concerns that might prevent the prompt allowance of the application, the Examiner is respectfully invited to contact the undersigned at the telephone number below. Please charge any additional fees, including any fees for additional extension of time, or credit overpayment to Deposit Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: October 7, 2019

By: /Rose M. Thiessen/
Rose M. Thiessen
Registration No. 40,202
Registered Practitioner
Customer No. 68851
(858) 707-4000

31468005

Abbott Ex. 1002 - 423/848

Electronic Acknowledgement Receipt

EFS ID:	37384704
Application Number:	15617977
International Application Number:	
Confirmation Number:	8138
Title of Invention:	REMOTE MONITORING OF ANALYTE MEASUREMENTS
First Named Inventor/Applicant Name:	Michael Robert Mensinger
Customer Number:	68851
Filer:	Rose M. Thiessen/Kealani Aguon
Filer Authorized By:	Rose M. Thiessen
Attorney Docket Number:	DEXCOM.225C3
Receipt Date:	07-OCT-2019
Filing Date:	08-JUN-2017
Time Stamp:	16:31:44
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		225C3_RESP.pdf	70910 b65dde5d20b138fd5179152316ccdc3f5fe78d15	yes	10

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Response After Final Action	1	1
	Claims	2	4
	Applicant Arguments/Remarks Made in an Amendment	5	10
Warnings:			
Information:			
	Total Files Size (in bytes):	70910	

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

PTO/SB/06 (09-11)
Approved for use through 1/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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 15/617,977	Filing Date 06/08/2017	☐ 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 $80 =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*		x $420 =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).				
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))					
* If the difference in column 1 is less than zero, enter "0" in column 2.				TOTAL	

APPLICATION AS AMENDED - PART II

		(Column 1)		(Column 2)	(Column 3)			
AMENDMENT	10/07/2019	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 14	Minus	** 20	= 0		x $100 =	0
	Independent (37 CFR 1.16(h))	* 2	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

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

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

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

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

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.
15/617,977	06/08/2017	Michael Robert Mensinger	DEXCOM.225C3	8138

68851 7590 10/22/2019

KNOBBE, MARTENS, OLSON & BEAR, LLP
DEXCOM, INC.
2040 MAIN STREET
FOURTEENTH FLOOR
IRVINE, CA 92614

EXAMINER
BALSECA, FRANKLIN D

ART UNIT	PAPER NUMBER
2685	

NOTIFICATION DATE	DELIVERY MODE
10/22/2019	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):

efiling@knobbe.com
jayna.cartee@knobbe.com

Advisory Action Before the Filing of an Appeal Brief	Application No. 15/617,977	Applicant(s) Mensinger et al.	
	Examiner FRANKLIN D BALSECA	Art Unit 2685	AIA (FITF) Status No

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

THE REPLY FILED 07 October 2019 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 APPLICANTS FIRST AFTER-FINAL REPLY WHICH WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. ONLY CHECK BOX (c) IN THE LIMITED SITUATION SET FORTH UNDER BOX (c). See MPEP 706.07(f).

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

NOTICE OF APPEAL

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

AMENDMENTS

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

AFFIDAVIT OR OTHER EVIDENCE

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

REQUEST FOR RECONSIDERATION/OTHER

12. ☑ The request for reconsideration has been considered but does NOT place the application in condition for allowance because: See Continuation Sheet.
13. ☐ Note the attached Information *Disclosure Statement*(s). (PTO/SB/08) Paper No(s). _____
14. ☐ Other: _____.

STATUS OF CLAIMS

15. The status of the claim(s) is (or will be) as follows:
    Claim(s) allowed:_____.
    Claim(s) objected to:_____.
    Claim(s) rejected:1-4,6-11 and 13-16.
    Claim(s) withdrawn from consideration:_____.

/FRANKLIN D BALSECA/ Examiner, Art Unit 2685	

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: In regards to claims 1 and 8, the applicant argues that the combination of Robertson et al. (US-2013/0117696) and Killen et al. (US-2012/0136221) is not proper. The applicant argues that the combination is improper because Robertson's system gives complete control to the patient while Killen's system gives complete control to the remote user [see applicant's arguments pg. 7 first and second paragraph]. The examiner respectfully disagrees with the applicant. The combination is proper because both references are in the same field of endeavor which is remote monitoring of a patient. Furthermore, the references never state that some or all all the control cannot be given to the other party. Therefore, the references do not teach away from each other. The fact that one of the references teaches one way of doing things and the other teaches another way of doing things does not mean that the references are not combinable. Furthermore, the reason to combine provided by the examiner is one of the many reasons why one of ordinary skill in the art would combine the references. As stated in the office action, Killen's teachings will permit the remote user to monitor other physiological data such as blood glucose data and receive notifications about the monitored glucose levels. Another reason would be that Killen's teachings will also permit the remote user to receive notifications that he or she consider relevant by modifying his/her notifications rules. For the reasons provided above, the applicant's arguments are not persuasive.

Patent
DEXCOM.225C3

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Michael Robert Mensinger	Examiner: Balseca, Franklin D.
Serial No.: 15/617,977	Art Unit: 2685
Filed: June 8, 2017	Conf. No.: 8138
Title: Remote Monitoring of Analyte Measurements	

AMENDMENT AFTER FINAL

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

Dear Sir:

In response the Office Action Made Final mailed August 12, 2019 (hereinafter referred to as the *Office Action*), Applicant respectfully requests withdrawal of the outstanding rejections in light of the amendments and remarks herein.

Amendments to the Claims begin on page 2.

Remarks begin on page 5.

Abbott Ex. 1002 - 430/848

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	15/617977
	Filing Date	June 08, 2017
	First Named Inventor	Mensinger, Michael Robert
	Art Unit	2685
(Multiple sheets used when necessary)	Examiner	Balseca, Franklin D.
SHEET 1 OF 2	Attorney Docket No.	DEXCOM.225C3

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number *Number - Kind Code (if known)* Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1	5,572,999	11-12-1996	Funda et al.	
	2	5,590,648	01-07-1997	Mitchell et al.	
	3	5,970,457	10-19-1999	Brant et al.	
	4	6,053,887	04-25-2000	Levitas et al.	
	5	6,224,542	05-01-2001	Chang et al.	
	6	6,270,455	08-07-2001	Brown	
	7	6,278,975	08-21-2001	Brant et al.	
	8	6,334,778	01-01-2002	Brown	
	9	6,415,166	07-02-2002	Van Hoy et al.	
	10	6,463,361	10-08-2002	Wang et al.	
	11	6,544,174	04-08-2003	West et al.	
	12	6,558,320	05-06-2003	Causey et al.	
	13	6,592,528	07-15-2003	Amano	
	14	6,602,191	08-05-2003	Quy	
	15	6,638,223	10-28-2003	Lifshitz et al.	
	16	6,641,533	11-04-2003	Causey et al.	
	17	6,775,577	08-10-2004	Crnkovich et al.	
	18	6,816,241	11-09-2004	Grubisic	
	19	7,088,233	08-08-2006	Menard	
	20	7,134,994	11-14-2006	Alpert et al.	
	21	7,278,983	10-09-2007	Ireland et al.	
	22	7,294,105	11-13-2007	Islam	
	23	8,472,108	06-25-2013	Islam	
	24	2002/0061092	05-23-2002	Maropis et al.	
	25	2002/0019584	02-14-2002	Schulze et al.	
	26	2011/0199214	08-18-2011	Gawlick	
	27	2012/0296988	11-22-2012	Rao	

Examiner Signature	Date Considered

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

T[1] - Place a check mark in this area when an English language Translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	15/617977
	Filing Date	June 08, 2017
	First Named Inventor	Mensinger, Michael Robert
	Art Unit	2685
(Multiple sheets used when necessary)	Examiner	Balseca, Franklin D.
SHEET 2 OF 2	Attorney Docket No.	DEXCOM.225C3

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number *Number - Kind Code (if known)* Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	28	2014/0184422	05-01-2014	Mensinger et al.	
	29	2014/0187889	07-03-2014	Cohen et al.	
	30	2014/0187890	07-03-2014	Mensinger et al.	
	31	2014/0188398	07-03-2014	Cohen et al.	
	32	2016/0066867	03-10-2016	Mensinger et al.	
	33	2016/0066866	03-10-2016	Mensinger et al.	
	34	2016/0066868	03-10-2016	Mensinger et al.	
	35	2016/0073879	03-17-2016	Mensinger et al.	
	36	2016/0073880	03-17-2016	Mensinger et al.	
	37	2017//0293732	10-12-2017	Cohen et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document *Country Code-Number-Kind Code* Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T[1]
	38	JP 2008-516303 A	05-15-2008	Cardinal Health	Corresponding English Equivalent US20060047538 previously disclosed	✓-Abs
	39	WO 2003/094074	11-13-2003	Lifestream Technologies, Inc.		

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, page(s), volume-issue number(s), publisher, city and/or country where published.	T[1]

31582149:abt

Examiner Signature	Date Considered

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

T[1] - Place a check mark in this area when an English language Translation is attached.

Electronic Acknowledgement Receipt

EFS ID:	37557484
Application Number:	15617977
International Application Number:	
Confirmation Number:	8138
Title of Invention:	REMOTE MONITORING OF ANALYTE MEASUREMENTS
First Named Inventor/Applicant Name:	Michael Robert Mensinger
Customer Number:	68851
Filer:	Rose M. Thiessen/Alexa Terracin
Filer Authorized By:	Rose M. Thiessen
Attorney Docket Number:	DEXCOM.225C3
Receipt Date:	24-OCT-2019
Filing Date:	08-JUN-2017
Time Stamp:	21:01:59
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	Foreign Reference	JP2008516303_corresp_US20060047538.pdf	11827681 63af0e07b53ee27f97346b83507133a1dcdeb809	no	88

Warnings:

Information:					
2	Foreign Reference	WO2003094074_Lifestream.pdf	6000729 a1f5abb3e74a6f751263969a844674a371adf2da	no	43
Warnings:					
Information:					
3		DEX225C3_20191024.pdf	54609 7b056fd61cc7404c78888231f97de9c242f6af6c	yes	3

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Transmittal Letter	1	1
	Information Disclosure Statement (IDS) Form (SB08)	2	3

Warnings:	
Information:	
Total Files Size (in bytes):	17883019

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New Applications Under 35 U.S.C. 111

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

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INFORMATION DISCLOSURE STATEMENT

First Inventor	:	Michael Robert Mensinger
App. No.	:	15/617977
Filed	:	June 8, 2017
For	:	REMOTE MONITORING OF ANALYTE MEASUREMENTS
Examiner	:	Franklin D. Balseca
Art Unit	:	2685
Conf. No.	:	8138

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

References and Listing

Pursuant to 37 CFR 1.56, an Information Disclosure Statement listing references is provided herewith. Copies of any listed foreign references are being submitted.

No Disclaimers

To the extent that anything in the Information Disclosure Statement or the listed references could be construed as a disclaimer of any subject matter supported by the present application, Applicant hereby rescinds and retracts such disclaimer.

Timing of Disclosure

This Information Disclosure Statement is being filed after the mailing date of a final action or after the mailing date of a Notice of Allowance. Please place these references in the file in accordance with 37 CFR 1.97(i).

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: October 24, 2019

By: /Rose M. Thiessen/
Rose M. Thiessen
Registration No. 40,202
Registered Practitioner
Customer No. 68851
(858) 707-4000

31582165:abt

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.
15/617,977	06/08/2017	Michael Robert Mensinger	DEXCOM.225C3	8138

68851 7590 11/19/2019

KNOBBE, MARTENS, OLSON & BEAR, LLP
DEXCOM, INC.
2040 MAIN STREET
FOURTEENTH FLOOR
IRVINE, CA 92614

EXAMINER	
BALSECA, FRANKLIN D	

ART UNIT	PAPER NUMBER
2685	

NOTIFICATION DATE	DELIVERY MODE
11/19/2019	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):

efiling@knobbe.com
jayna.cartee@knobbe.com

Applicant-Initiated Interview Summary	Application No. 15/617,977	Applicant(s) Mensinger et al.	
	Examiner FRANKLIN D BALSECA	Art Unit 2685	AIA (FITF) Status No

All participants (applicant, applicants representative, PTO personnel):

(1) FRANKLIN D. BALSECA. (3) _____.

(2) SHIRIN TEFAGH. (4) _____.

Date of Interview: 13 November 2019.

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

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

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

Claim(s) discussed: 1.

Identification of prior art discussed: Robertson et al. (US-2013/0117696) and Killen et al. (US-2012/0136221).

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

The examiner and the applicant discussed about the applicant's invention. The applicant explained to the examiner that the applicant's invention permits the host and the user of a remote device to set up rules for the system. The applicant argued that Robertson teaches that the host has total control of the system while Killen teaches that the user of the remote device has total control of the system, and that the combination of Robertson and Killen does not teach a system where the host and the user of the remote device have control over the system rules. The examiner informed to the applicant that the claim as written is broad and does not recite that the host also can control the system. The applicant informed to the examiner that the claims will be amended to include limitations that describe what the applicant argued. The examiner informed the applicant that any new amendments will require further search and consideration. No agreements were reached..

Applicant recordation instructions: The formal written reply to the last Office action must include the substance of the interview. (See MPEP section 713.04). If a reply to the last Office action has already been filed, applicant is given a non-extendable period of the longer of one month or thirty days from this interview date, or the mailing date of this interview summary form, whichever is later, to file a statement of the substance of the interview.

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

☑ Attachment

/FRANKLIN D BALSECA/ Examiner, Art Unit 2685	

Summary of Record of Interview Requirements

Manual of Patent Examining Procedure (MPEP), Section 713.04, Substance of Interview Must be Made of Record
A complete written statement as to the substance of any face-to-face, video conference, or telephone interview with regard to an application must be made of record in the application whether or not an agreement with the examiner was reached at the interview.

Title 37 Code of Federal Regulations (CFR) 1.133 Interviews
Paragraph (b)

In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for reply to Office action as specified in §§ 1.111, 1.135. (35 U.S.C. 132)

37 CFR §1.2 Business to be transacted in writing.
All business with the Patent or Trademark Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent and Trademark Office is unnecessary. The action of the Patent and Trademark Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

The action of the Patent and Trademark Office cannot be based exclusively on the written record in the Office if that record is itself incomplete through the failure to record the substance of interviews.

It is the responsibility of the applicant or the attorney or agent to make the substance of an interview of record in the application file, unless the examiner indicates he or she will do so. It is the examiners responsibility to see that such a record is made and to correct material inaccuracies which bear directly on the question of patentability.

Examiners must complete an Interview Summary Form for each interview held where a matter of substance has been discussed during the interview by checking the appropriate boxes and filling in the blanks. Discussions regarding only procedural matters, directed solely to restriction requirements for which interview recordation is otherwise provided for in Section 812.01 of the Manual of Patent Examining Procedure, or pointing out typographical errors or unreadable script in Office actions or the like, are excluded from the interview recordation procedures below. Where the substance of an interview is completely recorded in an Examiners Amendment, no separate Interview Summary Record is required.

The Interview Summary Form shall be given an appropriate Paper No., placed in the right hand portion of the file, and listed on the "Contents" section of the file wrapper. In a personal interview, a duplicate of the Form is given to the applicant (or attorney or agent) at the conclusion of the interview. In the case of a telephone or video-conference interview, the copy is mailed to the applicants correspondence address either with or prior to the next official communication. If additional correspondence from the examiner is not likely before an allowance or if other circumstances dictate, the Form should be mailed promptly after the interview rather than with the next official communication.

The Form provides for recordation of the following information:
- Application Number (Series Code and Serial Number)
- Name of applicant
- Name of examiner
- Date of interview
- Type of interview (telephonic, video-conference, or personal)
- Name of participant(s) (applicant, attorney or agent, examiner, other PTO personnel, etc.)
- An indication whether or not an exhibit was shown or a demonstration conducted
- An identification of the specific prior art discussed
- An indication whether an agreement was reached and if so, a description of the general nature of the agreement (may be by attachment of a copy of amendments or claims agreed as being allowable). Note: Agreement as to allowability is tentative and does not restrict further action by the examiner to the contrary.
- The signature of the examiner who conducted the interview (if Form is not an attachment to a signed Office action)

It is desirable that the examiner orally remind the applicant of his or her obligation to record the substance of the interview of each case. It should be noted, however, that the Interview Summary Form will not normally be considered a complete and proper recordation of the interview unless it includes, or is supplemented by the applicant or the examiner to include, all of the applicable items required below concerning the substance of the interview.

A complete and proper recordation of the substance of any interview should include at least the following applicable items:
1) A brief description of the nature of any exhibit shown or any demonstration conducted,-
2) an identification of the claims discussed,
3) an identification of the specific prior art discussed,
4) an identification of the principal proposed amendments of a substantive nature discussed, unless these are already described on the Interview Summary Form completed by the Examiner,
5) a brief identification of the general thrust of the principal arguments presented to the examiner,
(The identification of arguments need not be lengthy or elaborate. A verbatim or highly detailed description of the arguments is not required. The identification of the arguments is sufficient if the general nature or thrust of the principal arguments made to the examiner can be understood in the context of the application file. Of course, the applicant may desire to emphasize and fully describe those arguments which he or she feels were or might be persuasive to the examiner.)
6) a general indication of any other pertinent matters discussed, and
7) if appropriate, the general results or outcome of the interview unless already described in the Interview Summary Form completed by the examiner.

Examiners are expected to carefully review the applicants record of the substance of an interview. If the record is not complete and accurate, the examiner will give the applicant an extendable one month time period to correct the record.

Examiner to Check for Accuracy

If the claims are allowable for other reasons of record, the examiner should send a letter setting forth the examiners version of the statement attributed to him or her. If the record is complete and accurate, the examiner should place the indication, Interview Record OK on the paper recording the substance of the interview along with the date and the examiners initials.

Doc Code: M865 or FAI.REQ.INTV

PTOL-413A (07-16)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Applicant Initiated Interview Request Form

Application No.: 15/617,977 First Named Applicant: Mesinger, Michael R.
Examiner: Franklin D. Balseca Art Unit: 2685 Status of Application: Pending

Tentative Participants:
(1) Shirin Tefagh (2) Examiner Balseca
(3) _____ (4) _____

Proposed Date of Interview: 11/13/2019 **Proposed Time:** 12:30 (○AM ◉PM)

Type of Interview Requested:
(1) ☑ Telephonic (2) ☐ Personal (3) ☐ Video Conference

Exhibit To Be Shown or Demonstrated: ☐ YES ☑ NO
If yes, provide brief description: _____

Issues To Be Discussed

Issues (Rej., Obj., etc)	Claims/ Fig. #s	Prior Art	Discussed	Agreed	Not Agreed
(1) 103	1	Robertson/Valdes	☐	☐	☐
(2)			☐	☐	☐
(3)			☐	☐	☐
(4)			☐	☐	☐

☐ Continuation Sheet Attached ☐ Proposed Amendment or Arguments Attached

Brief Description of Arguments to be Presented: Discuss arguments presented in response to the Office Action mailed 8/12/2019 and response to arguments in Advisory Action mailed 10/22/2019

An interview was conducted on the above-identified application on _____

NOTE: This form should be completed and filed by applicant in advance of the interview (see MPEP § 713.01). If this form is signed by a registered practitioner not of record, the Office will accept this as an indication that he or she is authorized to conduct an interview on behalf of the principal (37 CFR 1.32(a)(3)) pursuant to 37 CFR 1.34. This is not a power of attorney to any above named practitioner. See the Instruction Sheet for this form, which is incorporated by reference. By signing this form, applicant or practitioner is certifying that he or she has read the Instruction Sheet. After the interview is conducted, applicant is advised to file a statement of the substance of this interview (37 CFR 1.133(b)) as soon as possible. This application will not be delayed from issue because of applicant's failure to submit a written record of this interview.

/Shirin Tefagh/
Applicant/Applicant's Representative Signature

Examiner/SPE Signature

Shirin Tefagh
Typed/Printed Name of Applicant or Representative

Applicant's/Applicant's Representative's Telephone Number

67407
Registration Number, if applicable

This collection of information is required by 37 CFR 1.133. 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 24 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.
If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Privacy Act Statement

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

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

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

Abbott Ex. 1002 - 440/848

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 15/617,977	Filing Date 06/08/2017	☐ 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 $80 =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*		x $420 =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).				
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))					
* If the difference in column 1 is less than zero, enter "0" in column 2.				TOTAL	

APPLICATION AS AMENDED - PART II

		(Column 1)		(Column 2)	(Column 3)			
AMENDMENT	12/10/2019	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 14	Minus	** 20	= 0		x $100 =	0
	Independent (37 CFR 1.16(h))	* 2	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

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

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

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

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

Doc code: RCEX
Doc description: Request for Continued Examination (RCE)

PTO/SB/30EFS (07-09)
Approved for use through 07/31/2012. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

REQUEST FOR CONTINUED EXAMINATION(RCE)TRANSMITTAL
(Submitted Only via EFS-Web)

Application Number	15617977	Filing Date	2017-06-08	Docket Number (if applicable)	DEXCOM.225C3	Art Unit	2685
First Named Inventor	Michael Robert Mensinger			Examiner Name	Balseca, Franklin D.		

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, 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 111410

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

☒ Patent Practitioner Signature

Applicant Signature

PTO/SB/30EFS (07-09)
Approved for use through 07/31/2012. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Signature of Registered U.S. Patent Practitioner			
Signature	/Rose M. Thiessen/	Date (YYYY-MM-DD)	2019-12-10
Name	Rose M. Thiessen	Registration Number	40202

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.

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

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

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

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

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

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

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

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

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

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

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

Electronic Patent Application Fee Transmittal

Application Number:	15617977
Filing Date:	08-Jun-2017
Title of Invention:	REMOTE MONITORING OF ANALYTE MEASUREMENTS
First Named Inventor/Applicant Name:	Michael Robert Mensinger
Filer:	Rose M. Thiessen/Edgar Compton
Attorney Docket Number:	DEXCOM.225C3

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 - 1 month with $0 paid	1251	1	200	200
Miscellaneous:				
RCE- 2ND AND SUBSEQUENT REQUEST	1820	1	1900	1900
		Total in USD ($)		**2100**

Electronic Acknowledgement Receipt

EFS ID:	37971399
Application Number:	15617977
International Application Number:	
Confirmation Number:	8138
Title of Invention:	REMOTE MONITORING OF ANALYTE MEASUREMENTS
First Named Inventor/Applicant Name:	Michael Robert Mensinger
Customer Number:	68851
Filer:	Rose M. Thiessen/Gustavo Lopez
Filer Authorized By:	Rose M. Thiessen
Attorney Docket Number:	DEXCOM.225C3
Receipt Date:	10-DEC-2019
Filing Date:	08-JUN-2017
Time Stamp:	15:48:17
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	$2100
RAM confirmation Number	E2019B0F48399086
Deposit Account	111410
Authorized User	Gustavo Lopez
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows: 37 CFR 1.16 (National application filing, search, and examination fees) 37 CFR 1.17 (Patent application and reexamination processing fees)	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		225C3_RESP.pdf	76590 4101de2bc308db3a6f2edf158f4fe0d399fd27f1	yes	11
	Multipart Description/PDF files in .zip description				
	Document Description		**Start**	**End**	
	Applicant Arguments/Remarks Made in an Amendment		7	11	
	Applicant summary of interview with examiner		6	6	
	Claims		2	5	
	Amendment Submitted/Entered with Filing of CPA/RCE		1	1	
Warnings:					
Information:					
2	Request for Continued Examination (RCE)	225C3_RCE.pdf	697620 ff4ec2d691feb8b568ccd2877548889582c631ef	no	3
Warnings:					
Information:					
3	Fee Worksheet (SB06)	fee-info.pdf	32644 169c127a622720c15274826a91bba7f1da8724ad	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	806854		

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

In re Application of: Michael Robert Mensinger	Examiner: Balseca, Franklin D.
Serial No.: 15/617,977	Art Unit: 2685
Filed: June 8, 2017	Conf. No.: 8138
Title: Remote Monitoring of Analyte Measurements	

AMENDMENT AFTER FINAL

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

Dear Sir:

In response the Office Action Made Final mailed August 12, 2019 (hereinafter referred to as the *Office Action*), and supplemental to the Amendment After Final filed October 7, 2019, and subsequent to receipt of the Advisory Action received October 22, 2019, Applicant respectfully requests withdrawal of the outstanding rejections in light of the amendments and remarks herein.

Amendments to the Claims begin on page 2.

Summary of Interview begin on page 6.

Remarks begin on page 7.

Abbott Ex. 1002 - 450/848

REMARKS

Claims 1-4, 6-11, and 13-16 are pending and stand rejected. By the present amendment, Claims 1-3 and 8-10 have been amended. Support for the amendments is found in the specification and claims as filed. By the following remarks, Applicant does not acquiesce to the propriety of any of the Examiner's objections or rejections and does not disclaim any subject matter to which Applicant is entitled. *Cf. Warner-Jenkinson Co. v. Hilton Davis Chem. Co.*, 41 U.S.P.Q. 2d 1865 (U.S. 1997). Cancellation and/or amendment of certain claims in this or any other response is not to be construed as a dedication to the public of any of the subject matter of the claims as previously presented, and Applicant reserves the ability to pursue the amended claims as filed, the canceled claims or similar claims in one or more continuing applications, e.g., continuation, divisional, or continuation-in-part applications.

Claim Rejections – 35 USC §103

I. The Examiner rejected Claims 1-3, 8-10, 15, and 16 under pre-AIA 35 U.S.C. § 103(a) as being unpatentable over:

U.S. Pat. Pub. No. 2013/0117696 to Robertson et al. (hereinafter referred to as *Robertson*), in view of
U.S. Pat. Pub. No. 2012/0136221 to Killen et al. (hereinafter referred to as *Killen*),
U.S. Pat. Pub. No. 2012/0108934 to Valdes et al. (hereinafter referred to as *Valdes*),
U.S. Pat. No. 8,912,897 to Carnes (hereinafter referred to as *Carnes*), and
U.S. Pat. No. 8,821,622 to Manahan et al. (hereinafter referred to as *Manahan*).

To maintain a proper rejection under 35 U.S.C. §103, the Examiner must meet four conditions to establish a *prima facie* case of obviousness. First, the Examiner must show that the prior art suggested to those of ordinary skill in the art that they should make the claimed composition or device or carry out the claimed process. Second, the Examiner must show that the prior art would have provided one of ordinary skill in the art with a reasonable expectation of success. Both the suggestion and the reasonable expectation of success must be adequately founded in the prior art and not in an Applicant's disclosure. Third, the prior art must teach or suggest all the claim limitations. *In re Vaeck,* 20 U.S.P.Q.2d 1438, 1442 (Fed. Cir. 1991). Fourth, if an obviousness rejection is based on some combination of prior art references, the Examiner must show a suggestion, teaching, or motivation to combine the prior art references ("the TSM test"). *In re Dembiczak,* 50 U.S.P.Q.2d 1614, 1617 (Fed. Cir. 1999). Following *KSR Int'l Co. v.*

Abbott Ex. 1002 - 451/848

Teleflex, Inc., this fourth prong of the *prima facie* obviousness analysis must not be applied in a rigid or formulaic way such that it becomes inconsistent with the more flexible approach of *Graham v. John Deere*, 383 U.S. 1, 17-18 (1966). 127 S. Ct. 1727 (2007). It must still be applied, however, as the TSM test captures the important insight that "a patent composed of several elements is not proved obvious merely by demonstrating that each of its elements was, independently, known in the prior art." *Id.* (citing *United States v. Adams*, 383 U.S. 39, 50-52 (1966)).

The limitations of Claim 1 are set forth above. The Office Action admits that "Robertson does not teach the step of modifying, by the remote monitor, a rule defining an alert," and instead relies on *Killen*, stating, "Killen teaches accessing data about a physiological state of a host in a secure server by a remote monitor," and further stating "Killen further teaches modifying, by the remote monitor, a rule defining an alert" and that "It would have been obvious to one of ordinary skill in the art, at the time of the invention, to use Killen's teachings of modifying rules to generate alerts about the monitored parameter in the method taught by Robertson because it will permit the remote monitoring device monitor other physiological data such as blood glucose and receive notifications when an abnormal condition is detected by the server."

Applicant respectfully disagrees with whether a person skilled in the art would be motivated to make the combination as suggested above and that the combination would result in what is recited in claim 1, for the reasons laid out below. First, Applicant disagrees that *Killen* in fact teaches "modifying, by a remote monitor, a rule defining an alert." *Killen* describes a system having a measuring device 6 and an analysis device 8. "The measuring device 6 is used by a hospital employee, such as a nurse, to periodically record a set of vital signs for one or more patients", medical practitioners then can "receive their messages using the analysis device 8, and decide how to react." See paragraphs 112 and 116 of *Killen*. In paragraphs 143 and 154 of *Killen* cited in the Office Action it is described that "a doctor may use the analysis device to set up a listening alert for a particular patient." Therefore, in *Killen*, the doctor is the only person setting rules for alerts and the patient does not have any input into the process because the system of *Killen* deals with a hospital environment. Therefore, at best, the "remote monitor" sets alert rules, but does not "modify" a rule.

Abbott Ex. 1002 - 452/848

In contrast, in *Robertson*, it is clearly stated that "the patient has complete control over what data the third party can view" and "the patient 106 can share data and what data can be shared with an invitee." See para 96 and 101 of Robertson. Therefore, *Killen* and *Robertson* deal with two separate environments, in *Killen* the patient has no control over what data is shared and the doctor is in control, wherein in *Robertson*, the patient has "complete control over what data the third party can view." In fact, a combination of *Robertson* with *Killen* as suggested by the Office Action, would render *Robertson* inoperable for its intended purpose as the patient would have no control, and instead the entire control would be given to the remote monitor.

Additionally, the Office Action asserts that the motivation to combine the two references is "because it will permit the remote monitoring device monitor other physiological data such as blood glucose and receive notifications when an abnormal condition is detected by the server." However, it is not clear to Applicant why this motivation would motivate the combination suggested above. To achieve "permit the remote monitoring device monitor other physiological data such as blood glucose and receive notifications when an abnormal condition is detected by the server," the teachings cited by the Office Action regarding modifying, by a remote monitor, a rules defining an alert, which the Applicant does not admit *Killen* teaches, need not be combined with *Robertson*, because to monitor other physiological data such as blood glucose and receive notifications when an abnormal condition is detected by the server in *Robertson*, there is no need for the remote monitor to modify rules defining an alert, and instead, it would be more likely that the patient would set the rules as described in *Robertson* because *Robertson* specifically requires that the patient be given "complete control over what data the third party can view."

None of the remaining references (*Valdes*, *Carnes*, *Manahan*) include teachings overcoming the deficiencies of Robertson and Killen as discussed above.

For at least these reasons, one of ordinary skill in the art would not have combined *Robertson* and *Killen* with those of *Valdes*, *Carnes*, and *Manahan* to arrive at the claimed features of Claim 1.

For at least these reasons, Applicant respectfully requests that the rejection to Claim 1, as well as the rejections to the claims that depend upon Claim 1, be withdrawn.

Abbott Ex. 1002 - 453/848

Regarding Claims 2 and 3, the claims depend upon Claim 1. For at least the reasons discussed regarding Claim 1, Applicant respectfully requests that the rejections to the claims be withdrawn.

Regarding Claim 8, the claim contains subject matter that is similar to that of Claim 1. For at least the reasons discussed with regard to Claim 1, Applicant respectfully requests that the rejection of Claim 8, as well as the rejections to the claims that depend upon Claim 8, be withdrawn.

Regarding Claims 9 and 10, the claims depend upon Claim 8. For at least the reasons discussed regarding Claims 1 and 8, Applicant respectfully requests that the rejections to the claims be withdrawn.

Regarding Claims 15 and 16, the claims depend upon Claim 1. For at least the reasons discussed regarding Claim 1, Applicant respectfully requests that the rejections to the claims be withdrawn.

II. The Examiner rejected Claims 4 and 11 under pre-AIA 35 U.S.C. § 103(a) as being unpatentable over *Robertson*, *Killen, Valdes*, *Carnes*, and *Manahan* as applied to Claims 1 and 8 and further in view of U.S. Pat. Pub. No. 2005/0148890 to Hastings (hereinafter referred to as *Hastings*).

Certain deficiencies in the teachings of *Robertson*, *Killen, Valdes*, *Carnes*, and *Manahan* are set forth above. *Hastings* includes no teachings overcoming these deficiencies. For at least this reason, as well as the reasons discussed regarding independent Claims 1 and 8, from which they rely, respectively, Applicant respectfully requests that the rejections to Claims 4 and 11 be withdrawn.

III. The Examiner rejected Claims 6 and 13 under pre-AIA 35 U.S.C. § 103(a) as being unpatentable over *Robertson*, *Killen, Valdes, Carnes,* and *Manahan* as applied to Claims 1 and 8 and further in view of U.S. Patent Publication No. 2004/0243941 to Fish (hereinafter referred to as *Fish*) and U.S. Patent Publication No. 2013/0173742 to Thomas (hereinafter referred to as *Thomas*).

Abbott Ex. 1002 - 454/848

Certain deficiencies in the teachings of *Robertson*, *Killen, Valdes*, *Carnes*, and *Manahan* are set forth above. *Fish* and *Thomas* include no teachings overcoming these deficiencies. For at least this reason, as well as the reasons discussed regarding independent Claims 1 and 8, from which they rely, respectively, Applicant respectfully requests that the rejections to Claims 6 and 13 be withdrawn.

IV. The Examiner rejected Claims 7 and 14 under pre-AIA 35 U.S.C. § 103(a) as being unpatentable over *Robertson*, *Killen, Valdes, Carnes,* and *Manahan* as applied to Claims 1 and 8 and further in view of U.S. Patent Publication No. 2013/0159456 to Daoud (hereinafter referred to as *Daoud*).

Certain deficiencies in the teachings of *Robertson*, *Killen, Valdes*, *Carnes*, and *Manahan* are set forth above. *Daoud* includes no teachings overcoming these deficiencies. For at least this reason, as well as the reasons discussed regarding independent Claims 1 and 8, from which they rely, respectively, Applicant respectfully requests that the rejections to Claims 7 and 14 be withdrawn.

No Disclaimers or Disavowals

Although the present communication may include alterations to the application or claims, or characterizations of claim scope or referenced art, Applicant is not conceding in this application that previously pending claims are not patentable over the cited references. Rather, any alterations or characterizations are being made to facilitate expeditious prosecution of this application. Applicant reserves the right to pursue at a later date any previously pending or other broader or narrower claims that capture any subject matter supported by the present disclosure, including subject matter found to be specifically disclaimed herein or by any prior prosecution. Accordingly, reviewers of this or any parent, child or related prosecution history shall not reasonably infer that Applicant has made any disclaimers or disavowals of any subject matter supported by the present application.

Any remarks in support of patentability of one claim should not be imputed to any other claim, even if similar terminology is used. Any language or remarks referring to only a portion of a claim should not necessarily be understood to base patentability on solely that portion; rather, patentability rests on each claim taken as a whole.

Abbott Ex. 1002 - 455/848

Applicant respectfully submits that to the extent any disclaimers or statements were made previously during prosecution with respect to the scope of the claimed invention, such disclaimers and statements are hereby rescinded.

Applicant respectfully reserves the ability to traverse any of the rejections, assertions and submissions made in connection with the application, even if not discussed herein, including the right to challenge later whether any of the cited references is prior art. The absence of a reply to a specific rejection, issue, or comment does not signify agreement with or concession of that rejection, issue, or comment. In addition, because any arguments made may not be exhaustive, there may be other reasons that have not been expressed for patentability of any or all claims. When amendments are made to any claims, no acquiescence or estoppel is implied thereby; such amendments are made only to expedite prosecution of the present application and are without prejudice to the presentation or assertion, in the future, of claims directed to subject matter that is same as or similar to that previously presented. Nothing in this paper should be construed as an intent to concede, or actual concession of, any issue with regard to any claim, or to any cited art, except as specifically stated in this paper, and the amendment or cancellation of any claim does not necessarily signify concession of unpatentability of the claim prior to its amendment or cancellation.

Conclusion

Should the Examiner have any concerns that might prevent the prompt allowance of the application, the Examiner is respectfully invited to contact the undersigned at the telephone number below. Please charge any additional fees, including any fees for additional extension of time, or credit overpayment to Deposit Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: December 10, 2019

By: /Rose M. Thiessen/
Rose M. Thiessen
Registration No. 40,202
Registered Practitioner
Customer No. 68851
(858) 707-4000

31698148

Abbott Ex. 1002 - 456/848

AMENDMENTS TO THE CLAIMS

Without prejudice or surrender of any subject matter, this listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) A method comprising:

receiving, at a remote monitor, an invitation to access a secure server and data associated with a receiver monitoring an analyte state of a host;

providing, from the remote monitor to the secure server, an acceptance to the invitation;

identifying, by the remote monitor, a set of one or more rules provided by the remote server associated with the data, wherein the rules are generated according to one or more preferences or settings from the host device; and

modifying, by the remote monitor, at least one rule of the set of one or more rules wherein the set of one or more rules include a rule defining an alert representative of an event associated with the analyte state of the host, the event being determined by the secure server based on a first measurement of the data received regarding the analyte state of the host at a first time, wherein the alert, when triggered at the first time, causes an alert message to be sent to the remote monitor from a server to notify the remote monitor of the event[[;]] and/or ~~modifying, by the remote monitor,~~ a rule varying a time value as to when a reminder message is sent to the remote monitor after the alert message is sent to the remote monitor, the reminder message only being sent if the alert message has not been previously acknowledged by the remote monitor and only if the event associated with the analyte state of the host has not changed, based on a second measurement of the data at a second time, after the alert message was sent.

2. (Currently Amended) The method of claim 1, wherein the modifying ~~the rule defining the alert~~ comprises varying a first threshold associated with a low level of glucose at the host.

3. (Currently Amended)The method of claim 1, wherein the modifying ~~the rule defining the alert~~ comprises varying a second threshold associated with a high level of glucose at the host.

4. (Previously Presented) The method of claim 1, further comprising modifying a rule varying a delay between when a notification message is sent to the receiver and the alert message is sent to the remote monitor.

Abbott Ex. 1002 - 457/848

5. (Cancelled)

6. (Original) The method of claim 1, wherein the invitation is associated with a set of recommended rule settings configured by a host monitoring system, wherein the recommended settings are provided to the remote monitor for acceptance or modification.

7. (Previously Presented) The method of claim 1, wherein accepting the invitation programically establishes an account associated with the remote monitor at the server.

8. (Currently Amended) An apparatus for remote monitoring of a host's analyte levels, the apparatus comprising:

at least one processor; and

at least one memory including code, which when executed by the at least one processor causes the apparatus to:

receive an invitation to access a secure server and data associated with a receiver monitoring an analyte state of a host;

provide to the secure server an acceptance to the invitation;

identify, by the remote monitor, a set of one or more rules provided by the remote server associated with the data, wherein the rules are generated according to one or more preferences or settings from the host device; and

modify at least one rule of the set of one or more rules wherein the set of one or more rules include a rule defining an alert representative of an event associated with the analyte state of the host, the event being determined by the secure server based on a first measurement of the data received regarding the analyte state of the host at a first time, wherein the alert, when triggered at the first time, causes an alert message to be sent to the apparatus from a server to notify the apparatus of the eventt[[;]] and/or ~~modify~~ a rule varying a time value as to when a reminder message is sent to the apparatus after the alert message is sent, the reminder message only being sent if the alert message has not been previously acknowledged by the apparatus and only if the event associated with the analyte state of the host has not changed, based on a second measurement of the data at a second time, after the alert message was sent.

9. (Currently Amended) The apparatus of claim 8, wherein the modifying ~~the rule defining the alert~~ comprises varying a first threshold associated with a low level of glucose at the host.

Abbott Ex. 1002 - 458/848

10. (Currently Amended) The apparatus of claim 8, wherein the modifying ~~the rule defining the alert~~ comprises varying a second threshold associated with a high level of glucose at the host.

11. (Previously Presented) The apparatus of claim 8, wherein the code further causes the apparatus to modify a rule varying a delay between when a message is sent to the receiver and the alert message is sent to the apparatus.

12. (Cancelled)

13. (Previously Presented) The apparatus of claim 8, wherein the invitation is associated with a set of recommended rule settings configured by a host monitoring system, wherein the recommended settings are provided to the apparatus for acceptance or modification.

14. (Previously Presented) The apparatus of claim 8, wherein the apparatus is configured to accept the invitation responsive to user input at the apparatus, wherein accepting the invitation programically establishes an account associated with the apparatus at the server.

15. (Previously Presented) The method of claim 1, wherein providing the acceptance to the invitation occurs after modifying the rule varying the time value as to when a reminder message is sent to the remote monitor after the alert message is sent to the remote monitor.

16. (Previously Presented) The method of claim 1, wherein providing the acceptance to the invitation occurs after modifying the rule varying the time value as to when a reminder message is sent to the remote monitor after the alert message is sent to the remote monitor.

Abbott Ex. 1002 - 459/848

SUMMARY OF INTERVIEW

Attendees, Date and Type of Interview

The telephonic interview was conducted on November 13, 2019 and attended by Examiner Franklin D. Balseca and Applicant's representative Shirin Tefagh.

Exhibits and/or Demonstrations

None.

Identification of Claims Discussed

Claim 1.

Identification of Cited/Disclosed Art Discussed

US 2013/0117696 ("Robertson") and US 2012/0136221 ("Killen")

Proposed Amendments, Principal Arguments and Other Matters

The Examiner and the Applicant discussed the Applicant's invention. The Applicant explained that the Applicant's invention permits the host and the use of a remote device to set up rules for the system. The Applicant argued that Robertson teaches that the host has total control of the system while Killen teaches that the user of the remote device has total control of the system, and that the combination of Robertson and Killen does not teach a system where the host and the user of the remote device have control over the system rules. The Examiner appeared to agree that amendments to further highlight these distinctions would be beneficial to advance prosecution but will require further search and consideration.

Results of Interview

No agreement was reached.

Abbott Ex. 1002 - 460/848

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	15/617977
	Filing Date	June 08, 2017
	First Named Inventor	Mensinger, Michael Robert
	Art Unit	2685
(Multiple sheets used when necessary)	Examiner	Balseca, Franklin D.
SHEET 1 OF 1	Attorney Docket No.	DEXCOM.225C3 / 225C9

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number *Number - Kind Code (if known)* Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1	6,477,424	11-05-2002	Thompson et al.	
	2	8,527,449	09-03-2013	Gajic et al.	
	3	10,499,811	12-10-2019	Mensinger et al.	
	4	2009/0192366	07-30-2009	Mensinger et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document *Country Code-Number-Kind Code* Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	**T[1]**

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, page(s), volume-issue number(s), publisher, city and/or country where published.	**T[1]**

31863293:abt

Examiner Signature	Date Considered

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

T[1] - Place a check mark in this area when an English language Translation is attached.

INFORMATION DISCLOSURE STATEMENT

First Inventor	:	Michael Robert Mensinger
App. No.	:	15/617977
Filed	:	June 8, 2017
For	:	REMOTE MONITORING OF ANALYTE MEASUREMENTS
Examiner	:	Franklin D. Balseca
Art Unit	:	2685
Conf. No.	:	8138

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

References and Listing

Pursuant to 37 CFR 1.56, an Information Disclosure Statement listing references is provided herewith. Applicant also respectfully requests consideration of the references contained in the Information Disclosure Statement filed on October 24, 2019.

No Disclaimers

To the extent that anything in the Information Disclosure Statement or the listed references could be construed as a disclaimer of any subject matter supported by the present application, Applicant hereby rescinds and retracts such disclaimer.

Timing of Disclosure

This Information Disclosure Statement is being filed within three months after an RCE, and no fee is required.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: December 12, 2019

By: /Rose M. Thiessen/
Rose M. Thiessen
Registration No. 40,202
Registered Practitioner
Customer No. 68851
(858) 707-4000

31863325:abt

Electronic Acknowledgement Receipt

EFS ID:	38017904
Application Number:	15617977
International Application Number:	
Confirmation Number:	8138
Title of Invention:	REMOTE MONITORING OF ANALYTE MEASUREMENTS
First Named Inventor/Applicant Name:	Michael Robert Mensinger
Customer Number:	68851
Filer:	Rose M. Thiessen/Alexa Terracin
Filer Authorized By:	Rose M. Thiessen
Attorney Docket Number:	DEXCOM.225C3
Receipt Date:	12-DEC-2019
Filing Date:	08-JUN-2017
Time Stamp:	19:02:21
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		DEX225C3_20191212.pdf	41716 ed8d979e05971bf484b7bfa5eef70a21d37b4a7a	yes	2

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Information Disclosure Statement (IDS) Form (SB08)	2	2
	Transmittal Letter	1	1
Warnings:			
Information:			
	Total Files Size (in bytes):	41716	

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

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

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/617,977	06/08/2017	Michael Robert Mensinger	DEXCOM.225C3	8138

68851 7590 01/15/2020

KNOBBE, MARTENS, OLSON & BEAR, LLP
DEXCOM, INC.
2040 MAIN STREET
FOURTEENTH FLOOR
IRVINE, CA 92614

EXAMINER
BALSECA, FRANKLIN D

ART UNIT	PAPER NUMBER
2685	

NOTIFICATION DATE	DELIVERY MODE
01/15/2020	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):

efiling@knobbe.com
jayna.cartee@knobbe.com

Office Action Summary	Application No. 15/617,977	Applicant(s) Mensinger et al.	
	Examiner FRANKLIN D BALSECA	Art Unit 2685	AIA (FITF) Status No

-- 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 December 2019.

☐ 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) 1-4,6-11 and 13-16 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) 1-4,6-11 and 13-16 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: _____.

Detailed Action

Continued Examination Under 37 CFR 1.114

1. 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 December 10, 2019 has been entered.

Response to Arguments

2. Applicant's arguments with respect to claim(s) 1 and 8 has/have been considered but are moot in view of new ground(s) of rejection necessitated by the amendments.

Objections

3. Claim(s) 8-11 and 13-16 is/are objected to because of the following informalities:

In regards to claim 8, the word "event" is misspelled in line 17 of the claim because it has an extra "t" at the end. Appropriate correction is required.

In regards to claims 9-11 and 13-14, the claims are objected due to their dependency on objected claim 8.

In regards to claims 15 and 16, both claims are dependent on claim 1 and recite the same limitations. One of this claims must be cancelled or amended to recite different limitations. For this reason, the claims are objected

Claim Rejections - 35 USC § 112

The following is a quotation of 35 U.S.C. 112(b):

> (b) CONCLUSION.—The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the inventor or a joint inventor regards as the invention.

The following is a quotation of 35 U.S.C. 112 (pre-AIA), second paragraph:

> The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

4. Claim(s) 1-4, 6-11 and 13-16 is/are rejected under 35 U.S.C. 112(b) or 35 U.S.C. 112 (pre-AIA), second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which the inventor or a joint inventor, or for pre-AIA the applicant regards as the invention.

In regards to claim 1, the claim recites in lines 5-6 “a set of one or more rules provided by the remote server associated with the data”. The claim does not previously define a limitation that recites that the server is associated with the data. For this reason, there is a lack of antecedent basis for the limitation of “the remote server associated with the data”, and the claim is indefinite. The examiner has interpreted the

claim in the following way in order to advance prosecution: "a set of one or more rules provided by the remote server and associated with the data associated with the receiver".

Furthermore, the claim recites in line 6 "wherein the rules are generated". The claim recites in line 5 a set of one or more rule. It is unclear to which rules of the set of one or more rules is the limitation in line 6 is referring. For this reason, the claim is indefinite. The examiner has interpreted the claim in the following way in order to advance prosecution: "wherein the set of one or more rules are generated".

The claim also recites in line 7 "from the host device". The word "the" in front of the limitation(s) "host device" means that the limitation(s) was/were previously defined. However, the limitation(s) was/were not previously defined. For this reason, the limitation(s) lack of antecedent basis and the claim is indefinite. The examiner has interpreted the claim in the following way in order to advance prosecution: "from [[the]] a host device".

Also, the claim recites in line 10-11 "based on a first measurement of the data received". The claim did not previously defined that the data is received. For this reason, there is a lack of antecedent basis for the limitation of "data received", and the claim is indefinite. The examiner has interpreted the claim in the following way in order to advance prosecution: "based on a first measurement of the data ~~received~~ associated with the receiver".

Furthermore, the claim recites in lines 13-14 "and/or a rule varying a time value". It is unclear, by the way the claim is written, to which limitation belongs the aforementioned limitation of lines 13-14. It is unclear whether the aforementioned

limitation belongs to the limitation of modifying ("modifying, by the remote monitor, at least one rule of the set of rules and/or a rule varying a time value") or whether the aforementioned limitation belongs to the limitation of the set of one or more rules (modifying, by the remote monitor, at least one or more rules wherein the set of one or more rules include a rule defining an alert representative of an event and/or a rule varying a time value). Also, the term "and/or" recited in lines 13-14 of the claim can be interpreted as "or". If the term "and/or" is interpreted as "or", only one of the following limitations will be part of the claim interpretation: at least one rule of the set of one or more rules and a rule varying a time value. Since only one of the two limitations will be part of the claim interpretation, the limitations that further define the non-selected limitation will lack of antecedent basis. For the reasons described above, the claim is indefinite.

In regards to claims 2-4, 6-7 and 15-16, the claims are indefinite due to their dependency on indefinite claim 1.

In regards to claim 8, the claim recites in line 9 "by the remote monitor". The word "the" in front of the limitation(s) "remote monitor" means that the limitation(s) was/were previously defined. However, the limitation(s) was/were not previously defined. For this reason, the limitation(s) lack of antecedent basis and the claim is indefinite. The examiner has interpreted the claim in the following way in order to advance prosecution: "by the ~~remote monitor~~ apparatus".

The claim also recites in lines 9-10 "a set of one or more rules provided by the remote server associated with the data". The claim does not previously define a limitation that recites that the server is associated with the data. For this reason, there is a lack of antecedent basis for the limitation of "the remote server associated with the data", and the claim is indefinite. The examiner has interpreted the claim in the following way in order to advance prosecution: "a set of one or more rules provided by the remote server and associated with the data associated with the receiver".

Furthermore, the claim recites in line 10 "wherein the rules are generated". The claim recites in line 9 a set of one or more rule. It is unclear to which rules of the set of one or more rules is the limitation in line 10 is referring. For this reason, the claim is indefinite. The examiner has interpreted the claim in the following way in order to advance prosecution: "wherein the set of one or more rules are generated".

The claim also recites in line 11 "from the host device". The word "the" in front of the limitation(s) "host device" means that the limitation(s) was/were previously defined. However, the limitation(s) was/were not previously defined. For this reason, the limitation(s) lack of antecedent basis and the claim is indefinite. The examiner has interpreted the claim in the following way in order to advance prosecution: "from [[the]] a host device".

Also, the claim recites in line 14-15 "based on a first measurement of the data received". The claim did not previously defined that the data is received. For this reason, there is a lack of antecedent basis for the limitation of "data received", and the claim is indefinite. The examiner has interpreted the claim in the following way in order

to advance prosecution: "based on a first measurement of the data ~~received~~ associated with the receiver".

Furthermore, the claim recites in line 17 "and/or a rule varying a time value". It is unclear, by the way the claim is written, to which limitation belongs the aforementioned limitation in line 17. It is unclear whether the aforementioned limitation belongs to the limitation of modifying ("modifying, by the remote monitor, at least one rule of the set of rules and/or a rule varying a time value") or whether the aforementioned limitation belongs to the limitation of the set of one or more rules (modifying, by the remote monitor, at least one or more rules wherein the set of one or more rules include a rule defining an alert representative of an event and/or a rule varying a time value). Also, the term "and/or" recited in line 17 of the claim can be interpreted as "or". If the term "and/or" is interpreted as "or", only one of the following limitations will be part of the claim interpretation: at least one rule of the set of one or more rules and a rule varying a time value. Since only one of the two limitations will be part of the claim interpretation, the limitations that further define the non-selected limitation will lack of antecedent basis. For the reasons described above, the claim is indefinite.

In regards to claims 9-11 and 13-14, the claims are indefinite due to their dependency on indefinite claim 8.

Double Patenting Rejections

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

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on nonstatutory double patenting provided the reference application or patent either is shown to be commonly owned with the examined application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement. See MPEP § 717.02 for applications subject to examination under the first inventor to file provisions of the AIA as explained in MPEP § 2159. See MPEP §§ 706.02(l)(1) - 706.02(l)(3) for applications not subject to examination under the first inventor to file

provisions of the AIA. A terminal disclaimer must be signed in compliance with 37 CFR 1.321(b).

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

5. Claims 1-4, 6, 8-11 and 13-14 are rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1-5 and 16-21 of U.S. Patent No. 9,585,563. Although the claims at issue are not identical, they are not patentably distinct from each other because the instant application and the aforementioned patents claim a method to receive an invitation and notifications at a remote monitor, whereas claims 1-6 and 8-14 of the instant application are a broader version of claims 1-4, 16-19 and 21 of the aforementioned patent as illustrated below. Therefore, the claims of the instant application are encompassed by the claims of the aforementioned patent, and it would have been obvious to a person of ordinary skill in the art at the time of the invention to arrive the broader claims as recited in the instant application.

Instant Application 15/617977	**US Patent 9,585,563**
Claim 1: A method comprising:	**Claim 1:** A method comprising:

receiving, at a remote monitor, an invitation to access a secure server and data associated with a receiver monitoring an analyte state of a host; providing, from the remote monitor to the secure server, an acceptance to the invitation;	receiving, at a mobile remote monitoring apparatus configured to be used by a remote monitoring user, an invitation to access a secure server storing data associated with a mobile receiver that at least periodically monitors an analyte concentration state of a host and to receive a message on the mobile remote monitoring apparatus regarding a health condition based on the analyte concentration state of the host who is remote to the mobile remote monitoring apparatus and who is not in a medical facility, wherein the invitation is triggered to be sent to the mobile remote monitoring apparatus in response to the host providing, using the mobile receiver, an identifier that identifies the remote monitoring user;
identifying, by the remote monitor, a set of one or more rules provided by the remote server associated with the data, wherein the rules are generated according to one or more preferences or settings from the host device; and	receiving, by the mobile remote monitoring apparatus, a set of recommended rule settings associated with the invitation, the set of recommended rule settings being configured by the host using the mobile receiver, at least one of the set of recommended rule settings being modifiable by the remote monitoring user using the mobile remote monitoring apparatus; receiving, by the mobile remote monitoring apparatus, user input indicative of acceptance of the invitation to access the secure server and receive the data associated with the analyte concentration state of the host from the mobile receiver, wherein the access is activated by the secure server after receipt of the acceptance by the secure server; and
modifying, by the remote monitor, at least one rule of the set of one or more rules wherein the set of one or more rules include a rule defining an alert representative of an event associated with the analyte state of the host, the event being determined by the secure server based on a first measurement of the data received regarding the analyte state of the host at a first time, wherein the alert, when triggered at the first time, causes an alert message to be sent to the remote monitor from a server to notify the remote monitor of the event and/or a rule varying a time value as to when a reminder message is sent to the remote monitor after the alert message is sent to the remote monitor, the reminder message only being sent if the alert message has not been previously acknowledged by the remote monitor and only if the event associated with the analyte state of the	modifying, by the mobile remote monitoring apparatus, a rule setting of the set of recommended rules settings defining an alert, the alert being representative of an event associated with the health condition based on the analyte concentration state of the host, wherein the alert, when triggered, causes the message to be sent to the mobile remote monitoring apparatus to notify the remote monitoring user of the event.

host has not changed, based on a second measurement of the data at a second time, after the alert message was sent.	
Claim 2: The method of claim 1, wherein the modifying comprises varying a first threshold associated with a low level of glucose at the host.	**Claim 2:** The method of claim 1, wherein the modifying the rule setting comprises varying a first threshold associated with a low level of glucose at the host.
Claim 3: The method of claim 1, wherein the modifying comprises varying a second threshold associated with a high level of glucose at the host.	**Claim 3:** The method of claim 1, wherein the modifying the rule setting comprises varying a second threshold associated with a high level of glucose at the host.
Claim 4: The method of claim 1, further comprising modifying a rule varying a delay between when a notification message is sent to the receiver and the alert message is sent to the remote monitor.	**Claim 4:** The method of claim 1, wherein the modifying the rule setting comprises varying a delay before the message is sent to the mobile remote monitoring apparatus.
Claim 6: The method of claim 1, wherein the invitation is associated with a set of recommended rule settings configured by a host monitoring system, wherein the recommended settings are provided to the remote monitor for acceptance or modification.	**Part of Claim 1:** … receiving, by the mobile remote monitoring apparatus, a set of recommended rule settings associated with the invitation, the set of recommended rule settings being configured by the host using the mobile receiver, at least one of the set of recommended rule settings being modifiable by the remote monitoring user using the mobile remote monitoring apparatus; …
Claim 8: An apparatus for remote monitoring of a host's analyte levels, the apparatus comprising: at least one processor; and at least one memory including code, which when executed by the at least one processor causes the apparatus to: receive an invitation to access a secure server and data associated with a receiver monitoring an analyte state of a host; provide to the secure server an acceptance to the invitation; identify, by the remote monitor, a set of one or more rules provided by the remote server associated with the data, wherein the rules are	**Claim 16:** A mobile remote monitoring apparatus configured to be used by a remote monitoring user for remote monitoring of a host's analyte concentration levels, the mobile remote monitoring apparatus comprising: at least one processor; and at least one memory including code, which when executed by the at least one processor causes the mobile remote monitoring apparatus to receive, at the mobile remote monitoring apparatus, an invitation to access a secure server storing data associated with a mobile receiver at least periodically monitors an analyte concentration state of a host and to receive a message regarding a health condition based on the analyte concentration state of the host who is remote to the mobile remote monitoring apparatus and who is not in a medical facility, wherein the invitation is triggered to be sent to the mobile remote monitoring apparatus in response to the host providing, using the mobile receiver, an identifier that identifies the remote monitoring user; receive, by the mobile remote monitoring apparatus, a set of recommended rule settings associated with the invitation, the set of recommended rule settings being configured by

generated according to one or more preferences or settings from the host device; and modify at least one rule of the set of one or more rules wherein the set of one or more rules include a rule defining an alert representative of an event associated with the analyte state of the host, the event being determined by the secure server based on a first measurement of the data received regarding the analyte state of the host at a first time, wherein the alert, when triggered at the first time, causes an alert message to be sent to the apparatus from a server to notify the apparatus of the eventt and/or a rule varying a time value as to when a reminder message is sent to the apparatus after the alert message is sent, the reminder message only being sent if the alert message has not been previously acknowledged by the apparatus and only if the event associated with the analyte state of the host has not changed, based on a second measurement of the data at a second time, after the alert message was sent.	the host using the mobile receiver, at least one of the set of recommended rule settings being modifiable by the remote monitoring user using the mobile remote monitoring apparatus; and modify, by the mobile remote monitoring apparatus, a rule setting of the set of recommended rules settings defining an alert, the alert being representative of an event associated with the health condition based on the analyte concentration state of the host, wherein the alert, when triggered, causes the message to be sent to the mobile remote monitoring apparatus from a server to notify the remote monitoring user of the event.
Claim 9: The apparatus of claim 8, wherein the modifying comprises varying a first threshold associated with a low level of glucose at the host.	**Claim 17:** The mobile remote monitoring apparatus of claim 16, wherein the code that causes the mobile remote monitoring apparatus to modify the rule setting comprises code that causes the mobile remote monitoring apparatus to vary a first threshold associated with a low level of glucose at the host.
Claim 10: The apparatus of claim 8, wherein the modifying comprises varying a second threshold associated with a high level of glucose at the host.	**Claim 18:** The mobile remote monitoring apparatus of claim 16, wherein the code that causes the mobile remote monitoring apparatus to modify the rule setting comprises code that causes the mobile remote monitoring apparatus to vary a second threshold associated with a high level of glucose at the host.
Claim 11: The apparatus of claim 8, wherein the code further causes the apparatus to modify a rule comprises varying a delay between when a message is sent to the receiver and the alert message is sent to the apparatus.	**Claim 19:** The mobile remote monitoring apparatus of claim 16, wherein the code that causes the mobile remote monitoring apparatus to modify the rule setting comprises code that causes the mobile remote monitoring apparatus to vary a delay before the message is sent to the mobile remote monitoring apparatus.
Claim 13: The apparatus of claim 8, wherein the invitation is associated with a set of recommended rule settings configured by a host monitoring system, wherein the recommended settings are	**Part of Claim 16:** ...receive, by the mobile remote monitoring apparatus, a set of recommended rule settings associated with the invitation, the set of recommended rule settings being configured by the host using the mobile receiver, at least one of

provided to the apparatus for acceptance or modification.	the set of recommended rule settings being modifiable by the remote monitoring user using the mobile remote monitoring apparatus; and…
Claim 14: The apparatus of claim 8, wherein the apparatus is configured to accept the invitation responsive to user input at the apparatus, wherein accepting the invitation programically establishes an account associated with the apparatus at the server.	**Claim 21:** The mobile remote monitoring apparatus of claim 16, wherein the mobile remote monitoring apparatus is configured to accept the invitation responsive to user input at the mobile remote monitoring apparatus, wherein accepting the invitation programically establishes an account associated with the remote monitoring user at the secure server.

Claim Rejections - 35 USC § 103

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

> (a) A patent may not be obtained through the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

6. Claim(s) 1-3, 8-10, 15 and 16 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Robertson et al. (US-2013/0117696) in view of Goodnow, et al. (US-20006/0010098), Killen et al (US-2012/0136221), Valdes et al. (US-2012/0108934), Carnes (US-8,912,897) and Manahan et al. (US-8,821,622).

In regards to claim 1, Robertson teaches a method comprising the step of receiving, at a remote monitor, an invitation to access a secure server and data associated with a receiver monitoring physiological state of a host [fig. 1 elements 108 (receiver) and 122 (secure server), fig. 8 (remote monitor accessing data), fig. 31 (invitation), par. 0101 L. 1-14, par. 0106 L. 18-25]. Furthermore, Robertson teaches

that the method comprises the step of providing, from the remote monitor to the secure server, an acceptance to the invitation [par. 0106 L. 24-31].

Robertson does not teach that the method comprises a step of identifying, by the remote monitor, a set of one or more rules provided by the server. Robertson does not teach that the method comprises a step of modifying, by the remote monitor, at least one rule of the set of one or more rules.

On the other hand, Goodnow teaches that a host can set up, using a host device, one or more target values for glucose measurements of the host (a set of one or more rules associated with the data), and that a remote monitoring device, which was invited by the host and is authorized to receive the host's data from a server, can modify the target values [par. 0218 L. 3-10, par. 0235, par. 0238, par. 0409]. Goodnow's teachings means that the method comprises a step of identifying, by the remote monitor, a set of one or more rules provided by the remote server and associated with the data associated with the receiver, in order to be able to modify the set of one or more rules, and the teachings also mean that the rules are generated according to one or more preferences or settings from a host device. Furthermore, Goodnow teaches that the method comprises the step of modifying, by the remote monitor, at least one rule of the set of one or more rules [par. 0409].

It would have been obvious to one of ordinary skill in the art, at the time of the invention, to use Goodnow's teachings of setting up rules using a host device and permitting a remote monitor device to modify those rules in the method taught by Robertson because it will permit the caregiver, which may have more knowledge about the proper target values for the host, to adjust the rules according to the host's needs.

The combination of Robertson and Goodnow teaches that the method comprises the step of modifying, by the remote monitor, at least one rule of the set of one or more rules wherein the set of one or more rules include rules that detect abnormal events regarding analyte state of the host [see Goodnow par. 0238, par. 0409]. However, the combination does not teach that an alert is generated when the abnormal event is detected.

On the other hand, Killen teaches accessing data about a physiological state of a host in a secure server by a remote monitor [fig. 1 element 8]. Killen further teaches that physiological data that is monitored can be glucose (analyte state of a host) [par. 0184 L. 7-10]. Killen further teaches that the rules used to detect abnormal events and modified by the remote monitor can be used by the server to generate alerts for the remote monitor based on the received analyte measurements of the host [fig. A72, par. 0143 L. 4-10, par. 0154]. This means that the set one or more rules include a rule defining an alert representative of an event associated with the analyte state of the host, the event being determined by the secure server based on a first measurement of the data regarding the state of the host at a first time, wherein the alert, when triggered at the first time, causes an alert message to be sent to the remote monitor from a server to notify the remote monitor of the event [fig. A72, par. 0143 L. 4-10, par. 0154].

It would have been obvious to one of ordinary skill in the art, at the time of the invention, to use Killen's teachings of modifying rules to generate alerts about the monitored parameter in the method taught by the combination because it will permit the remote monitoring device to monitor other physiological data such as blood glucose and receive notifications when an abnormal condition is detected by the server.

The combination of Robertson, Goodnow and Killen does not teach that the analyte data is monitored by a receiver.

On the other hand, Valdes teaches that the analyte data can be also monitored by the receiver which will then transmit the data to the server [fig. 1, par. 0089].

It would have been obvious to one of ordinary skill in the art, at the time of the invention, to use Valdes's teachings of using a receiver to transmit the data to the server in the method taught by the combination because it will permit the system monitor the analyte state of a host continuously.

The combination of Robertson, Goodnow, Killen and Valdes teaches that a user can use the remote monitor to modify alert rules [see Goodnow par. 0409, see Killen fig. A72, par. 0143 L. 4-10, par. 0154]. However, the combination does not teach that the set of one or more rules includes a time value of when a reminder message is sent to the remote monitor.

On the other hand, Carnes teaches that the set of one or more rules, which can be modified by the user, can include a rule varying a time as to when a reminder message is sent to the remote monitor [col. 9 L. 9-13]. Carnes further teaches that the reminder message is only sent if the alert message has not been previously acknowledged [col. 9 L. 9-13].

It would have been obvious to one of ordinary skill in the art, at the time of the invention, to use Carnes's teachings of setting a time to send a reminder message in the method taught by the combination because it will permit the user of the remote monitor to configure the time a reminder message is sent and to prevent that alerts are left unattended.

The combination of Robertson, Goodnow, Killen, Valdes and Carnes does not teach that the reminder message is sent only if the event associated with monitored condition has not changed after the alert message was sent.

On the other hand, Manahan teaches that a system, monitoring measurements of a sensor, can send a notification of an event to a user device based on a first measurement taken at a first time by the sensor [col. 13 L. 33-37, col. 14 L. 6-14 and L. 31-40]. Furthermore, Manahan teaches that the notification of the event is transmitted again until the parameter sensed by the sensor returns to a normal level [col. 23 L. 23-26]. The aforementioned teaching means that the system continues to receive measurements at a second time and will transmit the notification again (reminder) only if the sensed parameter has not changed, based on the second measurement of the data at the second time, after the alert message was sent.

It would have been obvious to one of ordinary skill in the art, at the time of the invention, to use Manahan's teachings of transmitting alert (reminder) until the second measurement is back to normal in the method taught by the combination because it will permit the system to remind the remote monitoring device that an alert condition exist, which in this case is associated with the analyte state of the host, and to know when the state of the host has returned to normal.

In regards to claims 2 and 3, the combination of Robertson, Goodnow, Killen, Valdes, Carnes and Manahan, as applied in claim 1 above, further teaches that modifying comprises varying a first and a second threshold values associated with the monitored physiological parameter [see Goodnow par. 0238, par. 0409, see Killen fig.

A72, par. 0143 L. 4-10, par. 0154]. Furthermore, the combination teaches that when glucose is being monitored the threshold values can be associated with low level of glucose of the host and a high level glucose of the host [see Goodnow par. 0238, see Valdes par. 0048].

In regards to claim 8, the combination of Robertson, Goodnow, Killen, Valdes, Carnes and Manahan, as shown in claim 1 above, teaches the claimed limitations. The combination further teaches that the remote monitor further comprises at least one processor; and at least one memory including code, which when executed by the at least one processor causes the apparatus to perform the method [see Robertson par. 0008 L. 6-7, par. 0102 L. 1-3, par. 0106 L. 24-25, par. 0147, par. 0155 L. 1-5, see Killen fig. 2].

In regards to claims 9 and 10, the combination of Robertson, Goodnow, Killen, Valdes, Carnes and Manahan, as shown in claims 2 and 3 above, teaches the claimed limitations.

In regards to claims 15 and 16, the combination of Robertson, Goodnow, Killen, Valdes, Carnes and Manahan, as applied in claims 1 and 8 above, further teaches that the user of the remote monitor can accept the invitation and also modify the rule varying the time value [see Robertson par. 0106 L. 24-25, see Carnes col. 9 L. 6-13]. The combination does not teach that the user accepts the invitation after modifying the rule varying the time value. However, one of ordinary skill in the art would

have modified the method taught by the combination so the user can modify the claimed rule before accepting the invitation because this will permit the user to set up the rules and send them together with the acceptance of the invitation in a single message.

7. Claim(s) 4 and 11 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Robertson et al. (US-2013/0117696) in view of Goodnow, et al. (US-20006/0010098), Killen et al (US-2012/0136221), Valdes et al. (US-2012/0108934), Carnes (US-8,912,897) and Manahan et al. (US-8,821,622) as applied to claims 1 and 8 above, and further in view of Hastings (US-2005/0148890).

In regards to claim 4, the combination of Robertson, Goodnow, Killen, Valdes, Carnes and Manahan, as applied in claim 1 above , teaches that a notification can be sent to the receiver and the alert message to the remote monitor [see Robertson fig. 4 (alert message) fig. 106 (notification), par. 0096 L. 1-6, par. 0223 L. 1-4]. However, the combination does not teach that modifying the rule comprises varying a delay between when the message is sent to the receiver and a notification message is sent to the remote monitor.

On the other hand, Hastings teaches a method to receive alerts at a remote monitor where the user of the remote monitor can select the time when the alert is received at the remote monitor [par. 0178 L. 1-4, par. 0179 L. 12-14]. This means that the method comprises the step of varying a delay between when a notification message is sent to the receiver and an alert message is sent to the remote monitor because the user of the remote monitor can decide when to receive the alert message.

It would have been obvious to one of ordinary skill in the art, at the time of the invention, to use Hastings' teachings of letting the user to select the time when the notification is sent in the method taught by the combination because it will permit the user of the remote monitor device to decide when to receive the notification.

In regards to claim 11, the combination of Robertson, Goodnow, Killen, Valdes, Carnes, Manahan and Hastings, as shown in claim 4 above, teaches the claimed limitations.

8. Claim(s) 6 and 13 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Robertson et al. (US-2013/0117696) in view of Goodnow, et al. (US-20006/0010098), Killen et al (US-2012/0136221), Valdes et al. (US-2012/0108934), Carnes (US-8,912,897) and Manahan et al. (US-8,821,622) as applied to claims 1 and 8 above, and further in view of Thomas et al. (US-2013/0173742).

In regards to claim 6, the combination of Robertson, Goodnow, Killen, Valdes, Carnes and Manahan, as applied in claim 1 above, teaches that a host can authorize a user to modify notification rule settings [see Goodnow par, 0235, par. 0409]. This means that a host can configure notification rule settings (set of recommended rule settings) and later authorize a remote monitor to modify and/or accept those rules. However, the combination does not teach that the invitation is associated with a set of recommended settings that can be modified by the remote monitor.

The combination of Robertson, Goodnow, Killen, Valdes, Carnes and Manahan does not teach that the set of recommended settings are included with the invitation.

On the other hand, Thomas teaches the concept that when a host in a system invites another user, the invitation will include settings established by the host and that the invitee can accept or modify [par. 0088 L. 1-5, par. 0091 L. 1-5, par. 0092 L. 15-21].

It would have been obvious to one of ordinary skill in the art, at the time of the invention, to use Thomas' teachings of including the rules with the invitation in the method taught by the combination because it will permit the system to send the rule settings and the invitation in a single message and reduce traffic in the system.

In regards to claim 13, the combination of Robertson, Goodnow, Killen, Valdes, Carnes, Manahan and Thomas, as shown in claim 6 above, teaches the claimed limitations.

9. Claim(s) 7 and 14 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Robertson et al. (US-2013/0117696) in view of Goodnow, et al. (US-20006/0010098), Killen et al (US-2012/0136221), Valdes et al. (US-2012/0108934), Carnes (US-8,912,897) and Manahan et al. (US-8,821,622) as applied to claims 1 and 8 above, and further in view of Daoud et al. (US-2013/0159456)

In regards to claim 7, the combination of Robertson, Goodnow, Killen, Valdes, Carnes and Manahan, as applied in claim 1 above, teaches that the user of the remote device can accept the invitation [see Robertson par. 0106 L. 24-25]. However, the

combination does not explicitly state that an account is created when accepting the invitation.

On the other hand, Daoud teaches that accepting the invitation programically establishes an account associated with the remote monitor at the server [fig. 24 element 2404, par. 0038 L. 8-15, par. 0081 L. 29-36].

It would have been obvious to one of ordinary skill in the art, at the time of the invention, to use Daoud' teachings of creating an account when the invitation is accepted in the method taught by the combination because it will permit the user of the remote device to create an account when an invitation is received for the first time in order the user can access the data at the server securely whenever the user desires.

In regards to claim 14, the combination of Robertson, Goodnow, Killen, Valdes, Carnes, Manahan and Daoud, as shown in claim 7 above, teaches the claimed limitations.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to FRANKLIN D BALSECA whose telephone number is (571)270-5966. The examiner can normally be reached on 6AM-4PM EST M-F.

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, Hai Phan can be reached on (571) 272-6338.

Information regarding the status of an application may be obtained from the Patent Application Retrieval (PAIR) system. Status information for published applications may be obtained from either 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. If you have questions on how to access to 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 US OR CANADA) or (571)272-1000.

/FRANKLIN D BALSECA/
Examiner, Art Unit 2685

Notice of References Cited	Application/Control No. 15/617,977	Applicant(s)/Patent Under Reexamination Mensinger et al.	
	Examiner FRANKLIN D BALSECA	Art Unit 2685	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-20060010098-A1	01-2006	Goodnow; Timothy T.	G06F19/324	1/1
	B					
	C					
	D					
	E					
	F					
	G					
	H					
	I					
	J					
	K					
	L					
	M					

FOREIGN PATENT DOCUMENTS

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

NON-PATENT DOCUMENTS

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

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

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15/617,977	Mensinger et al.
	Examiner	Art Unit
	FRANKLIN D BALSECA	2685

CPC - Searched*		
Symbol	**Date**	**Examiner**
A61B5/ 0002,0004,0022,145,14532,7264,7282,742,743,746,0015,0024,02,7435,7465	12/04/2017	FB
G06F19/3418,30,32,34,3406,3487	12/04/2017	FB
H04L67/12	12/04/2017	FB
H04Q9/00	12/04/2017	FB
H04Q2209/00,10,40,50,82,823,826	12/04/2017	FB
Updated Search	06/21/2018	FB
Updated Search	11/19/2018	FB
Updated Search	08/06/2019	FB
G16H40/67,20,63	08/06/2019	FB
G16H20/00,40	08/06/2019	FB
G16H15/00	08/06/2019	FB
G16H50/70,20	08/06/2019	FB
H04Q2209/70	08/06/2019	FB
Updated Search		

CPC Combination Sets - Searched*		
Symbol	**Date**	**Examiner**

US Classification - Searched*			
Class	**Subclass**	**Date**	**Examiner**

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

/FRANKLIN D BALSECA/ Examiner, Art Unit 2685	

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15/617,977	Mensinger et al.
	Examiner	Art Unit
	FRANKLIN D BALSECA	2685

Search Notes		
Search Notes	**Date**	**Examiner**
Inventor Search	12/04/2017	FB
East Search	12/04/2017	FB
A61B5/ 0002,0004,0022,145,14532,7264,7282,742,743,746,0015,0024,02,7 435,7465 and text limited. See search history printout.	12/04/2017	FB
G06F19/3418,30,32,34,3406,3487 and text limited. See search history printout.	12/04/2017	FB
H04L67/12 and text limited. See search history printout.	12/04/2017	FB
H04Q9/00 and text limited. See search history printout.	12/04/2017	FB
H04Q2209/00,10,40,50,82,823,826 and text limited. See search history printout.	12/04/2017	FB
Updated East and text limited class search	06/21/2018	FB
Updated East and text limited class search	11/19/2018	FB
Updated East and text limited class search	08/06/2019	FB
G16H40/67,20,63 and text limited. See search history printout.	08/06/2019	FB
G16H20/40 and text limited. See search history printout.	08/06/2019	FB
G16H15/00 and text limited. See search history printout.	08/06/2019	FB
G16H50/70,20 and text limited. See search history printout.	08/06/2019	FB
H04Q2209/70 and text limited. See search history printout.	08/06/2019	FB
Updated Inventor Search	01/09/2020	FB
Updated East and text limited class search	01/09/2020	FB

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

/FRANKLIN D BALSECA/ Examiner, Art Unit 2685	

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15/617,977	Mensinger et al.
	Examiner	Art Unit
	FRANKLIN D BALSECA	2685

✓	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								
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	14	✓	✓	✓	✓	✓				
	15		✓	✓	✓	✓				
	16		✓	✓	✓	✓				

PTO/SB/08 Equivalent

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	15/617977
	Filing Date	June 08, 2017
	First Named Inventor	Mensinger, Michael Robert
	Art Unit	2685
(Multiple sheets used when necessary)	Examiner	Balseca, Franklin D.
SHEET 1 OF 1	Attorney Docket No.	DEXCOM.225C3 / 225C9

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number *Number - Kind Code (if known)* Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1	6,477,424	11-05-2002	Thompson et al.	
	2	8,527,449	09-03-2013	Gajic et al.	
	3	10,499,811	12-10-2019	Mensinger et al.	
	4	2009/0192366	07-30-2009	Mensinger et al.	

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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, page(s), volume-issue number(s), publisher, city and/or country where published.	**T[1]**

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Examiner Signature	/FRANKLIN D BALSECA/	Date Considered	01/09/2020

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

T[1] - Place a check mark in this area when an English language Translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /F.D.B/

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	(US-20170303785-$).did.	US-PGPUB	OR	ON	2020/01/09 06:53
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L13	38812	H04L67/12.cpc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2020/01/09 08:53
L14	13711	H04Q9/00.cpc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2020/01/09 08:53
L15	5738	H04Q2209/00,10,40,50,82,823,826.cpc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2020/01/09 08:54
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L19	19848	G16H50/70,20.cpc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2020/01/09 08:55
L20	106	H04Q2209/70.cpc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2020/01/09 08:55
L21	4840	G16H20/00,40.cpc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2020/01/09 08:57
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L31	57	L23 and ((right or permit$4 or permission or authoriz$6) near5 (modifi$4 or modify$4 or adjust$4) near5 (thershold or rule or setting or configuration or target))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2020/01/09 10:35
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		or US-20130116526-$ or US-20130159456-$ or US-20050148890-$ or US-20040243941-$ or US-20130173742-$ or US-20050165627-$ or US-20150019231-$ or US-20140206976-$ or US-20130116578-$ or US-20130095459-$ or US-20130013327-$ or US-20080077435-$ or US-20120289787-$ or US-20120277543-$ or US-20080157980-$ or US-20110161111-$ or US-20090088607-$ or US-20060293570-$).did. or (US-20060089542-$ or US-20090062696-$ or US-20110295127-$ or US-20110270347-$ or US-20160079787-$ or US-20090309756-$).did. or (US-9585563-$ or US-9730621-$ or US-8005546-$ or US-8653965-$ or US-8517941-$ or US-5648917-$).did. or (US-20050148890-$ or US-20080208069-$ or US-20020008625-$ or US-20100013639-$ or US-20120209088-$ or US-20080119710-$).did. or (US-9019106-$ or US-8364221-$ or US-6492901-$ or US-4688183-$ or US-7221282-$ or US-7528711-$ or US-7729202-$ or US-6847892-$ or US-8803683-$ or US-8912897-$).did. or (US-20070153993-$ or US-20130159039-$ or US-20110071765-$).did. or (US-6492901-$ or US-6522754-$ or US-8121861-$ or US-6992590-$).did. or (US-20140058805-$ or US-20100332023-$ or US-20090177517-$).did. or (US-8121861-$ or US-8548630-$ or US-7200779-$ or US-8821622-$ or US-7246156-$).did.	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S2	501	((("MENSINGER") near3 ("Michael")) OR (("COHEN") near3 ("Eric")) OR (("MAYOU") near3 ("Phil")) OR (("REIHMAN") near3 ("Eli")) OR (("KOEHLER") near3 ("Katherine")) OR (("DRAEGER") near3 ("Rian")) OR (("TRAVEN") near3 ("Angela"))).INV.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2020/01/08 12:40
S3	535	((("DEXCOM") near3 ("INC"))).AS,AANM.	USPAT	OR	ON	2020/01/08 12:40
S4	12	S2 and (invitation).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2020/01/08 12:51
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EAST Search History (Interference)

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PTO/SB/08 Equivalent

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	15/617977
	Filing Date	June 08, 2017
	First Named Inventor	Mensinger, Michael Robert
	Art Unit	2685
(Multiple sheets used when necessary)	Examiner	Balseca, Franklin D.
SHEET 1 OF 2	Attorney Docket No.	DEXCOM.225C3

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number *Number - Kind Code (if known)* Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1	5,572,999	11-12-1996	Funda et al.	
	2	5,590,648	01-07-1997	Mitchell et al.	
	3	5,970,457	10-19-1999	Brant et al.	
	4	6,053,887	04-25-2000	Levitas et al.	
	5	6,224,542	05-01-2001	Chang et al.	
	6	6,270,455	08-07-2001	Brown	
	7	6,278,975	08-21-2001	Brant et al.	
	8	6,334,778	01-01-2002	Brown	
	9	6,415,166	07-02-2002	Van Hoy et al.	
	10	6,463,361	10-08-2002	Wang et al.	
	11	6,544,174	04-08-2003	West et al.	
	12	6,558,320	05-06-2003	Causey et al.	
	13	6,592,528	07-15-2003	Amano	
	14	6,602,191	08-05-2003	Quy	
	15	6,638,223	10-28-2003	Lifshitz et al.	
	16	6,641,533	11-04-2003	Causey et al.	
	17	6,775,577	08-10-2004	Crnkovich et al.	
	18	6,816,241	11-09-2004	Grubisic	
	19	7,088,233	08-08-2006	Menard	
	20	7,134,994	11-14-2006	Alpert et al.	
	21	7,278,983	10-09-2007	Ireland et al.	
	22	7,294,105	11-13-2007	Islam	
	23	8,472,108	06-25-2013	Islam	
	24	2002/0061092	05-23-2002	Maropis et al.	
	25	2002/0019584	02-14-2002	Schulze et al.	
	26	2011/0199214	08-18-2011	Gawlick	
	27	2012/0296988	11-22-2012	Rao	

Examiner Signature	Date Considered

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

T[1] - Place a check mark in this area when an English language Translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /F.D.B/

PTO/SB/08 Equivalent

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	15/617977
	Filing Date	June 08, 2017
	First Named Inventor	Mensinger, Michael Robert
	Art Unit	2685
(Multiple sheets used when necessary)	Examiner	Balseca, Franklin D.
SHEET 2 OF 2	Attorney Docket No.	DEXCOM.225C3

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number *Number - Kind Code (if known)* Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	28	2014/0184422	05-01-2014	Mensinger et al.	
	29	2014/0187889	07-03-2014	Cohen et al.	
	30	2014/0187890	07-03-2014	Mensinger et al.	
	31	2014/0188398	07-03-2014	Cohen et al.	
	32	2016/0066867	03-10-2016	Mensinger et al.	
	33	2016/0066866	03-10-2016	Mensinger et al.	
	34	2016/0066868	03-10-2016	Mensinger et al.	
	35	2016/0073879	03-17-2016	Mensinger et al.	
	36	2016/0073880	03-17-2016	Mensinger et al.	
	37	2017//0293732	10-12-2017	Cohen et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document *Country Code-Number-Kind Code* Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T[1]
	38	JP 2008-516303 A	05-15-2008	Cardinal Health	Corresponding English Equivalent US20060047538 previously disclosed	✓-Abs
	39	WO 2003/094074	11-13-2003	Lifestream Technologies, Inc.		

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, page(s), volume-issue number(s), publisher, city and/or country where published.	T[1]

31582149:abt

Examiner Signature /FRANKLIN D BALSECA/	Date Considered 01/09/2020

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

T[1] - Place a check mark in this area when an English language Translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /F.D.B/

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Michael Robert Mensinger	Examiner: Balseca, Franklin D.
Serial No.: 15/617,977	Art Unit: 2685
Filed: June 8, 2017	Conf. No.: 8138
Title: Remote Monitoring of Analyte Measurements	

AMENDMENT

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

Dear Sir:

In response the Office Action mailed January 15, 2020, Applicant respectfully requests withdrawal of the outstanding rejections in light of the amendments and remarks herein.

Amendments to the Claims begin on page 2.

Remarks begin on page 5.

Abbott Ex. 1002 - 499/848

AMENDMENTS TO THE CLAIMS

Without prejudice or surrender of any subject matter, this listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) A method comprising:

receiving, at a remote monitor, an invitation to access a secure server and data associated with a receiver monitoring an analyte state of a host;

providing, from the remote monitor to the secure server, an acceptance to the invitation;

identifying, by the remote monitor, a set of one or more rules provided by the ~~remote~~ secure server and associated with the data associated with the receiver, wherein the set of one or more rules are generated according to one or more preferences or settings from ~~the~~ a host device; and

modifying, by the remote monitor, at least one rule of the set of one or more rules wherein the set of one or more rules ~~include~~ includes a rule defining an alert representative of an event associated with the analyte state of the host, the event being determined by the secure server based on a first measurement of the data ~~received~~ associated with the receiver regarding the analyte state of the host at a first time, wherein the alert, when triggered at the first time, causes an alert message to be sent to the remote monitor from a server to notify the remote monitor of at least one of the event and~~/or~~ a rule of the set of one or more rules varying a time value as to when a reminder message is sent to the remote monitor after the alert message is sent to the remote monitor, the reminder message only being sent if the alert message has not been previously acknowledged by the remote monitor and only if the event associated with the analyte state of the host has not changed, based on a second measurement of the data at a second time, after the alert message was sent.

2. (Previously Presented) The method of claim 1, wherein the modifying comprises varying a first threshold associated with a low level of glucose at the host.

3. (Previously Presented) The method of claim 1, wherein the modifying comprises varying a second threshold associated with a high level of glucose at the host.

4. (Previously Presented) The method of claim 1, further comprising modifying a rule varying a delay between when a notification message is sent to the receiver and the alert message is sent to the remote monitor.

Abbott Ex. 1002 - 500/848

5. (Cancelled)

6. (Original) The method of claim 1, wherein the invitation is associated with a set of recommended rule settings configured by a host monitoring system, wherein the recommended settings are provided to the remote monitor for acceptance or modification.

7. (Previously Presented) The method of claim 1, wherein accepting the invitation programically establishes an account associated with the remote monitor at the server.

8. (Currently Amended) An apparatus for remote monitoring of a host's analyte levels, the apparatus comprising:

at least one processor; and

at least one memory including code, which when executed by the at least one processor causes the apparatus to:

receive an invitation to access a secure server and data associated with a receiver monitoring an analyte state of a host;

provide to the secure server an acceptance to the invitation;

identify, by the apparatus ~~remote monitor~~, a set of one or more rules provided by the ~~remote~~ secure server and associated with the data associated with the receiver, wherein the set of one or more rules are generated according to one or more preferences or settings from ~~the~~ a host device; and

modify at least one rule of the set of one or more rules wherein the set of one or more rules include a rule defining an alert representative of an event associated with the analyte state of the host, the event being determined by the secure server based on a first measurement of the data ~~received~~ associated with the receiver regarding the analyte state of the host at a first time, wherein the alert, when triggered at the first time, causes an alert message to be sent to the apparatus from a server to notify the apparatus of at least one of the ~~eventt~~ event and~~/or~~ a rule of the set of one or more rules varying a time value as to when a reminder message is sent to the apparatus after the alert message is sent, the reminder message only being sent if the alert message has not been previously acknowledged by the apparatus and only if the event associated with the analyte state of the host has not changed, based on a second measurement of the data at a second time, after the alert message was sent.

Abbott Ex. 1002 - 501/848

9. (Previously Presented) The apparatus of claim 8, wherein the modifying comprises varying a first threshold associated with a low level of glucose at the host.

10. (Previously Presented) The apparatus of claim 8, wherein the modifying comprises varying a second threshold associated with a high level of glucose at the host.

11. (Previously Presented) The apparatus of claim 8, wherein the code further causes the apparatus to modify a rule varying a delay between when a message is sent to the receiver and the alert message is sent to the apparatus.

12. (Cancelled)

13. (Previously Presented) The apparatus of claim 8, wherein the invitation is associated with a set of recommended rule settings configured by a host monitoring system, wherein the recommended settings are provided to the apparatus for acceptance or modification.

14. (Previously Presented) The apparatus of claim 8, wherein the apparatus is configured to accept the invitation responsive to user input at the apparatus, wherein accepting the invitation programically establishes an account associated with the apparatus at the server.

15. (Previously Presented) The method of claim 1, wherein providing the acceptance to the invitation occurs after modifying the rule varying the time value as to when a reminder message is sent to the remote monitor after the alert message is sent to the remote monitor.

16. (Currently Amended) The ~~method~~ apparatus of claim [[1]] 8, wherein the apparatus is configured to provide ~~providing~~ the acceptance to the invitation ~~occurs~~ after modifying the rule varying the time value as to when a reminder message is sent to the remote monitor after the alert message is sent to the remote monitor.

Abbott Ex. 1002 - 502/848

REMARKS

Claims 1-4, 6-11, and 13-16 are pending and stand rejected. By the present amendment, Claims 1, 8, and 16 have been amended. Support for the amendments is found in the specification and claims as filed. By the following remarks, Applicant does not acquiesce to the propriety of any of the Examiner's objections or rejections and does not disclaim any subject matter to which Applicant is entitled. *Cf. Warner-Jenkinson Co. v. Hilton Davis Chem. Co.*, 41 U.S.P.Q. 2d 1865 (U.S. 1997). Cancellation and/or amendment of certain claims in this or any other response is not to be construed as a dedication to the public of any of the subject matter of the claims as previously presented, and Applicant reserves the ability to pursue the amended claims as filed, the canceled claims or similar claims in one or more continuing applications, e.g., continuation, divisional, or continuation-in-part applications.

Claim Objections

Claims 8-11 and 13-16 have been objected to. Claim 8 has been objected to for a typographical error. The misspelling has been corrected in Claim 8. Claims 15 and 16 have been objected to as reciting the same limitation. Claim 16 has been amended to depend from Claim 8. In view of the foregoing, Applicant respectfully requests withdrawal of the objections.

Claim Rejections – 35 USC §112

Claims 1-4, 6-11, and 13-16 have been rejected under 35 U.S.C. § 112(b) as being indefinite. Claims 1, 8, and 16 have been amended to clarify the claimed subject matter and to address the issues raised in the rejections. In view of the foregoing, Applicant respectfully requests withdrawal of the objections.

Double Patenting Rejections

Claims 1-4, 6-11, and 13-16 have been rejected on the ground of nonstatutory double patenting as being unpatentable over Claims 1-5 and 16-21 of U.S. Patent No. 9,585,563. Applicant respectfully asserts that the claims as amended are not obvious over the claims of U.S. Patent No. 9,585,563. However, should the rejection be maintained as the sole remaining rejection of the claims, Applicant will consider filing a terminal disclaimer or further amending the claims to address any remaining obviousness-type double patenting rejection.

Abbott Ex. 1002 - 503/848

Claim Rejections – 35 USC §103

I. The Examiner rejected Claims 1-3, 8-10, 15, and 16 under pre-AIA 35 U.S.C. § 103(a) as being unpatentable over:

U.S. Pat. Pub. No. 2013/0117696 to Robertson et al. (hereinafter referred to as *Robertson*), in view of
U.S. Pat. Pub. No. 2006/0010098 to Goodnow et al. (hereinafter referred to as *Goodnow*),

U.S. Pat. Pub. No. 2012/0136221 to Killen et al. (hereinafter referred to as *Killen*),
U.S. Pat. Pub. No. 2012/0108934 to Valdes et al. (hereinafter referred to as *Valdes*),
U.S. Pat. No. 8,912,897 to Carnes (hereinafter referred to as *Carnes*), and
U.S. Pat. No. 8,821,622 to Manahan et al. (hereinafter referred to as *Manahan*).

To maintain a proper rejection under 35 U.S.C. §103, the Examiner must meet four conditions to establish a *prima facie* case of obviousness. First, the Examiner must show that the prior art suggested to those of ordinary skill in the art that they should make the claimed composition or device or carry out the claimed process. Second, the Examiner must show that the prior art would have provided one of ordinary skill in the art with a reasonable expectation of success. Both the suggestion and the reasonable expectation of success must be adequately founded in the prior art and not in an Applicant's disclosure. Third, the prior art must teach or suggest all the claim limitations. *In re Vaeck,* 20 U.S.P.Q.2d 1438, 1442 (Fed. Cir. 1991). Fourth, if an obviousness rejection is based on some combination of prior art references, the Examiner must show a suggestion, teaching, or motivation to combine the prior art references ("the TSM test"). *In re Dembiczak,* 50 U.S.P.Q.2d 1614, 1617 (Fed. Cir. 1999). Following *KSR Int'l Co. v. Teleflex, Inc.*, this fourth prong of the *prima facie* obviousness analysis must not be applied in a rigid or formulaic way such that it becomes inconsistent with the more flexible approach of *Graham v. John Deere*, 383 U.S. 1, 17-18 (1966). 127 S. Ct. 1727 (2007). It must still be applied, however, as the TSM test captures the important insight that "a patent composed of several elements is not proved obvious merely by demonstrating that each of its elements was, independently, known in the prior art." *Id.* (citing *United States v. Adams*, 383 U.S. 39, 50-52 (1966)).

The limitations of Claim 1 are set forth above. The Office Action admits that "Robertson does not teach that the method comprises a step of identifying, by the remote monitor, a set of one or more rules provided by the server. Robertson does not teach that the method comprises a step

Abbott Ex. 1002 - 504/848

of modifying, by the remote monitor, at least one rule of the set of one or more rules." Instead, the Office Action relies on *Goodnow*, stating, "Goodnow teaches that a host can set up, using a host device, one or more target values for glucose measurements of the host (a set of one or more rules associated with the data), and that a remote monitoring device, which was invited by the host and is authorized to receive the host's data from a server, can modify the target values [par. 0218 L. 3-10, par. 0235, par. 0238, par. 0409].

Goodnow's teachings mean that the method comprises a step of identifying, by the remote monitor, a set of one or more rules provided by the remote server and associated with the data associated with the receiver, in order to be able to modify the set of one or more rules, and the teachings also mean that the rules are generated according to one or more preferences or settings from a host device. Furthermore, *Goodnow* teaches that the method comprises the step of modifying, by the remote monitor, at least one rule of the set of one or more rules [par. 0409]." Applicant states, that even assuming that *Goodnow* teaches what is asserted by the Office Action the teachings of *Goodnow* combined with *Robertson* are different from the features recited in Claim 1. Specifically, Claim 1 recites, "modifying, by the remote monitor, at least one rule of the set of one or more rules wherein the set of one or more rules includes a rule defining an alert representative of an event associated with the analyte state of the host, the event being determined by the secure server based on a first measurement of the data associated with the receiver regarding the analyte state of the host at a first time, wherein the alert, when triggered at the first time, causes an alert message to be sent to the remote monitor from a server to notify the remote monitor of at least one of the event and a rule of the set of one or more rules varying a time value as to when a reminder message is sent to the remote monitor after the alert message is sent to the remote monitor, the reminder message only being sent if the alert message has not been previously acknowledged by the remote monitor and only if the event associated with the analyte state of the host has not changed, based on a second measurement of the data at a second time, after the alert message was sent"

That is, Claim 1, recites having rules that are used to provide alerts at the remote monitoring device, wherein those rules are generated according to one or more preferences or settings from the host device and are modified at the remote monitoring device to modify the manner in which the remote monitor receives alerts. In contrast, *Goodnow*, at best teaches a host providing access

Abbott Ex. 1002 - 505/848

to a HCP to allow the HCP to provide recommended settings for the host to set up their target values at the host device. (See *Goodnow*, para. 235, 238). The HCP of *Goodnow* provides input as a healthcare professional which is used by the host at the host device to manage their health, this is different from what is recited in Claim 1.

None of the remaining references (*Killen*, *Valdes*, *Carnes*, *Manahan*) include teachings overcoming the deficiencies of *Robertson* and *Goodnow* as discussed above.

For at least these reasons, one of ordinary skill in the art would not have combined *Robertson* and *Goodnow* with those of *Killen*, *Valdes*, *Carnes*, and *Manahan* to arrive at the claimed features of Claim 1.

For at least these reasons, Applicant respectfully requests that the rejection to Claim 1, as well as the rejections to the claims that depend upon Claim 1, be withdrawn.

Regarding Claims 2 and 3, the claims depend upon Claim 1. For at least the reasons discussed regarding Claim 1, Applicant respectfully requests that the rejections to the claims be withdrawn.

Regarding Claim 8, the claim contains subject matter that is similar to that of Claim 1. For at least the reasons discussed with regard to Claim 1, Applicant respectfully requests that the rejection of Claim 8, as well as the rejections to the claims that depend upon Claim 8, be withdrawn.

Regarding Claims 9 and 10, the claims depend upon Claim 8. For at least the reasons discussed regarding Claims 1 and 8, Applicant respectfully requests that the rejections to the claims be withdrawn.

Regarding Claims 15 and 16, the claims depend upon Claim 1. For at least the reasons discussed regarding Claim 1, Applicant respectfully requests that the rejections to the claims be withdrawn.

II. The Examiner rejected Claims 4 and 11 under pre-AIA 35 U.S.C. § 103(a) as being unpatentable over *Robertson*, *Goodnow*, *Killen, Valdes*, *Carnes*, and *Manahan* as applied to

Abbott Ex. 1002 - 506/848

Claims 1 and 8 and further in view of U.S. Pat. Pub. No. 2005/0148890 to Hastings (hereinafter referred to as *Hastings*).

Certain deficiencies in the teachings of *Robertson*, *Goodnow*, *Killen, Valdes*, *Carnes*, and *Manahan* are set forth above. *Hastings* includes no teachings overcoming these deficiencies. For at least this reason, as well as the reasons discussed regarding independent Claims 1 and 8, from which they rely, respectively, Applicant respectfully requests that the rejections to Claims 4 and 11 be withdrawn.

III. The Examiner rejected Claims 6 and 13 under pre-AIA 35 U.S.C. § 103(a) as being unpatentable over *Robertson*, *Goodnow*, *Killen, Valdes, Carnes,* and *Manahan* as applied to Claims 1 and 8 and further in view of U.S. Patent Publication No. 2013/0173742 to Thomas (hereinafter referred to as *Thomas*).

Certain deficiencies in the teachings of *Robertson*, *Goodnow*, *Killen, Valdes*, *Carnes*, and *Manahan* are set forth above. *Thomas* includes no teachings overcoming these deficiencies. For at least this reason, as well as the reasons discussed regarding independent Claims 1 and 8, from which they rely, respectively, Applicant respectfully requests that the rejections to Claims 6 and 13 be withdrawn.

IV. The Examiner rejected Claims 7 and 14 under pre-AIA 35 U.S.C. § 103(a) as being unpatentable over *Robertson*, *Goodnow*, *Killen, Valdes, Carnes,* and *Manahan* as applied to Claims 1 and 8 and further in view of U.S. Patent Publication No. 2013/0159456 to Daoud (hereinafter referred to as *Daoud*).

Certain deficiencies in the teachings of *Robertson*, *Goodnow*, *Killen, Valdes*, *Carnes*, and *Manahan* are set forth above. *Daoud* includes no teachings overcoming these deficiencies. For at least this reason, as well as the reasons discussed regarding independent Claims 1 and 8, from which they rely, respectively, Applicant respectfully requests that the rejections to Claims 7 and 14 be withdrawn.

No Disclaimers or Disavowals

Although the present communication may include alterations to the application or claims, or characterizations of claim scope or referenced art, Applicant is not conceding in this application

Abbott Ex. 1002 - 507/848

that previously pending claims are not patentable over the cited references. Rather, any alterations or characterizations are being made to facilitate expeditious prosecution of this application. Applicant reserves the right to pursue at a later date any previously pending or other broader or narrower claims that capture any subject matter supported by the present disclosure, including subject matter found to be specifically disclaimed herein or by any prior prosecution. Accordingly, reviewers of this or any parent, child or related prosecution history shall not reasonably infer that Applicant has made any disclaimers or disavowals of any subject matter supported by the present application.

Any remarks in support of patentability of one claim should not be imputed to any other claim, even if similar terminology is used. Any language or remarks referring to only a portion of a claim should not necessarily be understood to base patentability on solely that portion; rather, patentability rests on each claim taken as a whole.

Applicant respectfully submits that to the extent any disclaimers or statements were made previously during prosecution with respect to the scope of the claimed invention, such disclaimers and statements are hereby rescinded.

Applicant respectfully reserves the ability to traverse any of the rejections, assertions and submissions made in connection with the application, even if not discussed herein, including the right to challenge later whether any of the cited references is prior art. The absence of a reply to a specific rejection, issue, or comment does not signify agreement with or concession of that rejection, issue, or comment. In addition, because any arguments made may not be exhaustive, there may be other reasons that have not been expressed for patentability of any or all claims. When amendments are made to any claims, no acquiescence or estoppel is implied thereby; such amendments are made only to expedite prosecution of the present application and are without prejudice to the presentation or assertion, in the future, of claims directed to subject matter that is same as or similar to that previously presented. Nothing in this paper should be construed as an intent to concede, or actual concession of, any issue with regard to any claim, or to any cited art, except as specifically stated in this paper, and the amendment or cancellation of any claim does not necessarily signify concession of unpatentability of the claim prior to its amendment or cancellation.

Conclusion

Abbott Ex. 1002 - 508/848

Should the Examiner have any concerns that might prevent the prompt allowance of the application, the Examiner is respectfully invited to contact the undersigned at the telephone number below. Please charge any additional fees, including any fees for additional extension of time, or credit overpayment to Deposit Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: April 15, 2020

By: /Rose M. Thiessen/
Rose M. Thiessen
Registration No. 40,202
Registered Practitioner
(858) 707-4000

32636145

Abbott Ex. 1002 - 509/848

Electronic Acknowledgement Receipt

EFS ID:	39171952
Application Number:	15617977
International Application Number:	
Confirmation Number:	8138
Title of Invention:	REMOTE MONITORING OF ANALYTE MEASUREMENTS
First Named Inventor/Applicant Name:	Michael Robert Mensinger
Customer Number:	68851
Filer:	Rose M. Thiessen/Jennifer Neat
Filer Authorized By:	Rose M. Thiessen
Attorney Docket Number:	DEXCOM.225C3
Receipt Date:	15-APR-2020
Filing Date:	08-JUN-2017
Time Stamp:	21:41:48
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		225C3A.pdf	159022 cdf636bc0ab8ce1b7199352b49e72ab7d7b77836	yes	11

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Amendment/Req. Reconsideration-After Non-Final Reject	1	1
	Claims	2	4
	Amendment/Req. Reconsideration-After Non-Final Reject	5	11
Warnings:			
Information:			
	Total Files Size (in bytes):	159022	

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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.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	15/617977
	Filing Date	June 08, 2017
	First Named Inventor	Mensinger, Michael Robert
	Art Unit	2685
(Multiple sheets used when necessary)	Examiner	Balseca, Franklin D.
SHEET 1 OF 1	Attorney Docket No.	DEXCOM.225C3 / 225C9

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number *Number - Kind Code (if known)* Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1	6,477,424	11-05-2002	Thompson et al.	
	2	8,527,449	09-03-2013	Gajic et al.	
	3	10,499,811	12-10-2019	Mensinger et al.	
	4	2004/0102683	05-27-2004	Khanuja et al.	
	5	2009/0192366	07-30-2009	Mensinger et al.	
	6	2009/0240128	09-24-2009	Mensinger et al.	
	7	2011/0287528	11-24-2011	Fern et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document *Country Code-Number-Kind Code* Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	**T[1]**

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, page(s), volume-issue number(s), publisher, city and/or country where published.	**T[1]**

32647834:abt

Examiner Signature	Date Considered

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

T[1] - Place a check mark in this area when an English language Translation is attached.

Electronic Patent Application Fee Transmittal

Application Number:	15617977
Filing Date:	08-Jun-2017
Title of Invention:	REMOTE MONITORING OF ANALYTE MEASUREMENTS
First Named Inventor/Applicant Name:	Michael Robert Mensinger
Filer:	Rose M. Thiessen/Alexa Terracin
Attorney Docket Number:	DEXCOM.225C3

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($)
Miscellaneous:				
SUBMISSION- INFORMATION DISCLOSURE STMT	1806	1	240	240
		Total in USD ($)		**240**

Electronic Acknowledgement Receipt

EFS ID:	39189920
Application Number:	15617977
International Application Number:	
Confirmation Number:	8138
Title of Invention:	REMOTE MONITORING OF ANALYTE MEASUREMENTS
First Named Inventor/Applicant Name:	Michael Robert Mensinger
Customer Number:	68851
Filer:	Rose M. Thiessen/Alexa Terracin
Filer Authorized By:	Rose M. Thiessen
Attorney Docket Number:	DEXCOM.225C3
Receipt Date:	17-APR-2020
Filing Date:	08-JUN-2017
Time Stamp:	13:06:23
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	$240
RAM confirmation Number	E20204GD06473192
Deposit Account	
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		DEX225C3_20200417.pdf	41376 c43e672cb6a71b36a3aec85b0a0fdf120248e8a2	yes	2
	Multipart Description/PDF files in .zip description				
	Document Description		**Start**	**End**	
	Transmittal Letter		1	1	
	Information Disclosure Statement (IDS) Form (SB08)		2	2	
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	30633 c938ef4b11d38b3646686978424fea38bc27acf4	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	72009		

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

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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.

INFORMATION DISCLOSURE STATEMENT

First Inventor	:	Michael Robert Mensinger
App. No.	:	15/617977
Filed	:	June 8, 2017
For	:	REMOTE MONITORING OF ANALYTE MEASUREMENTS
Examiner	:	Franklin D. Balseca
Art Unit	:	2685
Conf. No.	:	8138

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

References and Listing

Pursuant to 37 CFR 1.56, an Information Disclosure Statement listing references is provided herewith.

No Disclaimers

To the extent that anything in the Information Disclosure Statement or the listed references could be construed as a disclaimer of any subject matter supported by the present application, Applicant hereby rescinds and retracts such disclaimer.

Timing of Disclosure

This Information Disclosure Statement is being filed after receipt of a First Office Action, but before the mailing date of a Final Action and before the mailing date of a Notice of Allowance. This Statement is accompanied by the fees set forth in 37 CFR 1.17(p).

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: April 17, 2020

By: /Rose M. Thiessen/
Rose M. Thiessen
Registration No. 40,202
Registered Practitioner
(858) 707-4000

32647860:abt

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/617,977	06/08/2017	Michael Robert Mensinger	DEXCOM.225C3	8138

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KNOBBE, MARTENS, OLSON & BEAR, LLP
DEXCOM, INC.
2040 MAIN STREET
FOURTEENTH FLOOR
IRVINE, CA 92614

EXAMINER	
BALSECA, FRANKLIN D	

ART UNIT	PAPER NUMBER
2685	

NOTIFICATION DATE	DELIVERY MODE
06/15/2020	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):

efiling@knobbe.com
jayna.cartee@knobbe.com

Office Action Summary	Application No. 15/617,977	Applicant(s) Mensinger et al.	
	Examiner FRANKLIN D BALSECA	Art Unit 2685	AIA (FITF) Status No

-- 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 15 April 2020.

☐ 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) 1-4,6-11 and 13-16 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) 1-4,6-11 and 13-16 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: _____.

Detailed Action

Response to Arguments

1. Applicant's arguments filed on January 15, 2020 have been fully considered but they are not persuasive.

In regards to claims 1 and 8, the applicant argues that Goodnow, et al. (US-2006/0010098) teaches that the host provides access to a HPC to allow the HCP to provide recommended settings for the host to set up target values at the host device [see applicant's arguments last paragraph of page 7, pg. 8 L. 1-4]. The applicant argues that Goodnow's teachings are different than the claimed invention because Goodnow does not teach a rule defining an alert representative of an event that causes an alert message to be sent to the remote monitor from the server [see applicant's arguments pg. 7 L. 7-26].

The examiner respectfully disagrees with the applicant. The applicant appears to be reading each prior art individually and not as a combination. The examiner agrees that Goodnow is silent about sending a message from the server to the remote monitor when a rule is met. However, the other prior art used in the rejection such a s Killen et al. (US-2012/0136221) clearly shows that the rules that are set up at the server by the host are also used to generate alert messages for the remote monitor [see Killen fig. A72, par. 0143 L. 4-10, par. 0154]. Goodnow was only used to show that rules at the server can be set up by the host and modified by the remote monitor. Therefore, the

combination of prior art used to reject claims 1 and 8 teaches all the claimed limitations. For this reason, the applicant's arguments are not persuasive.

In regards to the double patenting rejections, the applicant argues that amendments made to the claims overcome the rejection [pg. 5 last paragraph].

The examiner respectfully disagrees with the applicant. Amendments made by the applicant were only made to overcome 112 issues and/or objections. The amendments did not include new limitations. The applicant has not explained why the amendments overcome the double patenting rejection. For this reason, the applicant's arguments are not persuasive and the double patenting rejection is maintained.

Double Patenting Rejections

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

686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on nonstatutory double patenting provided the reference application or patent either is shown to be commonly owned with the examined application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement. See MPEP § 717.02 for applications subject to examination under the first inventor to file provisions of the AIA as explained in MPEP § 2159. See MPEP §§ 706.02(l)(1) - 706.02(l)(3) for applications not subject to examination under the first inventor to file provisions of the AIA. A terminal disclaimer must be signed in compliance with 37 CFR 1.321(b).

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

2. Claims 1-4, 6, 8-11 and 13-14 are rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1-5 and 16-21 of U.S. Patent No.

9,585,563. Although the claims at issue are not identical, they are not patentably distinct from each other because the instant application and the aforementioned patents claim a method to receive an invitation and notifications at a remote monitor, whereas claims 1-6 and 8-14 of the instant application are a broader version of claims 1-4, 16-19 and 21 of the aforementioned patent as illustrated below. Therefore, the claims of the instant application are encompassed by the claims of the aforementioned patent, and it would have been obvious to a person of ordinary skill in the art at the time of the invention to arrive the broader claims as recited in the instant application.

Instant Application 15/617977	**US Patent 9,585,563**
Claim 1: A method comprising: receiving, at a remote monitor, an invitation to access a secure server and data associated with a receiver monitoring an analyte state of a host; providing, from the remote monitor to the secure server, an acceptance to the invitation; identifying, by the remote monitor, a set of one or more rules provided by the secure server and associated with the data associated with the receiver, wherein the set of one or more rules are generated according to one or more preferences or settings from a host device; and	**Claim 1:** A method comprising: receiving, at a mobile remote monitoring apparatus configured to be used by a remote monitoring user, an invitation to access a secure server storing data associated with a mobile receiver that at least periodically monitors an analyte concentration state of a host and to receive a message on the mobile remote monitoring apparatus regarding a health condition based on the analyte concentration state of the host who is remote to the mobile remote monitoring apparatus and who is not in a medical facility, wherein the invitation is triggered to be sent to the mobile remote monitoring apparatus in response to the host providing, using the mobile receiver, an identifier that identifies the remote monitoring user; receiving, by the mobile remote monitoring apparatus, a set of recommended rule settings associated with the invitation, the set of recommended rule settings being configured by the host using the mobile receiver, at least one of the set of recommended rule settings being modifiable by the remote monitoring user using the mobile remote monitoring apparatus; receiving, by the mobile remote monitoring apparatus, user input indicative of acceptance of the invitation to access the secure server and receive the data associated with the analyte

modifying, by the remote monitor, at least one rule of the set of one or more rules wherein the set of one or more rules includes a rule defining an alert representative of an event associated with the analyte state of the host, the event being determined by the secure server based on a first measurement of the data associated with the receiver regarding the analyte state of the host at a first time, wherein the alert, when triggered at the first time, causes an alert message to be sent to the remote monitor from a server to notify the remote monitor of at least one of the event and a rule of the set of the one or more rules varying a time value as to when a reminder message is sent to the remote monitor after the alert message is sent to the remote monitor, the reminder message only being sent if the alert message has not been previously acknowledged by the remote monitor and only if the event associated with the analyte state of the host has not changed, based on a second measurement of the data at a second time, after the alert message was sent.	concentration state of the host from the mobile receiver, wherein the access is activated by the secure server after receipt of the acceptance by the secure server; and modifying, by the mobile remote monitoring apparatus, a rule setting of the set of recommended rules settings defining an alert, the alert being representative of an event associated with the health condition based on the analyte concentration state of the host, wherein the alert, when triggered, causes the message to be sent to the mobile remote monitoring apparatus to notify the remote monitoring user of the event.
Claim 2: The method of claim 1, wherein the modifying comprises varying a first threshold associated with a low level of glucose at the host.	**Claim 2:** The method of claim 1, wherein the modifying the rule setting comprises varying a first threshold associated with a low level of glucose at the host.
Claim 3: The method of claim 1, wherein the modifying comprises varying a second threshold associated with a high level of glucose at the host.	**Claim 3:** The method of claim 1, wherein the modifying the rule setting comprises varying a second threshold associated with a high level of glucose at the host.
Claim 4: The method of claim 1, further comprising modifying a rule varying a delay between when a notification message is sent to the receiver and the alert message is sent to the remote monitor.	**Claim 4:** The method of claim 1, wherein the modifying the rule setting comprises varying a delay before the message is sent to the mobile remote monitoring apparatus.
Claim 6: The method of claim 1, wherein the invitation is associated with a set of recommended rule settings configured by a host monitoring system, wherein the recommended settings are provided to the remote monitor for acceptance or modification.	**Part of Claim 1:** ... receiving, by the mobile remote monitoring apparatus, a set of recommended rule settings associated with the invitation, the set of recommended rule settings being configured by the host using the mobile receiver, at least one of the set of recommended rule settings being modifiable by the remote monitoring user using the mobile remote monitoring apparatus; ...
Claim 8: An apparatus for remote monitoring of a host's analyte levels, the apparatus comprising:	**Claim 16:** A mobile remote monitoring apparatus configured to be used by a remote monitoring user for remote monitoring of a host's analyte

	concentration levels, the mobile remote monitoring apparatus comprising:
at least one processor;	at least one processor;
and at least one memory including code, which when executed by the at least one processor causes the apparatus to:	and at least one memory including code, which when executed by the at least one processor causes the mobile remote monitoring apparatus to
receive an invitation to access a secure server and data associated with a receiver monitoring an analyte state of a host;	receive, at the mobile remote monitoring apparatus, an invitation to access a secure server storing data associated with a mobile receiver at least periodically monitors an analyte concentration state of a host and to receive a message regarding a health condition based on the analyte concentration state of the host who is remote to the mobile remote monitoring apparatus and who is not in a medical facility, wherein the invitation is triggered to be sent to the mobile remote monitoring apparatus in response to the host providing, using the mobile receiver, an identifier that identifies the remote monitoring user;
provide to the secure server an acceptance to the invitation;	
identify, by the apparatus, a set of one or more rules provided by the secure server and associated with the data associated with the receiver, wherein the set of one or more rules are generated according to one or more preferences or settings from a host device; and	receive, by the mobile remote monitoring apparatus, a set of recommended rule settings associated with the invitation, the set of recommended rule settings being configured by the host using the mobile receiver, at least one of the set of recommended rule settings being modifiable by the remote monitoring user using the mobile remote monitoring apparatus; and
modify at least one rule of the set of one or more rules wherein the set of one or more rules include a rule defining an alert representative of an event associated with the analyte state of the host, the event being determined by the secure server based on a first measurement of the data associated with the receiver regarding the analyte state of the host at a first time, wherein the alert, when triggered at the first time, causes an alert message to be sent to the apparatus from a server to notify the apparatus of at least one of the event	modify, by the mobile remote monitoring apparatus, a rule setting of the set of recommended rules settings defining an alert, the alert being representative of an event associated with the health condition based on the analyte concentration state of the host, wherein the alert, when triggered, causes the message to be sent to the mobile remote monitoring apparatus from a server to notify the remote monitoring user of the event.
and a rule of the set of one or more rules varying a time value as to when a reminder message is sent to the apparatus after the alert message is sent, the reminder message only being sent if the alert message has not been previously acknowledged by the apparatus and only if the event associated with the analyte state of the host has not changed, based on a second	

measurement of the data at a second time, after the alert message was sent.	
Claim 9: The apparatus of claim 8, wherein the modifying comprises varying a first threshold associated with a low level of glucose at the host.	**Claim 17:** The mobile remote monitoring apparatus of claim 16, wherein the code that causes the mobile remote monitoring apparatus to modify the rule setting comprises code that causes the mobile remote monitoring apparatus to vary a first threshold associated with a low level of glucose at the host.
Claim 10: The apparatus of claim 8, wherein the modifying comprises varying a second threshold associated with a high level of glucose at the host.	**Claim 18:** The mobile remote monitoring apparatus of claim 16, wherein the code that causes the mobile remote monitoring apparatus to modify the rule setting comprises code that causes the mobile remote monitoring apparatus to vary a second threshold associated with a high level of glucose at the host.
Claim 11: The apparatus of claim 8, wherein the code further causes the apparatus to modify a rule comprises varying a delay between when a message is sent to the receiver and the alert message is sent to the apparatus.	**Claim 19:** The mobile remote monitoring apparatus of claim 16, wherein the code that causes the mobile remote monitoring apparatus to modify the rule setting comprises code that causes the mobile remote monitoring apparatus to vary a delay before the message is sent to the mobile remote monitoring apparatus.
Claim 13: The apparatus of claim 8, wherein the invitation is associated with a set of recommended rule settings configured by a host monitoring system, wherein the recommended settings are provided to the apparatus for acceptance or modification.	**Part of Claim 16:** ...receive, by the mobile remote monitoring apparatus, a set of recommended rule settings associated with the invitation, the set of recommended rule settings being configured by the host using the mobile receiver, at least one of the set of recommended rule settings being modifiable by the remote monitoring user using the mobile remote monitoring apparatus; and...
Claim 14: The apparatus of claim 8, wherein the apparatus is configured to accept the invitation responsive to user input at the apparatus, wherein accepting the invitation programically establishes an account associated with the apparatus at the server.	**Claim 21:** The mobile remote monitoring apparatus of claim 16, wherein the mobile remote monitoring apparatus is configured to accept the invitation responsive to user input at the mobile remote monitoring apparatus, wherein accepting the invitation programically establishes an account associated with the remote monitoring user at the secure server.

Claim Rejections - 35 USC § 103

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

> A patent for a claimed invention may not be obtained, notwithstanding that the claimed invention is not identically disclosed as set forth in section 102, if the differences between the claimed invention and the prior art are such that the claimed invention as a whole would have

> been obvious before the effective filing date of the claimed invention to a person having ordinary skill in the art to which the claimed invention pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claim(s) 1-3, 8-10, 15 and 16 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Robertson et al. (US-2013/0117696) in view of Goodnow, et al. (US-2006/0010098), Killen et al (US-2012/0136221), Valdes et al. (US-2012/0108934), Carnes (US-8,912,897) and Manahan et al. (US-8,821,622).

In regards to claim 1, Robertson teaches a method comprising the step of receiving, at a remote monitor, an invitation to access a secure server and data associated with a receiver monitoring physiological state of a host [fig. 1 elements 108 (receiver) and 122 (secure server), fig. 8 (remote monitor accessing data), fig. 31 (invitation), par. 0101 L. 1-14, par. 0106 L. 18-25]. Furthermore, Robertson teaches that the method comprises the step of providing, from the remote monitor to the secure server, an acceptance to the invitation [par. 0106 L. 24-31].

Robertson does not teach that the method comprises a step of identifying, by the remote monitor, a set of one or more rules provided by the secure server. Robertson does not teach that the method comprises a step of modifying, by the remote monitor, at least one rule of the set of one or more rules.

On the other hand, Goodnow teaches that a host can set up, using a host device, one or more target values for glucose measurements of the host (a set of one or more rules associated with the data), and that a remote monitoring device, which was invited by the host and is authorized to receive the host's data from a server, can modify the target values [par. 0218 L. 3-10, par. 0235, par. 0238, par. 0409]. Goodnow's teachings

means that the method comprises a step of identifying, by the remote monitor, a set of one or more rules provided by the secure server and associated with the data associated with the receiver, in order to be able to modify the set of one or more rules, and the teachings also mean that the rules are generated according to one or more preferences or settings from a host device. Furthermore, Goodnow teaches that the method comprises the step of modifying, by the remote monitor, at least one rule of the set of one or more rules [par. 0409].

It would have been obvious to one of ordinary skill in the art, at the time of the invention, to use Goodnow's teachings of setting up rules using a host device and permitting a remote monitor device to modify those rules in the method taught by Robertson because it will permit the caregiver, which may have more knowledge about the proper target values for the host, to adjust the rules according to the host's needs.

The combination of Robertson and Goodnow teaches that the method comprises the step of modifying, by the remote monitor, at least one rule of the set of one or more rules wherein the set of one or more rules include rules that detect abnormal events regarding analyte state of the host [see Goodnow par. 0238, par. 0409]. However, the combination does not teach that an alert is generated when the abnormal event is detected.

On the other hand, Killen teaches accessing data about a physiological state of a host in a secure server by a remote monitor [fig. 1 element 8]. Killen further teaches that physiological data that is monitored can be glucose (analyte state of a host) [par. 0184 L. 7-10]. Killen further teaches that the rules used to detect abnormal events and modified by the remote monitor can be used by the server to generate alerts for the

remote monitor based on the received analyte measurements of the host [fig. A72, par. 0143 L. 4-10, par. 0154]. This teaching means that the set one or more rules include a rule defining an alert representative of an event associated with the analyte state of the host, the event being determined by the secure server based on a first measurement of the data associated with the receiver regarding the state of the host at a first time, wherein the alert, when triggered at the first time, causes an alert message to be sent to the remote monitor from a server to notify the remote monitor of the event [fig. A72, par. 0143 L. 4-10, par. 0154].

It would have been obvious to one of ordinary skill in the art, at the time of the invention, to use Killen's teachings of modifying rules to generate alerts about the monitored parameter in the method taught by the combination because it will permit the remote monitoring device to monitor other physiological data such as blood glucose and receive notifications when an abnormal condition is detected by the server.

The combination of Robertson, Goodnow and Killen does not teach that the analyte data is monitored by a receiver.

On the other hand, Valdes teaches that the analyte data can be also monitored by the receiver which will then transmit the data to the server [fig. 1, par. 0089].

It would have been obvious to one of ordinary skill in the art, at the time of the invention, to use Valdes's teachings of using a receiver to transmit the data to the server in the method taught by the combination because it will permit the system monitor the analyte state of a host continuously.

The combination of Robertson, Goodnow, Killen and Valdes teaches that a user can use the remote monitor to modify alert rules [see Goodnow par. 0409, see Killen fig.

A72, par. 0143 L. 4-10, par. 0154]. However, the combination does not teach that the set of one or more rules includes a time value of when a reminder message is sent to the remote monitor.

On the other hand, Carnes teaches that the set of one or more rules, which can be modified by the user, can include a rule varying a time as to when a reminder message is sent to the remote monitor [col. 9 L. 9-13]. Carnes further teaches that the reminder message is only sent if the alert message has not been previously acknowledged [col. 9 L. 9-13].

It would have been obvious to one of ordinary skill in the art, at the time of the invention, to use Carnes's teachings of setting a time to send a reminder message in the method taught by the combination because it will permit the user of the remote monitor to configure the time a reminder message is sent and to prevent that alerts are left unattended.

The combination of Robertson, Goodnow, Killen, Valdes and Carnes does not teach that the reminder message is sent only if the event associated with monitored condition has not changed after the alert message was sent.

On the other hand, Manahan teaches that a system, monitoring measurements of a sensor, can send a notification of an event to a user device based on a first measurement taken at a first time by the sensor [col. 13 L. 33-37, col. 14 L. 6-14 and L. 31-40]. Furthermore, Manahan teaches that the notification of the event is transmitted again until the parameter sensed by the sensor returns to a normal level [col. 23 L. 23-26]. The aforementioned teaching means that the system continues to receive measurements at a second time and will transmit the notification again (reminder) only if

the sensed parameter has not changed, based on the second measurement of the data at the second time, after the alert message was sent.

It would have been obvious to one of ordinary skill in the art, at the time of the invention, to use Manahan's teachings of transmitting alert (reminder) until the second measurement is back to normal in the method taught by the combination because it will permit the system to remind the remote monitoring device that an alert condition exist, which in this case is associated with the analyte state of the host, and to know when the state of the host has returned to normal.

In regards to claims 2 and 3, the combination of Robertson, Goodnow, Killen, Valdes, Carnes and Manahan, as applied in claim 1 above, further teaches that modifying comprises varying a first and a second threshold values associated with the monitored physiological parameter [see Goodnow par. 0238, par. 0409, see Killen fig. A72, par. 0143 L. 4-10, par. 0154]. Furthermore, the combination teaches that when glucose is being monitored the threshold values can be associated with low level of glucose of the host and a high level glucose of the host [see Goodnow par. 0238, see Valdes par. 0048].

In regards to claim 8, the combination of Robertson, Goodnow, Killen, Valdes, Carnes and Manahan, as shown in claim 1 above, teaches the claimed limitations. The combination further teaches that the remote monitor further comprises at least one processor; and at least one memory including code, which when executed by the at least one processor causes the apparatus to perform the method [see Robertson par.

0008 L. 6-7, par. 0102 L. 1-3, par. 0106 L. 24-25, par. 0147, par. 0155 L. 1-5, see Killen fig. 2].

In regards to claims 9 and 10, the combination of Robertson, Goodnow, Killen, Valdes, Carnes and Manahan, as shown in claims 2 and 3 above, teaches the claimed limitations.

In regards to claim 15, the combination of Robertson, Goodnow, Killen, Valdes, Carnes and Manahan, as applied in claims 1 and 8 above, further teaches that the user of the remote monitor can accept the invitation and also modify the rule varying the time value [see Robertson par. 0106 L. 24-25, see Carnes col. 9 L. 6-13]. The combination does not teach that the user accepts the invitation after modifying the rule varying the time value. However, one of ordinary skill in the art would have modified the method taught by the combination so the user can modify the claimed rule before accepting the invitation because this will permit the user to set up the rules and send them together with the acceptance of the invitation in a single message.

In regards to claim 16, the combination of Robertson, Goodnow, Killen, Valdes, Carnes and Manahan, as shown in claim 15 above, teaches the claimed limitations.

4. Claim(s) 4 and 11 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Robertson et al. (US-2013/0117696) in view of Goodnow, et al. (US-2006/0010098), Killen et al (US-2012/0136221), Valdes et al. (US-2012/0108934),

Carnes (US-8,912,897) and Manahan et al. (US-8,821,622) as applied to claims 1 and 8 above, and further in view of Hastings (US-2005/0148890).

In regards to claim 4, the combination of Robertson, Goodnow, Killen, Valdes, Carnes and Manahan, as applied in claim 1 above , teaches that a notification can be sent to the receiver and the alert message to the remote monitor [see Robertson fig. 4 (alert message) fig. 106 (notification), par. 0096 L. 1-6, par. 0223 L. 1-4]. However, the combination does not teach that modifying the rule comprises varying a delay between when the message is sent to the receiver and a notification message is sent to the remote monitor.

On the other hand, Hastings teaches a method to receive alerts at a remote monitor where the user of the remote monitor can select the time when the alert is received at the remote monitor [par. 0178 L. 1-4, par. 0179 L. 12-14]. This means that the method comprises the step of varying a delay between when a notification message is sent to the receiver and an alert message is sent to the remote monitor because the user of the remote monitor can decide when to receive the alert message.

It would have been obvious to one of ordinary skill in the art, at the time of the invention, to use Hastings' teachings of letting the user to select the time when the notification is sent in the method taught by the combination because it will permit the user of the remote monitor device to decide when to receive the notification.

In regards to claim 11, the combination of Robertson, Goodnow, Killen, Valdes, Carnes, Manahan and Hastings, as shown in claim 4 above, teaches the claimed limitations.

5. Claim(s) 6 and 13 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Robertson et al. (US-2013/0117696) in view of Goodnow, et al. (US-2006/0010098), Killen et al (US-2012/0136221), Valdes et al. (US-2012/0108934), Carnes (US-8,912,897) and Manahan et al. (US-8,821,622) as applied to claims 1 and 8 above, and further in view of Thomas et al. (US-2013/0173742).

In regards to claim 6, the combination of Robertson, Goodnow, Killen, Valdes, Carnes and Manahan, as applied in claim 1 above, teaches that a host can authorize a user to modify notification rule settings [see Goodnow par, 0235, par. 0409]. This means that a host can configure notification rule settings (set of recommended rule settings) and later authorize a remote monitor to modify and/or accept those rules. However, the combination does not teach that the invitation is associated with a set of recommended settings that can be modified by the remote monitor.

The combination of Robertson, Goodnow, Killen, Valdes, Carnes and Manahan does not teach that the set of recommended settings are included with the invitation.

On the other hand, Thomas teaches the concept that when a host in a system invites another user, the invitation will include settings established by the host and that the invitee can accept or modify [par. 0088 L. 1-5, par. 0091 L. 1-5, par. 0092 L. 15-21].

It would have been obvious to one of ordinary skill in the art, at the time of the invention, to use Thomas' teachings of including the rules with the invitation in the method taught by the combination because it will permit the system to send the rule settings and the invitation in a single message and reduce traffic in the system.

In regards to claim 13, the combination of Robertson, Goodnow, Killen, Valdes, Carnes, Manahan and Thomas, as shown in claim 6 above, teaches the claimed limitations.

6. Claim(s) 7 and 14 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Robertson et al. (US-2013/0117696) in view of Goodnow, et al. (US-2006/0010098), Killen et al (US-2012/0136221), Valdes et al. (US-2012/0108934), Carnes (US-8,912,897) and Manahan et al. (US-8,821,622) as applied to claims 1 and 8 above, and further in view of Daoud et al. (US-2013/0159456)

In regards to claim 7, the combination of Robertson, Goodnow, Killen, Valdes, Carnes and Manahan, as applied in claim 1 above, teaches that the user of the remote device can accept the invitation [see Robertson par. 0106 L. 24-25]. However, the combination does not explicitly state that an account is created when accepting the invitation.

On the other hand, Daoud teaches that accepting the invitation programically establishes an account associated with the remote monitor at the server [fig. 24 element 2404, par. 0038 L. 8-15, par. 0081 L. 29-36].

It would have been obvious to one of ordinary skill in the art, at the time of the invention, to use Daoud' teachings of creating an account when the invitation is accepted in the method taught by the combination because it will permit the user of the remote device to create an account when an invitation is received for the first time in order the user can access the data at the server securely whenever the user desires.

In regards to claim 14, the combination of Robertson, Goodnow, Killen, Valdes, Carnes, Manahan and Daoud, as shown in claim 7 above, teaches the claimed limitations.

Conclusion

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

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

Any inquiry concerning this communication or earlier communications from the examiner should be directed to FRANKLIN D BALSECA whose telephone number is (571)270-5966. The examiner can normally be reached on 6AM-4PM EST M-F.

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, HAI PHAN can be reached on (571)272-6338. 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 https://ppair-my.uspto.gov/pair/PrivatePair. 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.

/FRANKLIN D BALSECA/
Examiner, Art Unit 2685

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15/617,977	Mensinger et al.
	Examiner	Art Unit
	FRANKLIN D BALSECA	2685

CPC - Searched*		
Symbol	**Date**	**Examiner**
A61B5/ 0002,0004,0022,145,14532,7264,7282,742,743,746,0015,0024,02,7435,7465	12/04/2017	FB
G06F19/3418,30,32,34,3406,3487	12/04/2017	FB
H04L67/12	12/04/2017	FB
H04Q9/00	12/04/2017	FB
H04Q2209/00,10,40,50,82,823,826	12/04/2017	FB
Updated Search	06/21/2018	FB
Updated Search	11/19/2018	FB
Updated Search	08/06/2019	FB
G16H40/67,20,63	08/06/2019	FB
G16H20/00,40	08/06/2019	FB
G16H15/00	08/06/2019	FB
G16H50/70,20	08/06/2019	FB
H04Q2209/70	08/06/2019	FB
Updated Search	01/09/2020	FB
Updated Search	06/08/2020	FB

CPC Combination Sets - Searched*		
Symbol	**Date**	**Examiner**

US Classification - Searched*			
Class	**Subclass**	**Date**	**Examiner**

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

/FRANKLIN D BALSECA/ Examiner, Art Unit 2685	

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15/617,977	Mensinger et al.
	Examiner	Art Unit
	FRANKLIN D BALSECA	2685

the search.

Search Notes		
Search Notes	**Date**	**Examiner**
Inventor Search	12/04/2017	FB
East Search	12/04/2017	FB
A61B5/ 0002,0004,0022,145,14532,7264,7282,742,743,746,0015,0024,02,7 435,7465 and text limited. See search history printout.	12/04/2017	FB
G06F19/3418,30,32,34,3406,3487 and text limited. See search history printout.	12/04/2017	FB
H04L67/12 and text limited. See search history printout.	12/04/2017	FB
H04Q9/00 and text limited. See search history printout.	12/04/2017	FB
H04Q2209/00,10,40,50,82,823,826 and text limited. See search history printout.	12/04/2017	FB
Updated East and text limited class search	06/21/2018	FB
Updated East and text limited class search	11/19/2018	FB
Updated East and text limited class search	08/06/2019	FB
G16H40/67,20,63 and text limited. See search history printout.	08/06/2019	FB
G16H20/40 and text limited. See search history printout.	08/06/2019	FB
G16H15/00 and text limited. See search history printout.	08/06/2019	FB
G16H50/70,20 and text limited. See search history printout.	08/06/2019	FB
H04Q2209/70 and text limited. See search history printout.	08/06/2019	FB
Updated Inventor Search	01/09/2020	FB
Updated East and text limited class search	01/09/2020	FB
Updated East and text limited class search	06/08/2020	FB

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

/FRANKLIN D BALSECA/ Examiner, Art Unit 2685	

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15/617,977	Mensinger et al.
	Examiner	Art Unit
	FRANKLIN D BALSECA	2685

/FRANKLIN D BALSECA/ Examiner, Art Unit 2685	

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15/617,977	Mensinger et al.
	Examiner	Art Unit
	FRANKLIN D BALSECA	2685

✓	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	12/04/2017	06/22/2018	11/19/2018	08/06/2019	01/09/2020	06/08/2020			
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	2	✓	✓	✓	✓	✓	✓			
	3	✓	✓	✓	✓	✓	✓			
	4	✓	✓	✓	✓	✓	✓			
	5	✓	-	-	-	-	-			
	6	✓	✓	✓	✓	✓	✓			
	7	✓	✓	✓	✓	✓	✓			
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	12	✓	-	-	-	-	-			
	13	✓	✓	✓	✓	✓	✓			
	14	✓	✓	✓	✓	✓	✓			
	15		✓	✓	✓	✓	✓			
	16		✓	✓	✓	✓	✓			

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	140	(US-20140088392-$ or US-20120245447-$ or US-20120108934-$ or US-20110320130-$ or US-20110213225-$ or US-20140121488-$ or US-20130117696-$ or US-20120136221-$ or US-20130116526-$ or US-20130159456-$ or US-20050148890-$ or US-20040243941-$ or US-20130173742-$ or US-20050165627-$ or US-20150019231-$ or US-20140206976-$ or US-20130116578-$ or US-20130095459-$ or US-20130013327-$ or US-20080077435-$ or US-20120289787-$ or US-20120277543-$ or US-20080157980-$ or US-20110161111-$ or US-20090088607-$ or US-20060293570-$).did. or (US-20060089542-$ or US-20090062696-$ or US-20110295127-$ or US-20110270347-$ or US-20160079787-$ or US-20090309756-$).did. or (US-9585563-$ or US-9730621-$ or US-8005546-$ or US-8653965-$ or US-8517941-$ or US-5648917-$).did. or (US-20050148890-$ or US-20080208069-$ or US-20020008625-$ or US-20100013639-$ or US-20120209088-$ or US-20080119710-$).did. or (US-9019106-$ or US-8364221-$ or US-6492901-$ or US-4688183-$ or US-7221282-$ or US-7528711-$ or US-7729202-$ or US-6847892-$ or US-8803683-$ or US-8912897-$).did. or (US-20070153993-$ or US-20130159039-$ or US-20110071765-$).did. or (US-6492901-$ or US-6522754-$ or US-8121861-$ or US-6992590-$).did. or (US-20140058805-$ or US-20100332023-$ or US-20090177517-$).did. or (US-8121861-$ or US-8548630-$ or US-7200779-$ or US-8821622-$ or US-7246156-$).did. or (US-20130173742-$ or US-20110199214-$ or US-20140207486-$ or US-20060010098-$).did. or (US-9585563-$ or US-9503526-$ or US-8467779-$).did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/06/08 07:24
L2	4	"15617977"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/06/08 08:25

L3	150,567	A61B5/0002,0004,0022,145,14532,7264,7282,742,743,746,0015,0024,02,7435,7465.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/06/08 08:55
L4	38,527	G06F19/3418,30,32,34,3406,3487.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/06/08 09:02
L5	74,847	H04L67/12.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/06/08 09:02
L6	12,115	H04Q2209/00,10,40,50,82,823,826,70.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/06/08 09:03
L7	75,470	G16H40/67,20,63.cpc.	US-PGPUB;	OR	ON	2020/06/08 09:03

			USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
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L9	15,871	G16H15/00.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/06/08 09:03
L10	45,255	G16H50/70,20.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/06/08 09:04
L11	335,287	L3 or L4 or L5 or L6 or L7 or L8 or L9 or L10	US-PGPUB; USPAT; USOCR; FPRS;	OR	ON	2020/06/08 09:04

			EPO; JPO; DERWENT; IBM_TDB			
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L13	272	L12 and (((creat$4 or (set$4 near2 up)) near5 (threshold or rule or target)) same (alarm$4 or alert$4 or notification))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/06/08 09:10
L14	7	L13 and ((hcp or caregiver or doctor or physician or nurse) near5 (chang$4 or adjust$4 or modif$4) near5 (threshold or target or rule))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/06/08 09:15
L15	174,346	((glucose or analyte) near5 (sensor or detect$4 or monitor$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWE	OR	ON	2020/06/08 09:31

			NT; IBM_TDB			
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L18	254, 340	((glucose or analyte or physiological) near5 (sensor or detect$4 or monitor$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/06/08 09:37
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L20	14	L19 and ((hcp or caregiver or doctor or physician or nurse) near5 (chang$4 or adjust$4 or modif$4) near5 (threshold or target or rule))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/06/08 09:39
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L22	64	L21 and ((hcp or caregiver or doctor or physician or nurse or remot$4) near5 (chang$4 or adjust$4 or modif$4) near5 (threshold or target or rule))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/06/08 10:00
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L24	0	L21 and L23	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	2020/06/08 10:33

			IBM_TDB			
L25	1	L23 and ((hcp or caregiver or doctor or physician or nurse or remot$4) near5 (chang$4 or adjust$4 or modif$4) near5 (threshold or target or rule))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/06/08 10:33
L26	2	"20130117696"	US-PGPUB; USPAT	OR	ON	2020/06/08 11:55

EAST Search History (Interference)

<This search history is empty>

6/8/2020 12:06:25 PM
C:\Users\fbalseca\Documents\EAST\Workspaces\15617977 (RCE2 Amendment).wsp

PTO/SB/08 Equivalent

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application No.	15/617977
	Filing Date	June 08, 2017
	First Named Inventor	Mensinger, Michael Robert
	Art Unit	2685
(Multiple sheets used when necessary)	Examiner	Balseca, Franklin D.
SHEET 1 OF 1	Attorney Docket No.	DEXCOM.225C3 / 225C9

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number *Number - Kind Code (if known)* Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1	6,477,424	11-05-2002	Thompson et al.	
	2	8,527,449	09-03-2013	Gajic et al.	
	3	10,499,811	12-10-2019	Mensinger et al.	
	4	2004/0102683	05-27-2004	Khanuja et al.	
	5	2009/0192366	07-30-2009	Mensinger et al.	
	6	2009/0240128	09-24-2009	Mensinger et al.	
	7	2011/0287528	11-24-2011	Fern et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document *Country Code-Number-Kind Code* Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T[1]

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, page(s), volume-issue number(s), publisher, city and/or country where published.	T[1]

32647834:abt

Examiner Signature	/FRANKLIN D BALSECA/	Date Considered	06/08/2020

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

T[1] - Place a check mark in this area when an English language Translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /F.D.B./

Approved for use through 11/30/2020. OMB 0651-0031
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 31

Complete if Known	
Application Number	15617977
Filing Date	06-08-2017
First Named Inventor	MENSINGER; Michael Robert.
Art Unit	2685
Examiner Name	BALSECA, Franklin D.
Attorney Docket Number	225USC9 / DEXCOM.225C3

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	001	US-612939	10-25-1898	WILLSON JR.; Freeman R.	
	002	US-4757022	07-12-1988	SHULTS; Mark C. et al.	
	003	US-4994167	02-19-1991	SHULTS; Mark G. et al.	
	004	US-6001067	12-14-1999	SHULTS; Mark C. et al.	
	005	US-6234964	05-22-2001	ILIFF; Edwin C.	
	006	US-6424847	07-23-2002	MASTROTOTARO; John J. et al.	
	007	US-6447424	09-10-2002	ASHBY; Darren C. et al.	
	008	US-6477395	11-05-2002	SCHULMAN; Joseph H. et al.	
	009	US-6484046	11-19-2002	SAY; James. et al.	
	010	US-6558321	05-06-2003	BURD; John F. et al.	
	011	US-6564104	05-13-2003	NELSON; Chester G. et al.	
	012	US-6565509	05-20-2003	SAY; James. et al.	
	013	US-6579690	06-17-2003	BONNECAZE; Roger T. et al.	
	014	US-6585644	07-01-2003	LEBEL; Ronald J. et al.	
	015	US-6645142	11-11-2003	BRAIG; James R. et al.	
	016	US-6702857	03-09-2004	BRAUKER; James H. et al.	
	017	US-6741877	05-25-2004	SHULTS; Mark C. et al.	
	018	US-6862465	03-01-2005	SHULTS; Mark C. et al.	
	019	US-6931327	08-16-2005	GOODE JR.; Paul V. et al.	
	020	US-6950708	09-27-2005	BOWMAN IV; Sam W. et al.	

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. [1] Applicant's unique citation designation number (optional). [2] See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. [3] Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). [4] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [5] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [6] Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time 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, 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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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 2 of 31

Complete if Known	
Application Number	15617977
Filing Date	06-08-2017
First Named Inventor	MENSINGER; Michael Robert.
Art Unit	2685
Examiner Name	BALSECA, Franklin D.
Attorney Docket Number	225USC9 / DEXCOM.225C3

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	021	US-6958705	10-25-2005	LEBEL; Ronald J. et al.	
	022	US-7074307	07-11-2006	SIMPSON; Peter C. et al.	
	023	US-7081195	07-25-2006	SIMPSON; Peter. et al.	
	024	US-7108778	09-19-2006	SIMPSON; Peter C. et al.	
	025	US-7110803	09-19-2006	SHULTS; Mark C. et al.	
	026	US-7134999	11-14-2006	BRAUKER; James H. et al.	
	027	US-7136689	11-14-2006	SHULTS; Mark C. et al.	
	028	US-7171274	01-30-2007	STARKWEATHER; Timothy J. et al.	
	029	US-7192450	03-20-2007	BRAUKER; James H. et al.	
	030	US-7219303	05-15-2007	FISH; Edmund J.	
	031	US-7226978	06-05-2007	TAPSAK; Mark A. et al.	
	032	US-7256708	08-14-2007	ROSENFELD; Brian. et al.	
	033	US-7276029	10-02-2007	GOODE JR.; Paul V. et al.	
	034	US-7301451	11-27-2007	HASTINGS; David C.	
	035	US-7310544	12-18-2007	BRISTER; Mark. et al.	
	036	US-7364592	04-29-2008	CARR-BRENDEL; Victoria. et al.	
	037	US-7366556	04-29-2008	BRISTER; Mark. et al.	
	038	US-7379765	05-27-2008	PETISCE; James. et al.	
	039	US-7424318	09-09-2008	BRISTER; Mark. et al.	
	040	US-7460898	12-02-2008	BRISTER; Mark. et al.	
	041	US-7467003	12-16-2008	BRISTER; Mark. et al.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 3 of 31

Complete if Known	
Application Number	15617977
Filing Date	06-08-2017
First Named Inventor	MENSINGER; Michael Robert.
Art Unit	2685
Examiner Name	BALSECA, Franklin D.
Attorney Docket Number	225USC9 / DEXCOM.225C3

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	042	US-7471972	12-30-2008	RHODES; Rathbun. et al.	
	043	US-7494465	02-24-2009	BRISTER; Mark. et al.	
	044	US-7497827	03-03-2009	BRISTER; Mark. et al.	
	045	US-7519408	04-14-2009	RASDAL; Andrew. et al.	
	046	US-7519430	04-14-2009	VON ARX; Jeffrey A. et al.	
	047	US-7565197	07-21-2009	HAUBRICH; Gregory J. et al.	
	048	US-7583990	09-01-2009	GOODE JR.; Paul V. et al.	
	049	US-7591801	09-22-2009	BRAUKER; James H. et al.	
	050	US-7599726	10-06-2009	GOODE JR.; Paul V. et al.	
	051	US-7613491	11-03-2009	BOOCK; Robert. et al.	
	052	US-7615007	11-10-2009	SHULTS; Mark. et al.	
	053	US-7632228	12-15-2009	BRAUKER; James H. et al.	
	054	US-7637868	12-29-2009	SAINT; Sean. et al.	
	055	US-7640048	12-29-2009	DOBBLES; J. Michael. et al.	
	056	US-7643798	01-05-2010	LJUNG; Peter.	
	057	US-7651596	01-26-2010	PETISCE; James R. et al.	
	058	US-7654956	02-02-2010	BRISTER; Mark. et al.	
	059	US-7657297	02-02-2010	SIMPSON; Peter C. et al.	
	060	US-7711402	05-04-2010	SHULTS; Mark C. et al.	
	061	US-7713574	05-11-2010	BRISTER; Mark. et al.	
	062	US-7715893	05-11-2010	KAMATH; Apurv Ullas. et al.	

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Sheet 4 of 31

Complete if Known	
Application Number	15617977
Filing Date	06-08-2017
First Named Inventor	MENSINGER; Michael Robert.
Art Unit	2685
Examiner Name	BALSECA, Franklin D.
Attorney Docket Number	225USC9 / DEXCOM.225C3

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	063	US-7761130	07-20-2010	SIMPSON; Peter C. et al.	
	064	US-7771352	08-10-2010	SHULTS; Mark C. et al.	
	065	US-7774145	08-10-2010	BRAUKER; James H. et al.	
	066	US-7775975	08-17-2010	BRISTER; Mark. et al.	
	067	US-7778680	08-17-2010	GOODE JR.; Paul V. et al.	
	068	US-7783333	08-24-2010	BRISTER; Mark. et al.	
	069	US-7792562	09-07-2010	SHULTS; Mark C. et al.	
	070	US-7797028	09-14-2010	GOODE JR.; Paul V. et al.	
	071	US-7826981	11-02-2010	GOODE JR.; Paul V. et al.	
	072	US-7828728	11-09-2010	BOOCK; Robert. et al.	
	073	US-7831287	11-09-2010	BRISTER; Mark. et al.	
	074	US-7835777	11-16-2010	SHULTS; Mark C. et al.	
	075	US-7857760	12-28-2010	BRISTER; Mark. et al.	
	076	US-7860545	12-28-2010	SHULTS; Mark C. et al.	
	077	US-7875293	01-25-2011	SHULTS; Mark. et al.	
	078	US-7881763	02-01-2011	BRAUKER; James H. et al.	
	079	US-7885697	02-08-2011	BRISTER; Mark. et al.	
	080	US-7896809	03-01-2011	SIMPSON; Peter C. et al.	
	081	US-7899511	03-01-2011	SHULTS; Mark C. et al.	
	082	US-7901354	03-08-2011	SHULTS; Mark C. et al.	
	083	US-7905833	03-15-2011	BRISTER; Mark. et al.	
	084	US-7914450	03-29-2011	GOODE JR.; Paul V. et al.	

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Sheet 5 of 31

Complete if Known	
Application Number	15617977
Filing Date	06-08-2017
First Named Inventor	MENSINGER; Michael Robert.
Art Unit	2685
Examiner Name	BALSECA, Franklin D.
Attorney Docket Number	225USC9 / DEXCOM.225C3

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	085	US-7917186	03-29-2011	KAMATH; Apurv Ullas. et al.	
	086	US-7920906	04-05-2011	GOODE JR.; Paul V. et al.	
	087	US-7925321	04-12-2011	GOODE; Paul V. et al.	
	088	US-7927274	04-19-2011	RASDAL; Andrew. et al.	
	089	US-7933639	04-26-2011	GOODE; Paul V. et al.	
	090	US-7935057	05-03-2011	GOODE JR.; Paul V. et al.	
	091	US-7946984	05-24-2011	BRISTER; Mark. et al.	
	092	US-7949381	05-24-2011	BRISTER; Mark. et al.	
	093	US-7955261	06-07-2011	GOODE; Paul V. et al.	
	094	US-7959569	06-14-2011	GOODE; Paul V. et al.	
	095	US-7970448	06-28-2011	SHULTS; Mark C. et al.	
	096	US-7974672	07-05-2011	SHULTS; Mark C. et al.	
	097	US-7976492	07-12-2011	BRAUKER; James H. et al.	
	098	US-7979104	07-12-2011	KAMATH; Apurv U. et al.	
	099	US-7986986	07-26-2011	GOODE; Paul V. et al.	
	100	US-7998071	08-16-2011	GOODE JR.; Paul V. et al.	
	101	US-8000901	08-16-2011	BRAUKER; James H. et al.	
	102	US-8005524	08-23-2011	BRAUKER; James H. et al.	
	103	US-8005525	08-23-2011	GOODE JR.; Paul V. et al.	
	104	US-8010174	08-30-2011	GOODE JR.; Paul V. et al.	
	105	US-8050731	11-01-2011	TAPSAK; Mark A. et al.	
	106	US-8052601	11-08-2011	GOODE JR.; Paul V. et al.	

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Sheet 6 of 31

Complete if Known	
Application Number	15617977
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Art Unit	2685
Examiner Name	BALSECA, Franklin D.
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	107	US-8053018	11-08-2011	TAPSAK; Mark A. et al.	
	108	US-8060173	11-15-2011	GOODE JR.; Paul V. et al.	
	109	US-8060174	11-15-2011	SIMPSON; Peter C. et al.	
	110	US-8064977	11-22-2011	BOOCK; Robert. et al.	
	111	US-8073008	12-06-2011	MEHTA; Kaezad J. et al.	
	112	US-8073519	12-06-2011	GOODE JR.; Paul V. et al.	
	113	US-8073520	12-06-2011	KAMATH; Apurv U. et al.	
	114	US-8095692	01-10-2012	MEHTA; Kaezad J. et al.	
	115	US-8112240	02-07-2012	FENNELL; Martin J.	
	116	US-8118877	02-21-2012	BRAUKER; James H. et al.	
	117	US-8121857	02-21-2012	GALASSO; John R. et al.	
	118	US-8128562	03-06-2012	GOODE JR.; Paul V. et al.	
	119	US-8131566	03-06-2012	DICKS; Kent E. et al.	
	120	US-8133178	03-13-2012	BRAUKER; James H. et al.	
	121	US-8150488	04-03-2012	GOODE JR.; Paul V. et al.	
	122	US-8155723	04-10-2012	SHULTS; Mark C. et al.	
	123	US-8160669	04-17-2012	BRAUKER; James H. et al.	
	124	US-8160671	04-17-2012	KAMATH; Apurv Ullas. et al.	
	125	US-8167801	05-01-2012	GOODE JR.; Paul V. et al.	
	126	US-8170803	05-01-2012	KAMATH; Apurv Ullas. et al.	
	127	US-8180591	05-15-2012	YUEN; Shelten Gee Jao. et al.	

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Art Unit	2685
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	128	US-8195265	06-05-2012	GOODE JR.; Paul V. et al.	
	129	US-8206297	06-26-2012	KAMATH; Apurv Ullas. et al.	
	130	US-8208973	06-26-2012	MEHTA; Kaezad J.	
	131	US-8216139	07-10-2012	BRAUKER; James H. et al.	
	132	US-8229534	07-24-2012	BRISTER; Mark. et al.	
	133	US-8229536	07-24-2012	GOODE JR.; Paul V. et al.	
	134	US-8231531	07-31-2012	BRISTER; Mark. et al.	
	135	US-8233958	07-31-2012	BRAUKER; James H. et al.	
	136	US-8233959	07-31-2012	KAMATH; Apurv. et al.	
	137	US-8249684	08-21-2012	KAMATH; Apurv Ullas. et al.	
	138	US-8251906	08-28-2012	BRAUKER; James H. et al.	
	139	US-8255030	08-28-2012	PETISCE; James. et al.	
	140	US-8255032	08-28-2012	PETISCE; James R. et al.	
	141	US-8255033	08-28-2012	PETISCE; James. et al.	
	142	US-8257259	09-04-2012	BRAUKER; James H. et al.	
	143	US-8260393	09-04-2012	KAMATH; Apurv Ullas. et al.	
	144	US-8265725	09-11-2012	BRAUKER; James H. et al.	
	145	US-8275437	09-25-2012	BRAUKER; James H. et al.	
	146	US-8275438	09-25-2012	SIMPSON; Peter C. et al.	
	147	US-8277713	10-02-2012	PETISCE; James R. et al.	
	148	US-8280475	10-02-2012	BRISTER; Mark. et al.	
	149	US-8282549	10-09-2012	BRAUKER; James H. et al.	

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	150	US-8282550	10-09-2012	RASDAL; Andrew P. et al.	
	151	US-8285354	10-09-2012	GOODE; Paul V. et al.	
	152	US-8287453	10-16-2012	LI; Ying. et al.	
	153	US-8290559	10-16-2012	SHARIATI; Mohammad Ali. et al.	
	154	US-8290560	10-16-2012	KAMATH; Apurv Ullas. et al.	
	155	US-8290561	10-16-2012	BRAUKER; James H. et al.	
	156	US-8290562	10-16-2012	GOODE JR.; Paul V. et al.	
	157	US-8292810	10-23-2012	GOODE JR.; Paul V. et al.	
	158	US-8298142	10-30-2012	SIMPSON; Peter C. et al.	
	159	US-8311749	11-13-2012	BRAUKER; James H. et al.	
	160	US-8313434	11-20-2012	BRISTER; Mark. et al.	
	161	US-8321149	11-27-2012	BRAUKER; James H. et al.	
	162	US-8323189	12-04-2012	TRAN; Bao. et al.	
	163	US-8332008	12-11-2012	GOODE; Paul V. et al.	
	164	US-8346338	01-01-2013	GOODE JR.; Paul V. et al.	
	165	US-8364229	01-29-2013	SIMPSON; Peter C. et al.	
	166	US-8369919	02-05-2013	KAMATH; Apurv Ullas. et al.	
	167	US-8374667	02-12-2013	BRAUKER; James H. et al.	
	168	US-8386004	02-26-2013	KAMATH; Apurv Ullas. et al.	
	169	US-8394021	03-12-2013	GOODE; Paul V. et al.	
	170	US-8412185	04-02-2013	CADER; Muhammad Abdul. et al.	

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Sheet 9 of 31

Complete if Known	
Application Number	15617977
Filing Date	06-08-2017
First Named Inventor	MENSINGER; Michael Robert.
Art Unit	2685
Examiner Name	BALSECA, Franklin D.
Attorney Docket Number	225USC9 / DEXCOM.225C3

U. S. PATENT DOCUMENTS

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	171	US-8432260	04-30-2013	TALTY; Timothy J. et al.	
	172	US-8527025	09-03-2013	SHULTS; Mark C. et al.	
	173	US-8549600	10-01-2013	SHEDRINSKY; Felix.	
	174	US-8638397	01-28-2014	UENO; Masatoshi. et al.	
	175	US-8704656	04-22-2014	ABEDI; Saied.	
	176	US-8784271	07-22-2014	BRUMBACK; Christine Boomer. et al.	
	177	US-8789156	07-22-2014	FISK; Frank C. et al.	
	178	US-8926509	01-06-2015	MAGAR; Surendar. et al.	
	179	US-8968198	03-03-2015	BRAUKER; James H. et al.	
	180	US-9011332	04-21-2015	HELLER; Adam. et al.	
	181	US-9028410	05-12-2015	SAN VICENTE; Kenneth. et al.	
	182	US-9035744	05-19-2015	WANISS; Amgad Mofied.	
	183	US-9232916	01-12-2016	MAO; Fei. et al.	
	184	US-9363337	06-07-2016	CHOR; Jesse.	
	185	US-9445445	09-13-2016	MILLER; Thomas. et al.	
	186	US-9451910	09-27-2016	BRISTER; Mark. et al.	
	187	US-9503526	11-22-2016	DAOUD; Saleem. et al.	
	188	US-9532737	01-03-2017	KARAN; Jai. et al.	
	189	US-9579053	02-28-2017	BRISTER; Mark. et al.	
	190	US-9655518	05-23-2017	LIN; Dongping.	
	191	US-9662438	05-30-2017	KAMEN; Dean. et al.	

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Sheet | 10 | of | 31

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	192	US-9668682	06-06-2017	BRISTER; Mark C. et al.	
	193	US-9681807	06-20-2017	MILLER; Thomas. et al.	
	194	US-9724028	08-08-2017	BRAUKER; James H. et al.	
	195	US-9730620	08-15-2017	COHEN; Eric. et al.	
	196	US-9730621	08-15-2017	COHEN; Eric. et al.	
	197	US-9788354	10-10-2017	MILLER; Thomas. et al.	
	198	US-9788766	10-17-2017	SIMPSON; Peter C. et al.	
	199	US-9801541	10-31-2017	MENSINGER; Michael Robert. et al.	
	200	US-9839353	12-12-2017	MENSINGER; Michael Robert. et al.	
	201	US-9854972	01-02-2018	MENSINGER; Michael Robert. et al.	
	202	US-9931036	04-03-2018	MILLER; Thomas. et al.	
	203	US-9931037	04-03-2018	MILLER; Thomas. et al.	
	204	US-9962081	05-08-2018	MENSINGER; Michael Robert. et al.	
	205	US-9980646	05-29-2018	MENSINGER; Michael Robert. et al.	
	206	US-10376188	08-13-2019	SIMPSON; Peter C. et al.	
	207	US-10667686	06-02-2020	MENSINGER; Michael Robert. et al.	
	208	US-20010023360	09-20-2001	NELSON; Chester G. et al.	
	209	US-20020045808	04-18-2002	FORD; Russell. et al.	
	210	US-20020065453	05-30-2002	LESHO; Matthew J. et al.	

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Sheet | 11 | of | 31

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Art Unit	2685
Examiner Name	BALSECA, Franklin D.
Attorney Docket Number	225USC9 / DEXCOM.225C3

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	211	US-20020068858	06-06-2002	BRAIG; James R. et al.	
	212	US-20020195997	12-26-2002	PEEK; Sarah A. et al.	
	213	US-20030028184	02-06-2003	LEBEL; Ronald J. et al.	
	214	US-20030032874	02-13-2003	RHODES; Rathbun. et al.	
	215	US-20030060692	03-27-2003	L. RUCHTI; Timothy. et al.	
	216	US-20040044272	03-04-2004	MOERMAN; Piet. et al.	
	217	US-20050027462	02-03-2005	GOODE; Paul V. Jr. et al.	
	218	US-20050027463	02-03-2005	GOODE; Paul V. Jr. et al.	
	219	US-20050033132	02-10-2005	SHULTS; Mark C. et al.	
	220	US-20050043598	02-24-2005	GOODE; Paul V. Jr. et al.	
	221	US-20050051427	03-10-2005	BRAUKER; James H. et al.	
	222	US-20050056552	03-17-2005	SIMPSON; Peter C. et al.	
	223	US-20050090607	04-28-2005	TAPSAK; Mark A. et al.	
	224	US-20050151640	07-14-2005	HASTINGS; David C.	
	225	US-20050154271	07-14-2005	RASDAL; Andrew. et al.	
	226	US-20050176136	08-11-2005	BURD; John. et al.	
	227	US-20050182451	08-18-2005	GRIFFIN; Adam. et al.	
	228	US-20050192557	09-01-2005	BRAUKER; James H. et al.	
	229	US-20050203360	09-15-2005	BRAUKER; James H. et al.	
	230	US-20050245799	11-03-2005	BRAUKER; James H. et al.	
	231	US-20050283198	12-22-2005	HAUBRICH; Gregory J. et al.	

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Sheet 12 of 31

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	232	US-20050283208	12-22-2005	VON ARX; Jeffrey A. et al.	
	233	US-20060015020	01-19-2006	NEALE; Paul. et al.	
	234	US-20060016700	01-26-2006	BRISTER; Mark. et al.	
	235	US-20060020187	01-26-2006	BRISTER; Mark. et al.	
	236	US-20060020188	01-26-2006	KAMATH; Apurv Ullas. et al.	
	237	US-20060020190	01-26-2006	KAMATH; Apurv Ullas. et al.	
	238	US-20060020191	01-26-2006	BRISTER; Mark. et al.	
	239	US-20060020192	01-26-2006	BRISTER; Mark. et al.	
	240	US-20060036140	02-16-2006	BRISTER; Mark. et al.	
	241	US-20060036143	02-16-2006	BRISTER; Mark. et al.	
	242	US-20060036144	02-16-2006	BRISTER; Mark. et al.	
	243	US-20060040402	02-23-2006	BRAUKER; James H. et al.	
	244	US-20060068208	03-30-2006	TAPSAK; Mark A. et al.	
	245	US-20060071797	04-06-2006	ROSENFELD; Brian. et al.	
	246	US-20060142651	06-29-2006	BRISTER; Mark. et al.	
	247	US-20060155180	07-13-2006	BRISTER; Mark. et al.	
	248	US-20060198864	09-07-2006	SHULTS; Mark. et al.	
	249	US-20060200020	09-07-2006	BRISTER; Mark. et al.	
	250	US-20060200022	09-07-2006	BRAUKER; James H. et al.	
	251	US-20060200970	09-14-2006	BRISTER; Mark. et al.	
	252	US-20060204536	09-14-2006	SHULTS; Mark. et al.	
	253	US-20060222566	10-05-2006	BRAUKER; James H. et al.	

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	254	US-20060224108	10-05-2006	BRAUKER; James H. et al.	
	255	US-20060235285	10-19-2006	BRISTER; Mark. et al.	
	256	US-20060249381	11-09-2006	PETISCE; James R. et al.	
	257	US-20060252027	11-09-2006	PETISCE; James R. et al.	
	258	US-20060253012	11-09-2006	PETISCE; James R. et al.	
	259	US-20060257995	11-16-2006	SIMPSON; Peter. et al.	
	260	US-20060258761	11-16-2006	BOOCK; Robert. et al.	
	261	US-20060263763	11-23-2006	SIMPSON; Peter C. et al.	
	262	US-20060270922	11-30-2006	BRAUKER; James H. et al.	
	263	US-20060270923	11-30-2006	BRAUKER; James H. et al.	
	264	US-20070016381	01-18-2007	KAMATH; Apurv. et al.	
	265	US-20070019213	01-25-2007	VAIDYANATHAN; Janakiraman.	
	266	US-20070027370	02-01-2007	BRAUKER; James H. et al.	
	267	US-20070027385	02-01-2007	BRISTER; Mark. et al.	
	268	US-20070032706	02-08-2007	KAMATH; Apurv. et al.	
	269	US-20070032718	02-08-2007	SHULTS; Mark C. et al.	
	270	US-20070045902	03-01-2007	BRAUKER; James H. et al.	
	271	US-20070059196	03-15-2007	BRISTER; Mark. et al.	
	272	US-20070060093	03-15-2007	KERTH; Donald A. et al.	
	273	US-20070060132	03-15-2007	WILHELMSSON; Leif. et al.	
	274	US-20070066873	03-22-2007	KAMATH; Apurv. et al.	

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	276	US-20070163880	07-19-2007	WOO; Kum Ming. et al.	
	277	US-20070173709	07-26-2007	PETISCE; James R. et al.	
	278	US-20070192137	08-16-2007	OMBRELLARO; Mark P.	
	279	US-20070203966	08-30-2007	BRAUKER; James H. et al.	
	280	US-20070208245	09-06-2007	BRAUKER; James H. et al.	
	281	US-20070208246	09-06-2007	BRAUKER; James H. et al.	
	282	US-20070232879	10-04-2007	BRISTER; Mark. et al.	
	283	US-20070293742	12-20-2007	SIMONSEN; Jan Henning. et al.	
	284	US-20080030057	02-07-2008	TAI; Tung-Hsi.	
	285	US-20080033254	02-07-2008	KAMATH; Apurv Ullas. et al.	
	286	US-20080045824	02-21-2008	TAPSAK; Mark A. et al.	
	287	US-20080083617	04-10-2008	SIMPSON; Peter C. et al.	
	288	US-20080086044	04-10-2008	BRISTER; Mark. et al.	
	289	US-20080108942	05-08-2008	BRISTER; Mark. et al.	
	290	US-20080119703	05-22-2008	BRISTER; Mark. et al.	
	291	US-20080119704	05-22-2008	BRISTER; Mark. et al.	
	292	US-20080119706	05-22-2008	BRISTER; Mark. et al.	
	293	US-20080172737	07-17-2008	SHEN; Jinmei. et al.	
	294	US-20080183061	07-31-2008	GOODE; Paul V. et al.	
	295	US-20080183399	07-31-2008	GOODE; Paul V. et al.	

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Sheet | 15 | of | 31

Complete if Known	
Application Number	15617977
Filing Date	06-08-2017
First Named Inventor	MENSINGER; Michael Robert.
Art Unit	2685
Examiner Name	BALSECA, Franklin D.
Attorney Docket Number	225USC9 / DEXCOM.225C3

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	296	US-20080188731	08-07-2008	BRISTER; Mark. et al.	
	297	US-20080189051	08-07-2008	GOODE; Paul V. et al.	
	298	US-20080194938	08-14-2008	BRISTER; Mark. et al.	
	299	US-20080197024	08-21-2008	SIMPSON; Peter C. et al.	
	300	US-20080199894	08-21-2008	GALASSO; John R.	
	301	US-20080200788	08-21-2008	BRISTER; Mark. et al.	
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	304	US-20080214915	09-04-2008	BRISTER; Mark. et al.	
	305	US-20080228054	09-18-2008	SHULTS; Mark C. et al.	
	306	US-20080242961	10-02-2008	BRISTER; Mark. et al.	
	307	US-20080262469	10-23-2008	BRISTER; Mark C. et al.	
	308	US-20080275313	11-06-2008	BRISTER; Mark. et al.	
	309	US-20080287765	11-20-2008	RASDAL; Andrew. et al.	
	310	US-20080300572	12-04-2008	RANKERS; Ulrich. et al.	
	311	US-20080306368	12-11-2008	GOODE JR.; Paul V. et al.	
	312	US-20080306434	12-11-2008	DOBBLES; John Michael. et al.	
	313	US-20080306435	12-11-2008	KAMATH; Apurv U. et al.	
	314	US-20080306444	12-11-2008	BRISTER; Mark C. et al.	
	315	US-20090018424	01-15-2009	KAMATH; Apurv Ullas. et al.	
	316	US-20090030294	01-29-2009	PETISCE; James R. et al.	

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Sheet 16 of 31

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	317	US-20090036758	02-05-2009	BRAUKER; James H. et al.	
	318	US-20090036760	02-05-2009	HAYTER; Gary.	
	319	US-20090036763	02-05-2009	BRAUKER; James H. et al.	
	320	US-20090043181	02-12-2009	BRAUKER; James H. et al.	
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	327	US-20090076360	03-19-2009	BRISTER; Mark. et al.	
	328	US-20090085768	04-02-2009	PATEL; Himanshu. et al.	
	329	US-20090099436	04-16-2009	BRISTER; Mark. et al.	
	330	US-20090118596	05-07-2009	KHANUJA; Sukhwant Singh. et al.	
	331	US-20090124877	05-14-2009	GOODE JR.; Paul V. et al.	
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	334	US-20090131769	05-21-2009	LEACH; Jacob S. et al.	
	335	US-20090131777	05-21-2009	SIMPSON; Peter C. et al.	
	336	US-20090137886	05-28-2009	SHARIATI; Mohammad Ali. et al.	

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	337	US-20090137887	05-28-2009	SHARIATI; Mohammad Ali. et al.	
	338	US-20090143659	06-04-2009	LI; Ying. et al.	
	339	US-20090143660	06-04-2009	BRISTER; Mark. et al.	
	340	US-20090156919	06-18-2009	BRISTER; Mark. et al.	
	341	US-20090156924	06-18-2009	SHARIATI; Mohammad Ali. et al.	
	342	US-20090163790	06-25-2009	BRISTER; Mark. et al.	
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	345	US-20090192380	07-30-2009	SHARIATI; Mohammad Ali. et al.	
	346	US-20090192722	07-30-2009	SHARIATI; Mohammad Ali. et al.	
	347	US-20090192724	07-30-2009	BRAUKER; James H. et al.	
	348	US-20090192751	07-30-2009	KAMATH; Apurv Ullas. et al.	
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	350	US-20090216103	08-27-2009	BRISTER; Mark. et al.	
	351	US-20090240120	09-24-2009	MENSINGER; Michael Robert. et al.	
	352	US-20090240193	09-24-2009	MENSINGER; Michael Robert. et al.	
	353	US-20090242399	10-01-2009	KAMATH; Apurv Ullas. et al.	
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	355	US-20090247855	10-01-2009	BOOCK; Robert. et al.	

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	356	US-20090247856	10-01-2009	BOOCK; Robert. et al.	
	357	US-20090270705	10-29-2009	ENEGREN; Bradley J. et al.	
	358	US-20090287074	11-19-2009	SHULTS; Mark. et al.	
	359	US-20090289507	11-26-2009	SHIU; Ying-Liang.	
	360	US-20090291634	11-26-2009	SAARISALO; Mikko.	
	361	US-20090299155	12-03-2009	YANG; Richard C. et al.	
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	364	US-20100010331	01-14-2010	BRAUKER; James H. et al.	
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	366	US-20100016687	01-21-2010	BRAUKER; James H. et al.	
	367	US-20100016698	01-21-2010	RASDAL; Andrew. et al.	
	368	US-20100026250	02-04-2010	PETTY; John Stewart.	
	369	US-20100030484	02-04-2010	BRAUKER; James H. et al.	
	370	US-20100030596	02-04-2010	JOHARI; Gaurav.	
	371	US-20100036215	02-11-2010	GOODE JR.; Paul V. et al.	
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	373	US-20100041971	02-18-2010	GOODE JR.; Paul V. et al.	
	374	US-20100045465	02-25-2010	BRAUKER; James H. et al.	
	375	US-20100049024	02-25-2010	SAINT; Sean. et al.	
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	382	US-20100161269	06-24-2010	KAMATH; Apurv Ullas. et al.	
	383	US-20100168540	07-01-2010	KAMATH; Apurv Ullas. et al.	
	384	US-20100168541	07-01-2010	KAMATH; Apurv Ullas. et al.	
	385	US-20100168542	07-01-2010	KAMATH; Apurv Ullas. et al.	
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	388	US-20100168545	07-01-2010	KAMATH; Apurv Ullas. et al.	
	389	US-20100168546	07-01-2010	KAMATH; Apurv Ullas. et al.	
	390	US-20100168657	07-01-2010	KAMATH; Apurv Ullas. et al.	
	391	US-20100174157	07-08-2010	BRISTER; Mark. et al.	
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	393	US-20100174163	07-08-2010	BRISTER; Mark. et al.	
	394	US-20100174164	07-08-2010	BRISTER; Mark. et al.	
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	397	US-20100174167	07-08-2010	KAMATH; Apurv Ullas. et al.	
	398	US-20100179401	07-15-2010	RASDAL; Andrew. et al.	
	399	US-20100179402	07-15-2010	GOODE JR.; Paul V. et al.	

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	402	US-20100179409	07-15-2010	KAMATH; Apurv Ullas. et al.	
	403	US-20100185065	07-22-2010	GOODE JR.; Paul V. et al.	
	404	US-20100185069	07-22-2010	BRISTER; Mark. et al.	
	405	US-20100185070	07-22-2010	BRISTER; Mark. et al.	
	406	US-20100185071	07-22-2010	SIMPSON; Peter C. et al.	
	407	US-20100185075	07-22-2010	BRISTER; Mark. et al.	
	408	US-20100191082	07-29-2010	BRISTER; Mark. et al.	
	409	US-20100198034	08-05-2010	THOMAS; Christopher Allen. et al.	
	410	US-20100198035	08-05-2010	KAMATH; Apurv Ullas. et al.	
	411	US-20100198036	08-05-2010	KAMATH; Apurv Ullas. et al.	
	412	US-20100212583	08-26-2010	BRISTER; Mark. et al.	
	413	US-20100216507	08-26-2010	MAEDA; Tatsuo.	
	414	US-20100217557	08-26-2010	KAMATH; Apurv Ullas. et al.	
	415	US-20100223013	09-02-2010	KAMATH; Apurv Ullas. et al.	
	416	US-20100223022	09-02-2010	KAMATH; Apurv Ullas. et al.	
	417	US-20100223023	09-02-2010	KAMATH; Apurv Ullas. et al.	
	418	US-20100228109	09-09-2010	KAMATH; Apurv Ullas. et al.	
	419	US-20100228497	09-09-2010	KAMATH; Apurv Ullas. et al.	
	420	US-20100240975	09-23-2010	GOODE JR.; Paul V. et al.	

Examiner Signature		Date Considered	

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Sheet 21 of 31

Complete if Known	
Application Number	15617977
Filing Date	06-08-2017
First Named Inventor	MENSINGER; Michael Robert.
Art Unit	2685
Examiner Name	BALSECA, Franklin D.
Attorney Docket Number	225USC9 / DEXCOM.225C3

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	421	US-20100240976	09-23-2010	GOODE JR.; Paul V. et al.	
	422	US-20100261987	10-14-2010	KAMATH; Apurv Ullas. et al.	
	423	US-20100274107	10-28-2010	BOOCK; Robert. et al.	
	424	US-20100280341	11-04-2010	BOOCK; Robert. et al.	
	425	US-20100283917	11-11-2010	UENO; Masatoshi. et al.	
	426	US-20100286496	11-11-2010	SIMPSON; Peter C. et al.	
	427	US-20100292556	11-18-2010	GOLDEN; Michael.	
	428	US-20100298684	11-25-2010	LEACH; Jacob S. et al.	
	429	US-20100323431	12-23-2010	RUTKOWSKI; Paul S. et al.	
	430	US-20100324403	12-23-2010	BRISTER; Mark. et al.	
	431	US-20100331644	12-30-2010	NEALE; Paul V. et al.	
	432	US-20100331656	12-30-2010	MENSINGER; Michael Robert. et al.	
	433	US-20100331657	12-30-2010	MENSINGER; Michael Robert. et al.	
	434	US-20110001605	01-06-2011	KIANI; Massi Joe E. et al.	
	435	US-20110004085	01-06-2011	MENSINGER; Michael R. et al.	
	436	US-20110009727	01-13-2011	MENSINGER; Michael Robert. et al.	
	437	US-20110016064	01-20-2011	BARTON; Kenneth Edward.	
	438	US-20110019824	01-27-2011	SATTIRAJU; Venkateswara R. et al.	
	439	US-20110022411	01-27-2011	HJELM; Johan. et al.	
	440	US-20110024043	02-03-2011	BOOCK; Robert. et al.	

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Sheet 22 of 31

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Application Number	15617977
Filing Date	06-08-2017
First Named Inventor	MENSINGER; Michael Robert.
Art Unit	2685
Examiner Name	BALSECA, Franklin D.
Attorney Docket Number	225USC9 / DEXCOM.225C3

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	441	US-20110024307	02-03-2011	SIMPSON; Peter C. et al.	
	442	US-20110027127	02-03-2011	SIMPSON; Peter C. et al.	
	443	US-20110027453	02-03-2011	BOOCK; Robert. et al.	
	444	US-20110027458	02-03-2011	BOOCK; Robert. et al.	
	445	US-20110028815	02-03-2011	SIMPSON; Peter C. et al.	
	446	US-20110028816	02-03-2011	SIMPSON; Peter C. et al.	
	447	US-20110046467	02-24-2011	SIMPSON; Peter C. et al.	
	448	US-20110054282	03-03-2011	NEKOOMARAM; Saeed. et al.	
	449	US-20110058485	03-10-2011	SLOAN; Mark K.	
	450	US-20110060530	03-10-2011	FENNELL; Martin J.	
	451	US-20110065384	03-17-2011	CADER; Muhammad Abdul. et al.	
	452	US-20110077490	03-31-2011	SIMPSON; Peter C. et al.	
	453	US-20110081888	04-07-2011	WANISS; Amgad Mofied.	
	454	US-20110112908	05-12-2011	ROWLEY; Henry. et al.	
	455	US-20110118579	05-19-2011	GOODE JR.; Paul V. et al.	
	456	US-20110124992	05-26-2011	BRAUKER; James H. et al.	
	457	US-20110125410	05-26-2011	GOODE JR.; Paul V. et al.	
	458	US-20110130970	06-02-2011	GOODE JR.; Paul V. et al.	
	459	US-20110130971	06-02-2011	GOODE JR.; Paul V. et al.	
	460	US-20110130998	06-02-2011	GOODE JR.; Paul V. et al.	
	461	US-20110144465	06-16-2011	SHULTS; Mark C. et al.	

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Sheet 23 of 31

Complete if Known	
Application Number	15617977
Filing Date	06-08-2017
First Named Inventor	MENSINGER; Michael Robert.
Art Unit	2685
Examiner Name	BALSECA, Franklin D.
Attorney Docket Number	225USC9 / DEXCOM.225C3

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	462	US-20110178378	07-21-2011	BRISTER; Mark. et al.	
	463	US-20110190614	08-04-2011	BRISTER; Mark. et al.	
	464	US-20110201910	08-18-2011	RASDAL; Andrew. et al.	
	465	US-20110201911	08-18-2011	JOHNSON; Eric. et al.	
	466	US-20110210830	09-01-2011	TALTY; Timothy J. et al.	
	467	US-20110218414	09-08-2011	KAMATH; Apurv. et al.	
	468	US-20110231140	09-22-2011	GOODE JR.; Paul V. et al.	
	469	US-20110231141	09-22-2011	GOODE JR.; Paul V. et al.	
	470	US-20110231142	09-22-2011	GOODE JR.; Paul V. et al.	
	471	US-20110253533	10-20-2011	SHULTS; Mark C. et al.	
	472	US-20110263958	10-27-2011	BRAUKER; James H. et al.	
	473	US-20110264035	10-27-2011	YODFAT; Ofer. et al.	
	474	US-20110270062	11-03-2011	GOODE JR.; Paul V. et al.	
	475	US-20110270158	11-03-2011	BRAUKER; James H. et al.	
	476	US-20110275919	11-10-2011	PETISCE; James. et al.	
	477	US-20110290645	12-01-2011	BRISTER; Mark. et al.	
	478	US-20110313543	12-22-2011	BRAUKER; James H. et al.	
	479	US-20120035445	02-09-2012	BOOCK; Robert. et al.	
	480	US-20120040101	02-16-2012	TAPSAK; Mark A. et al.	
	481	US-20120046534	02-23-2012	SIMPSON; Peter C. et al.	
	482	US-20120078071	03-29-2012	BOHM; Sebastian. et al.	

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Complete if Known	
Application Number	15617977
Filing Date	06-08-2017
First Named Inventor	MENSINGER; Michael Robert.
Art Unit	2685
Examiner Name	BALSECA, Franklin D.
Attorney Docket Number	225USC9 / DEXCOM.225C3

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	483	US-20120084053	04-05-2012	YUEN; Shelten Gee Jao. et al.	
	484	US-20120130214	05-24-2012	BRISTER; Mark. et al.	
	485	US-20120172691	07-05-2012	BRAUKER; James H. et al.	
	486	US-20120179014	07-12-2012	SHULTS; Mark C. et al.	
	487	US-20120186581	07-26-2012	BRAUKER; James H. et al.	
	488	US-20120190953	07-26-2012	BRAUKER; James H. et al.	
	489	US-20120191063	07-26-2012	BRAUKER; James H. et al.	
	490	US-20120203467	08-09-2012	KAMATH; Apurv. et al.	
	491	US-20120209098	08-16-2012	GOODE JR.; Paul V. et al.	
	492	US-20120215086	08-23-2012	KAMATH; Apurv. et al.	
	493	US-20120215087	08-23-2012	COBELLI; Claudio. et al.	
	494	US-20120215201	08-23-2012	BRAUKER; James H. et al.	
	495	US-20120215461	08-23-2012	GOODE JR.; Paul V. et al.	
	496	US-20120215462	08-23-2012	GOODE JR.; Paul V. et al.	
	497	US-20120215496	08-23-2012	KAMATH; Apurv. et al.	
	498	US-20120216507	08-30-2012	NIEUWSTADT; Michiel J. Van.	
	499	US-20120220979	08-30-2012	BRAUKER; James H. et al.	
	500	US-20120226121	09-06-2012	KAMATH; Apurv Ullas. et al.	
	501	US-20120228134	09-13-2012	SIMPSON; Peter C. et al.	
	502	US-20120233679	09-13-2012	SHEDRINSKY; Felix.	
	503	US-20120235823	09-20-2012	TROCK; Adam. et al.	

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Sheet 25 of 31

Complete if Known	
Application Number	15617977
Filing Date	06-08-2017
First Named Inventor	MENSINGER; Michael Robert.
Art Unit	2685
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Attorney Docket Number	225USC9 / DEXCOM.225C3

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	504	US-20120238851	09-20-2012	KAMEN; Dean. et al.	
	505	US-20120238852	09-20-2012	BRAUKER; James H. et al.	
	506	US-20120242501	09-27-2012	TRAN; Bao. et al.	
	507	US-20120245448	09-27-2012	SHARIATI; Mohammad Ali. et al.	
	508	US-20120245855	09-27-2012	KAMATH; Apurv. et al.	
	509	US-20120255875	10-11-2012	VICENTE; Kenneth San. et al.	
	510	US-20120258748	10-11-2012	SAN VICENTE; Kenneth. et al.	
	511	US-20120259191	10-11-2012	SHARIATI; Mohammad Ali. et al.	
	512	US-20120260323	10-11-2012	SAN VICENTE; Kenneth. et al.	
	513	US-20120262298	10-18-2012	BOHM; Sebastian. et al.	
	514	US-20120265035	10-18-2012	BOHM; Sebastian. et al.	
	515	US-20120265036	10-18-2012	ESTES; Michael J. et al.	
	516	US-20120265037	10-18-2012	BOHM; Sebastian. et al.	
	517	US-20120277562	11-01-2012	BRISTER; Mark. et al.	
	518	US-20120277566	11-01-2012	KAMATH; Apurv Ullas. et al.	
	519	US-20120283541	11-08-2012	KAMATH; Apurv Ullas. et al.	
	520	US-20120283543	11-08-2012	BRAUKER; James H. et al.	
	521	US-20120296311	11-22-2012	BRAUKER; James H. et al.	
	522	US-20120302854	11-29-2012	KAMATH; Apurv Ullas. et al.	
	523	US-20120302855	11-29-2012	KAMATH; Apurv Ullas. et al.	

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	524	US-20120309302	12-06-2012	BUHOT; Thomas.	
	525	US-20120323100	12-20-2012	KAMATH; Apurv. et al.	
	526	US-20130012798	01-10-2013	BRISTER; Mark. et al.	
	527	US-20130030273	01-31-2013	TAPSAK; Mark A. et al.	
	528	US-20130035575	02-07-2013	MAYOU; Phil. et al.	
	529	US-20130035865	02-07-2013	MAYOU; Phil. et al.	
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	531	US-20130047233	02-21-2013	FISK; Frank C. et al.	
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	533	US-20130136221	05-30-2013	NISHIKATA; Kaori. et al.	
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	539	US-20140176346	06-26-2014	BRUMBACK; Christine Boomer. et al.	
	540	US-20140235166	08-21-2014	MOLETTIERE; Peter Andrew. et al.	
	541	US-20140244301	08-28-2014	LEE; Sung-Hwa. et al.	
	542	US-20140266776	09-18-2014	MILLER; Thomas. et al.	
	543	US-20140288402	09-25-2014	BRISTER; Mark. et al.	
	544	US-20150371350	12-24-2015	ZEBARJADI; Nafis. et al.	

Examiner Signature		Date Considered	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 27 of 31

Complete if Known	
Application Number	15617977
Filing Date	06-08-2017
First Named Inventor	MENSINGER; Michael Robert.
Art Unit	2685
Examiner Name	BALSECA, Franklin D.
Attorney Docket Number	225USC9 / DEXCOM.225C3

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	545	US-20160081586	03-24-2016	MILLER; Thomas. et al.	
	546	US-20170034682	02-02-2017	MATSUMASA; Hironori. et al.	
	547	US-20170135041	05-11-2017	MILLER; Thomas. et al.	
	548	US-20170181629	06-29-2017	MAHALINGAM; Aarthi. et al.	
	549	US-20170181630	06-29-2017	MAHALINGAM; Aarthi. et al.	
	550	US-20170181645	06-29-2017	MAHALINGAM; Aarthi. et al.	
	551	US-20170231497	08-17-2017	BRISTER; Mark C. et al.	
	552	US-20180132720	05-17-2018	MILLER; Thomas. et al.	
	553	US-20180160949	06-14-2018	BRISTER; Mark. et al.	
	554	US-20190059730	02-28-2019	BRISTER; Mark C. et al.	
	555	US-20190069817	03-07-2019	BRISTER; Mark. et al.	
	556	US-20190380163	12-12-2019	MILLER; Thomas. et al.	
	557	US-20200221949	07-16-2020	MENSINGER; Michael Robert. et al.	
	558	US-20200221950	07-16-2020	MENSINGER; Michael Robert. et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3]-Number[4]-Kind Code[5] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T[6]
	001	EP-2227062-A1	09-08-2010	FUJITSU LTD [JP]		☐

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Sheet 28 of 31

Complete if Known	
Application Number	15617977
Filing Date	06-08-2017
First Named Inventor	MENSINGER; Michael Robert.
Art Unit	2685
Examiner Name	BALSECA, Franklin D.
Attorney Docket Number	225USC9 / DEXCOM.225C3

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3]-Number[4]-Kind Code[5] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T[6]
	002	EP-2453398-A1	05-16-2012	NXP BV [NL]		☐
	003	EP-2498196-A2	09-12-2012	BROADCOM CORP [US]		☐
	004	JP-2016035699-A	03-17-2016	FUJITSU LTD.		☒
	005	WO-2013019225-A1	02-07-2013	DRAEGER MEDICAL SYSTEMS INC [US], et al.		☐
	006	WO-9718639-A1	05-22-1997	VITALCOM INC [US], et al.		☐

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Sheet 29 of 31

Complete if Known	
Application Number	15617977
Filing Date	06-08-2017
First Named Inventor	MENSINGER; Michael Robert.
Art Unit	2685
Examiner Name	BALSECA, Franklin D.
Attorney Docket Number	225USC9 / DEXCOM.225C3

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	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,page(s),volume-issue number(s),publisher, city and/or country where published.	T[2]
	001	ANONYMOUS, "Near Field Communication - Wikipedia, The Free Encyclopedia," Retrieved from https://en.wikipedia.org/w/index.php?title=Near_field_communication&%20oldid=543740757, June 27, 2014, 15 pages.	☐
	002	Extended European Search Report for Application No. 16882308.6 mailed July 23, 2019, 07 pages - Atty.Docket. No. 629VEPA.	☐
	003	Extended European Search Report for Application No. 18175412.8 mailed October 17, 2018, 11 pages - Atty. Docket No. DEXCOM.221EPD1.	☐
	004	File History of European Application No. 14708172.3 filed on June 16, 2015, including Opposition documents for Patent No. 2973082 (Appl. No. EP14708172.3), 1179 pages (See image file wrapper - Atty. Docket No. DEXCOM.221EP).	☐
	005	GARG S.K., et al., "Improved Glucose Excursions Using an Implantable Real-Time Continuous Glucose Sensor in Adults With Type 1 Diabetes," Emerging Treatments and Technologies, Diabetes Care, Vol. 27 (3), 2004, pp. 734-738.	☐
	006	HIRSCH et al., "Should Minimal Blood Glucose Variability Become the Gold Standard of Glycemic Control", Journal of Diabetes and Its Complications, Vol. 19, 2005, pp. 178-181.	☐
	007	International Preliminary Report on Patentability for Application No. PCT/US2013/076544 mailed July 09, 2015, 12 pages - Atty. Docket. No. 225VWOA.	☐
	008	International Preliminary Report on Patentability for Application No. PCT/US2014/016111 mailed September 24, 2015, 10 pages - Atty. Docket No. DEXCOM.221WO.	☐
	009	International Preliminary Report on Patentability for Application No. PCT/US2016/066399 mailed on July 12, 2018, 14 pages - Atty. Docket. No. 629VWOA.	☐

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 30 of 31

Complete if Known	
Application Number	15617977
Filing Date	06-08-2017
First Named Inventor	MENSINGER; Michael Robert.
Art Unit	2685
Examiner Name	BALSECA, Franklin D.
Attorney Docket Number	225USC9 / DEXCOM.225C3

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	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,page(s),volume-issue number(s),publisher, city and/or country where published.	T[2]
	010	International Search Report and Written Opinion for Application No. PCT/US2013/076544 mailed October 14, 2014, 16 pages Atty. Docket. No. 225VWOA.	☐
	011	International Search Report and Written Opinion for Application No. PCT/US2014/016111 mailed December 22, 2014, 13 pages - Atty. Docket No. DEXCOM.221WO.	☐
	012	International Search Report and Written Opinion for Application No. PCT/US2016/066399 mailed on March 30, 2017, 15 pages - Atty. Docket. No. 629VWOA.	☐
	013	MIRANO SYSTEMS INC, "Green Receipt," Retrieved from https://web.archive.org/web/20121224003730/http://mirano.ca/, 2012, 1 page.	☐
	014	NFC FORUM, "NFC Data Exchange Format (NDEF)," NFCForum-TS-NDEF 1.0, Technical Specification, NFC Forum™, NDEF 1.0, July 24, 2006, 25 pages.	☐
	015	NFCForum, NFCForum-TS-DigitalProtocol-1.0, 2010; 194 pages.	☐
	016	Office Action from Australian Patent Application No. 2019257401, dated June 24, 2020, 7 pages - Atty. Docket No. 629VAUD1.	☐
	017	University of California, Diabetes Teaching Center "Blood Sugar & Stress", Diabetes Education Online Jul. 27, 2013, 3 pages.	☐
	018	WIKIPEDIA, "Near-Field Communication," downloaded from https://en.wikipedia.org/wiki/Near-field_commucation on January 3, 2019, pp. 1-14.	☐

Examiner Signature		Date Considered	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet	31	of	31

Complete if Known	
Application Number	15617977
Filing Date	06-08-2017
First Named Inventor	MENSINGER; Michael Robert.
Art Unit	2685
Examiner Name	BALSECA, Franklin D.
Attorney Docket Number	225USC9 / DEXCOM.225C3

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.

☐ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith. Please place these references in the file in accordance with 37 CFR 1.97(i).

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	/Rose M. Thiessen/	Date (YYYY-MM-DD)	2020-07-30
Name/Print	Rose M. Thiessen	Registration Number	40202

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33216542:abt

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EFS ID:	40150561
Application Number:	15617977
International Application Number:	
Confirmation Number:	8138
Title of Invention:	REMOTE MONITORING OF ANALYTE MEASUREMENTS
First Named Inventor/Applicant Name:	Michael Robert Mensinger
Customer Number:	68851
Filer:	Rose M. Thiessen/Alexa Terracin
Filer Authorized By:	Rose M. Thiessen
Attorney Docket Number:	DEXCOM.225C3
Receipt Date:	30-JUL-2020
Filing Date:	08-JUN-2017
Time Stamp:	14:12:06
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	Foreign Reference	EP2227062A1_EFS.pdf	2352188 c7fb748366f11ed861412183db22e3be3f866b28	no	56

Warnings:

Information:					
2	Foreign Reference	EP2453398A1_EFS.pdf	789374 81aacad579806264a6a5cda7d6db511fddc06755	no	15
Warnings:					
Information:					
3	Foreign Reference	EP2498196A2_EFS.pdf	4162685 bf60f6214048441 0a7f43a55a808c0f80a67a6da	no	89
Warnings:					
Information:					
4	Foreign Reference	JP2016035699A_EFS.pdf	1120022 16802d13c535a1d87568bf30b406b7a5fe9873df	no	26
Warnings:					
Information:					
5	Foreign Reference	WO2013019225A1_EFS.pdf	1410847 1cc273772846c8fabfd41186fb3c65644d81e9c3	no	34
Warnings:					
Information:					
6	Foreign Reference	WO9718639A1_EFS.pdf	1559271 b9439ab8b211e75b949daf6a46b3ac0d447c77e5	no	35
Warnings:					
Information:					
7	Non Patent Literature	ANONYMOUS_NearField_Communication_2014_15pgs_EFS.pdf	2702934 63daa15ae4f7b29010ddde5e3c55a73344a18fd8	no	15
Warnings:					
Information:					
8	Other Reference-Patent/App/Search documents	EESR_168823086_23July2019_07pgs_EFS.pdf	204831 ee03982cd0120721e0c792baedddaddf924b344f	no	7
Warnings:					
Information:					

9	Other Reference-Patent/App/Search documents	EESR_EP18175412_17Oct2018_11pgs_EFS.pdf	350914 514c587d06b02684b2300e1e07b6a0308c9651b6	no	11
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10	Other Reference-Patent/App/Search documents	File_History_EP14708172_1179pgs_EFS.pdf	14942264 9a51eb8d9e387334acaa388bd647050cb4ad7b50	no	1179
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Information:					
11	Non Patent Literature	GARG_Glucose_Excursions_2004_5pgs_EFS.pdf	2261743 75968130d60e1f1310d9f46ebbb1dccfc8e757c3	no	5
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Information:					
12	Non Patent Literature	Hirsch_2005_Should_minimal_blood.pdf	120850 3c20ff986ce47c1c229f2cc6b1864c8da8e85417	no	4
Warnings:					
Information:					
13	Other Reference-Patent/App/Search documents	IPRP_PCTUS2013076544_09July2015_12pgs_EFS.pdf	404313 a8edd72f235d4cddab569d90d0c5793efd2518fe	no	12
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Information:					
14	Other Reference-Patent/App/Search documents	IPRP_PCTUS2014016111_24Sep2015_10pgs_EFS.pdf	334219 ddaa805b07f8fc3636f8cd03341164189ae546a9	no	10
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15	Other Reference-Patent/App/Search documents	IPRP_PCTUS2016066399_12July2018_14pgs_EFS.pdf	1052719 6973fc5b4428c89264588aeedcd9399f749b02fc	no	14
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Information:					

16	Other Reference-Patent/App/Search documents	ISR_WO_PCTUS2013076544_14Oct2014_16pgs_EFS.pdf	527732 42f3b56b52bdcc0e6859cccd4c3e5476c99c95d5	no	16
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Information:					
17	Other Reference-Patent/App/Search documents	ISR_WO_PCTUS2014016111_22Dec2014_13pgs_EFS.pdf	424434 450aeebd7ca314fdb6c2fc6dfaad3395aaac8bf7	no	13
Warnings:					
Information:					
18	Other Reference-Patent/App/Search documents	ISR_WO_PCTUS2016066399_30March2017_15pgs_EFS.pdf	1134443 fd1c34818b427fecc2b4056cedb88dc6046c7523	no	15
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Information:					
19	Non Patent Literature	MIRANO_SYSTEMS_Green_Receipt_2012_1pg_EFS.pdf	234361 53d58deec672a797c674709d60809ad42a9623b9	no	1
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Information:					
20	Non Patent Literature	NFC_Data_Exchange_Format_2006_25pgs_EFS.pdf	4255423 7966691bcc02b851316bdc11163eb67e9112312b	no	25
Warnings:					
Information:					
21	Non Patent Literature	NFCForum_TSDigitalProtocol_2010_194pgs_PART1_EFS.pdf	23343299 d24387da0c5d7d0b1a80476f3dcbe8c343090105	no	100
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Information:					
22	Non Patent Literature	NFCForum_TSDigitalProtocol_2010_194pgs_PART2_EFS.pdf	21107523 6b427592a09034694ec0c59904d2c30439edd389	no	94
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Information:					

23	Other Reference-Patent/App/Search documents	OA_AU2019257401_24Jun2020_7pgs_EFS.pdf	2057955 0355dbdd743553e230a9efd2d5d89d3b800efe84	no	7
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Information:					
24	Non Patent Literature	University_Of_California_27July2013_3pgs_EFS.pdf	125962 dcbe45e28eff2f7ff46e8bfdfc22305058222832	no	3
Warnings:					
Information:					
25	Non Patent Literature	WIKIPEDIA_Near_Field_2019_14pgs_EFS.pdf	4215115 b545e6ac8c5cc36f0d6002e65bc1d11408ff942e	no	14
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Information:					
26		DEX225C3_20200730.pdf	440456 3d93e2d732ab73011b405f5f1f38ee010c90c317	yes	31

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Information Disclosure Statement (IDS) Form (SB08)	1	30
	Transmittal Letter	31	31

Warnings:	
Information:	
Total Files Size (in bytes):	91635877

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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

In re Application of: Michael Robert Mensinger	Examiner: Balseca, Franklin D.
Serial No.: 15/617,977	Art Unit: 2685
Filed: June 8, 2017	Conf. No.: 8138
Title: Remote Monitoring of Analyte Measurements	

AMENDMENT AFTER FINAL

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

Dear Sir:

In response the Office Action Made Final mailed June 15, 2020, Applicant respectfully requests withdrawal of the outstanding rejections in light of the amendments and remarks herein.

Amendments to the Claims begin on page 2.

Remarks begin on page 6.

Abbott Ex. 1002 - 588/848

AMENDMENTS TO THE CLAIMS

Without prejudice or surrender of any subject matter, this listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) A method comprising:

receiving, at a remote monitor, an invitation to access a secure server and data associated with a receiver monitoring an analyte state of a host;

providing, from the remote monitor to the secure server, an acceptance to the invitation;

identifying, by the remote monitor, a set of one or more rules that define conditions for communications between the secure server and the remote monitor, wherein the set of one or more rules are provided to the remote monitor by the secure server and associated with the data associated with the receiver, and wherein the set of one or more rules are generated according to one or more preferences or settings from a host device; and

modifying, by the remote monitor, at least one rule of the set of one or more rules wherein the set of one or more rules includes a first rule defining an alert representative of an event associated with the analyte state of the host, the event being determined by the secure server based on a first measurement of the data associated with the receiver regarding the analyte state of the host at a first time, wherein the alert, when triggered at the first time, causes an alert message to be sent to the remote monitor from [[a]] the secure server to notify the remote monitor of at least one of the event and a second rule ~~of the set of one or more rules varying~~defining a time value as to when a reminder message is sent to the remote monitor after the alert message is sent to the remote monitor, the reminder message only being sent if the alert message has not been previously acknowledged by the remote monitor and only if the event associated with the analyte state of the host has not changed, based on a second measurement of the data at a second time, after the alert message was sent.

2. (Currently Amended) The method of claim 1, wherein the at least one rule is the first rule, wherein modifying the first rule comprises varying a first threshold associated with a low level of glucose at the host, and wherein the event being determined by the secure server is further based on the first measurement indicating an analyte measurement that is lower than the first threshold.

Abbott Ex. 1002 - 589/848

3. (Currently Amended) The method of claim 1, wherein the at least one rule is the first rule, wherein modifying the first rule comprises varying a second threshold associated with a high level of glucose at the host, and wherein the event being determined by the secure server is further based on the first measurement indicating an analyte measurement that is higher than the second threshold.

4. (Currently Amended) The method of claim 1, wherein the set of one or more rules further comprises a third rule that defines a delay between when a notification message is sent to the receiver and when the alert message is sent to the remote monitor, the method further comprising modifying the[[a]] third rule by varying the[[a]] delay ~~between when a notification message is sent to the receiver and the alert message is sent to the remote monitor~~.

5. (Cancelled)

6. (Currently Amended) The method of claim 1, wherein the invitation is associated with a set of recommended rule settings configured by the[[a]] host device~~monitoring system~~, wherein the recommended rule settings are provided to the remote monitor for acceptance or modification.

7. (Currently Amended) The method of claim 1, wherein accepting the invitation programmatically~~programically~~ establishes an account associated with the remote monitor at the server.

8. (Currently Amended) An apparatus for remote monitoring of a host's analyte levels, the apparatus comprising:

at least one processor; and

at least one memory including code, which when executed by the at least one processor causes the apparatus to:

receive an invitation to access a secure server and data associated with a receiver monitoring an analyte state of a host;

provide to the secure server an acceptance to the invitation;

identify, by the apparatus, that define conditions for communications between the secure server and the remote monitor, wherein the set of one or more rules are provided to the remote monitor by the secure server and associated with the data associated with

Abbott Ex. 1002 - 590/848

the receiver, and wherein the set of one or more rules are generated according to one or more preferences or settings from a host device; and

modify at least one rule of the set of one or more rules wherein the set of one or more rules includes a first rule defining an alert representative of an event associated with the analyte state of the host, the event being determined by the secure server based on a first measurement of the data associated with the receiver regarding the analyte state of the host at a first time, wherein the alert, when triggered at the first time, causes an alert message to be sent to the apparatus from [[a]] the secure server to notify the apparatus of at least one of the event and a second rule ~~of the set of one or more rules varying~~ defining a time value as to when a reminder message is sent to the apparatus after the alert message is sent, the reminder message only being sent if the alert message has not been previously acknowledged by the apparatus and only if the event associated with the analyte state of the host has not changed, based on a second measurement of the data at a second time, after the alert message was sent.

9. (Currently Amended) The apparatus of claim 8, wherein at least one rule is the first rule, wherein modifying the first rule comprises varying a first threshold associated with a low level of glucose at the host, and wherein the event being determined by the secure server is further based on the first measurement indicating an analyte measurement that is lower than the first threshold.

10. (Currently Amended) The apparatus of claim 8, wherein the at least one rule is the first rule, wherein modifying the first rule comprises varying a second threshold associated with a high level of glucose at the host, and wherein the event being determined by the secure server is further based on the first measurement indicating an analyte measurement that is higher than the second threshold.

11. (Currently Amended) The apparatus of claim 8, wherein the set of one or more rules further comprises a third rule that defines a delay between when a notification message is sent to the receiver and when the alert message is sent to the remote monitor, and wherein the code further causes the apparatus to modify the[[a]] third rule by varying the[[a]] delay ~~between when a notification message is sent to the receiver and the alert message is sent to the remote monitor~~.

12. (Cancelled)

Abbott Ex. 1002 - 591/848

13. (Currently Amended) The apparatus of claim 8, wherein the invitation is associated with a set of recommended rule settings configured by the[[a]] host device~~monitoring system~~, wherein the recommended rule settings are provided to the remote monitor for acceptance or modification.

14. (Currently Amended) The apparatus of claim 8, wherein the apparatus is configured to accept the invitation responsive to user input at the apparatus, wherein accepting the invitation programmatically~~programically~~ establishes an account associated with the apparatus at the server.

15. (Currently Amended) The method of claim 1, wherein the at least one rule is the second rule, and wherein providing the acceptance to the invitation occurs after modifying the second rule ~~varying the time value as to when a reminder message is sent to the remote monitor after the alert message is sent to the remote monitor~~.

16. (Currently Amended) The apparatus of claim 8, wherein the at least one rule is the second rule, and wherein the apparatus is configured to provide the acceptance to the invitation after modifying the second rule ~~varying the time value as to when a reminder message is sent to the remote monitor after the alert message is sent to the remote monitor~~.

REMARKS

Claims 1-4, 6-11, and 13-16 are pending and stand rejected. By the present amendment, Claims 1-4, 6-11, and 13-16 have been amended. Support for the amendments is found in the specification and claims as filed. By the following remarks, Applicant does not acquiesce to the propriety of any of the Examiner's objections or rejections and does not disclaim any subject matter to which Applicant is entitled. *Cf. Warner-Jenkinson Co. v. Hilton Davis Chem. Co.*, 41 U.S.P.Q. 2d 1865 (U.S. 1997). Cancellation and/or amendment of certain claims in this or any other response is not to be construed as a dedication to the public of any of the subject matter of the claims as previously presented, and Applicant reserves the ability to pursue the amended claims as filed, the canceled claims or similar claims in one or more continuing applications, e.g., continuation, divisional, or continuation-in-part applications.

Discussion of Claim Rejection for Nonstatutory Double Patenting

The Examiner rejected Claims 1-4, 6, 8-11 and 13-14 on the ground of nonstatutory double patenting as being unpatentable over Claims 1-5 and 16-21 of U.S. Patent No. 9,585,563. Applicant respectfully asserts that the claims as amended are not encompassed by the claims of U.S. Patent No. 9,585,563, and respectfully requests that the rejection be withdrawn.

Discussion of Claim Rejections under 35 U.S.C. § 103

The Examiner rejected Claims 1-3, 8-10, and 15-16 under pre-AIA 35 U.S.C. § 103(a) as allegedly being unpatentable over U.S. Pat. Pub. No. 2013/0117696 (hereinafter referred to as Robertson), in view of U.S. Pat. Pub. No. 2006/0010098 (hereinafter referred to as Goodnow), U.S. Pat. Pub. No. 2012/0136221 (hereinafter referred to as Killen), U.S. Pat. Pub. No. 2012/0108934 (hereinafter referred to as Valdes), U.S. Pat. No. 8,912,897 (hereinafter referred to as Carnes), and U.S. Pat. No. 8,821,622 (hereinafter referred to as Manahan). The Examiner rejected Claims 4 and 11 under pre-AIA 35 U.S.C. § 103(a) as allegedly being unpatentable over Robertson, Goodnow, Killen, Valdes, Carnes and Manahan and further in view of U.S. 2005/0148890 (hereinafter referred to as Hastings). The Examiner rejected Claims 6 and 13 under pre-AIA 35 U.S.C. § 103(a) as allegedly being unpatentable over Robertson, Goodnow, Killen, Valdes, Carnes and Manahan and further in view of U.S.

Abbott Ex. 1002 - 593/848

2013/0173742 (hereinafter referred to as Thomas). The Examiner rejected Claims 7 and 14 under pre-AIA 35 U.S.C. § 103(a) as allegedly being unpatentable over Robertson, Goodnow, Killen, Valdes, Carnes and Manahan and further in view of U.S. 2013/0159456 (hereinafter referred to as Daoud).

For obviousness under 35 U.S.C. § 103(a), each and every limitation must be taught or suggested by the prior art reference, or references when combined or modified (MPEP 2143). It should therefore be noted that Applicant need only point out a single limitation in each claim that is not disclosed, taught, or suggested by any reference identified in the Final Office Action ("FOA") to overcome the prior art-based rejections. The following discussion therefore should not be construed as an exhaustive listing of every distinguishing feature set forth in the claims.

Applicant respectfully submits that the cited references, either alone or in combination, do not disclose, teach, or suggest all of the features of currently amended claim 1. For example, the combination of the cited references does not disclose, teach, or suggest: "identifying, by the remote monitor, a set of one or more rules that define conditions for communications between the secure server and the remote monitor, wherein the set of one or more rules are provided to the remote monitor by the secure server…," and "modifying, by the remote monitor, at least one rule of the set of one or more rules …," as recited in claim 1.

The FOA acknowledges that Robertson does not disclose these features but asserts that Goodnow teaches these features. OA, pages 9-10. Applicant respectfully disagrees. Goodnow describes a patient that downloads an application on a personal computer (PC) and uploads glucose data to the PC using the application. *See* paragraph [0206]-[0218] of Goodnow. The data uploaded to the PC can be shared through the application with a host server that is in communication with a PC that executes the same type of application and is operated by a health care professional (HCP). *See id.* Using the application, the patient is able to "select a Glucose Targets tab to enter target glucose ranges." *See id.* at paragraph [0235]. "The target ranges that are set are displayed on a graph on the Screen illustrated at FIG. 20, as well as in many other reports that can be generated by the System." *Id.* "The ranges may be displayed in Signal colors for easy viewing." *Id.* The user in Goodnow is able to allow an HCP to view and edit data that the user inputs in the application "including event data, glucose targets …" *See id.* at paragraph [0409].

Applicant submits that glucose targets are not "a set of one or more rules **that define conditions for communications between the secure server and the remote monitor**," as recited

Abbott Ex. 1002 - 594/848

in claim 1. In Goodnow, glucose targets or target ranges are displayed to the user so that the user can identify whether the user's glucose is within the target range or not. The glucose targets do not define **conditions for communications**, let alone conditions for communications between the host server and the HCP in Goodnow. Similarly, Goodnow also does not disclose, teach, or suggest: "modifying, by the remote monitor, at least one rule of the set of one or more rules …," as recited in claim 1. In Goodnow, the HCP modifies glucose targets and not a set of one or more rules **that define conditions for communications between the secure server and the remote monitor**.

Accordingly, Goodnow does not disclose, teach, or suggest: "identifying, by the remote monitor, a set of one or more rules that define conditions for communications between the secure server and the remote monitor, wherein the set of one or more rules are provided to the remote monitor by the secure server…," and "modifying, by the remote monitor, at least one rule of the set of one or more rules …," as recited in claim 1.

The OA acknowledges that Robertson, Goodnow, Killen, Valdes, and Carnes do not disclose: "the reminder message only being sent … if the event associated with the analyte state of the host has not changed, based on a second measurement of the data at a second time, after the alert message was sent," as recited in claim 1. Instead, the OA states that Manahan discloses this feature.

However, Manahan is directed to a maintenance sensing system for an explosion-proof enclosure that uses a method for sensing when maintenance for an explosion proof enclosure is required. *See* columns 1 and 2 of Manahan. The maintenance sensing system includes a control device 450 that stores a threshold value for one or more operating parameters. *See id.* at column 13, lines 33-45. The control device 450 is able to identify whether the operating parameters (i.e., temperature of the system) exceed the threshold value and, if yes, sends a notification to a user. *See id.* at column 14. "The notification may inform one or more users [i.e., maintenance technicians] of a maintenance issue that has arisen with respect to one or more elements associated with, and/or located within, the explosion-proof enclosure 400." *Id.* "For example, the notification may notify a user that the pre-filter assembly should be cleaned within the next 30 days." *Id.* "The notification may be sent continuously until the problem is resolved (i.e., the pressure differential, temperature, and/or airflow rate are brought to within normal operating levels)."

Abbott Ex. 1002 - 595/848

Note that claim 1 recites the reminder message only being sent **if ... the event associated with *the analyte state of the host*** has not changed. In contrast, Manahan discusses continuously sending alerts until a maintenance problem associated with an explosion-proof enclosure is resolved. An analyte state is not the same as a maintenance problem, which is resolved when a maintenance worker cleans the debris from the pre-filter material. Also a host or a patient is not an explosion-proof enclosure. Accordingly, Manahan does not disclose, teach, or suggest: "the reminder message only being sent ... if the event associated with the analyte state of the host has not changed, based on a second measurement of the data at a second time, after the alert message was sent," as recited in claim 1.

In addition, Applicant submits that Manahan cannot be combined with the other cited references because Manahan is not analogous art. Section 2141.01(a) of the MPEP states that "a reference is analogous art to the claimed invention if: (1) the reference is from the same field of endeavor as the claimed invention (even if it addresses a different problem); or (2) the reference is reasonably pertinent to the problem faced by the inventor (even if it is not in the same field of endeavor as the claimed invention). *See Bigio,* 381 F.3d at 1325, 72 USPQ2d at 1212."

As shown above, Manahan is not from the same field of endeavor as the claimed invention. The present invention relates to the medical field and more specifically, glucose monitoring. Manahan is completely unrelated to the medical field, let alone glucose monitoring. In addition, Manahan is not reasonably pertinent to the problem faced by the inventor of the present application.

In order for a reference to be "reasonably pertinent" to the problem, it must "logically [] have commended itself to an inventor's attention in considering his problem." MPEP, Section 2141.01(a). "In determining whether a reference is reasonably pertinent, an examiner should consider the problem faced by the inventor, as reflected - either explicitly or implicitly - in the specification." *Id.* The problem in Manahan is the overheating of variable frequency drives (VFDs) and the installation and operating costs that result from removing the VFD to a remote location so that an explosion-proof receptacle housing and enclosure system is not required, allowing proper cooling of the VFD during operation. *See* Manahan at column 1, lines 30-55. Therefore, by implementing a maintenance system, the maintenance crew could be alerted to remove debris from pre-filter material of the explosion enclosure to cool down the system. *Id.* In contrast, as only one non-limiting example, certain embodiments of the present application are

Abbott Ex. 1002 - 596/848

concerned with alerting a remote monitor about an analyte state of a patient and "determin[ing] when to trigger an event … to reduce the frequency of some alerts and/or notifications … [because] a remote monitor 114 [that receives] … too many messages may decide to ignore the messages." *See* paragraph [0170] of the present application. Accordingly, Manahan would not have logically commended itself to an inventor's attention in considering what certain embodiments of the present application are concerned with. Thus, Manahan is not analogous art and cannot be combined with the other cited references.

The combination of the cited references, therefore, fails to disclose, teach, or suggest all of the features of claim 1. Further, the remaining cited art does not cure the discussed deficiencies of the cited references, nor is it used in such a manner. Accordingly, Applicant respectfully submits that claim 1 is in condition for allowance. Claim 8 recites similar features as claim 1 and is therefore also in condition for allowance. The remaining claims are dependent on one of the independent claims and are therefore allowable at least based on their dependency.

No Disclaimers or Disavowals

Although the present communication may include alterations to the application or claims, or characterizations of claim scope or referenced art, Applicant is not conceding in this application that previously pending claims are not patentable over the cited references. Rather, any alterations or characterizations are being made to facilitate expeditious prosecution of this application. Applicant reserves the right to pursue at a later date any previously pending or other broader or narrower claims that capture any subject matter supported by the present disclosure, including subject matter found to be specifically disclaimed herein or by any prior prosecution. Accordingly, reviewers of this or any parent, child or related prosecution history shall not reasonably infer that Applicant has made any disclaimers or disavowals of any subject matter supported by the present application.

Any remarks in support of patentability of one claim should not be imputed to any other claim, even if similar terminology is used. Any language or remarks referring to only a portion of a claim should not necessarily be understood to base patentability on solely that portion; rather, patentability rests on each claim taken as a whole.

Applicant respectfully submits that to the extent any disclaimers or statements were made previously during prosecution with respect to the scope of the claimed invention, such disclaimers and statements are hereby rescinded.

Abbott Ex. 1002 - 597/848

Applicant respectfully reserves the ability to traverse any of the rejections, assertions and submissions made in connection with the application, even if not discussed herein, including the right to challenge later whether any of the cited references is prior art. The absence of a reply to a specific rejection, issue, or comment does not signify agreement with or concession of that rejection, issue, or comment. In addition, because any arguments made may not be exhaustive, there may be other reasons that have not been expressed for patentability of any or all claims. When amendments are made to any claims, no acquiescence or estoppel is implied thereby; such amendments are made only to expedite prosecution of the present application and are without prejudice to the presentation or assertion, in the future, of claims directed to subject matter that is same as or similar to that previously presented. Nothing in this paper should be construed as an intent to concede, or actual concession of, any issue with regard to any claim, or to any cited art, except as specifically stated in this paper, and the amendment or cancellation of any claim does not necessarily signify concession of unpatentability of the claim prior to its amendment or cancellation.

Conclusion

Should the Examiner have any concerns that might prevent the prompt allowance of the application, the Examiner is respectfully invited to contact the undersigned at the telephone number below. Please charge any additional fees, including any fees for additional extension of time, or credit overpayment to Deposit Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: August 14, 2020

By: /Rose M. Thiessen/
Rose M. Thiessen
Registration No. 40,202
Registered Practitioner
(858) 707-4000

33333820

Abbott Ex. 1002 - 598/848

Electronic Acknowledgement Receipt

EFS ID:	40293454
Application Number:	15617977
International Application Number:	
Confirmation Number:	8138
Title of Invention:	REMOTE MONITORING OF ANALYTE MEASUREMENTS
First Named Inventor/Applicant Name:	Michael Robert Mensinger
Customer Number:	68851
Filer:	Rose M. Thiessen/Elizabeth Rutherford
Filer Authorized By:	Rose M. Thiessen
Attorney Docket Number:	DEXCOM.225C3
Receipt Date:	14-AUG-2020
Filing Date:	08-JUN-2017
Time Stamp:	18:42:41
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		response-update.pdf	85535 cf446233b792c4bef44d1ce8050d558081a8d1e3	yes	11

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Response After Final Action	1	1
	Claims	2	5
	Applicant Arguments/Remarks Made in an Amendment	6	11
Warnings:			
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	Total Files Size (in bytes):	85535	

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New Applications Under 35 U.S.C. 111

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

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New International Application Filed with the USPTO as a Receiving Office

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

PTO/SB/06 (09-11)
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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 15/617,977	Filing Date 06/08/2017	☐ 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 $80 =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*		x $420 =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).				
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))					
* If the difference in column 1 is less than zero, enter "0" in column 2.				TOTAL	

APPLICATION AS AMENDED - PART II

		(Column 1)		(Column 2)	(Column 3)			
AMENDMENT	08/14/2020	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 14	Minus	** 20	= 0		x $100 =	0
	Independent (37 CFR 1.16(h))	* 2	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

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

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

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

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/617,977	06/08/2017	Michael Robert Mensinger	DEXCOM.225C3	8138

68851 7590 08/24/2020

KNOBBE, MARTENS, OLSON & BEAR, LLP
DEXCOM, INC.
2040 MAIN STREET
FOURTEENTH FLOOR
IRVINE, CA 92614

EXAMINER
BALSECA, FRANKLIN D

ART UNIT	PAPER NUMBER
2685	

NOTIFICATION DATE	DELIVERY MODE
08/24/2020	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):

efiling@knobbe.com
jayna.cartee@knobbe.com

Advisory Action Before the Filing of an Appeal Brief	Application No. 15/617,977	Applicant(s) Mensinger et al.	
	Examiner FRANKLIN D BALSECA	Art Unit 2685	AIA (FITF) Status No

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

THE REPLY FILED 14 August 2020 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 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 Continuation Sheet (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: _____.
13. ☐ Note the attached Information *Disclosure Statement*(s). (PTO/SB/08) Paper No(s). _____
14. ☐ Other: _____.

STATUS OF CLAIMS

15. The status of the claim(s) is (or will be) as follows:
    Claim(s) allowed:_____.
    Claim(s) objected to:_____.
    Claim(s) rejected:1-4,6-11 and 13-16.
    Claim(s) withdrawn from consideration:_____.

/FRANKLIN D BALSECA/ Examiner, Art Unit 2685	

Continuation of 3. NOTE: The independent and some dependent claims have been amended with limitations that have not been previously claimed. For this reason, the claims will require further search and consideration, and the amendments have not been entered.

Do NOT Enter /FRANKLIN D BALSECA/ 08/17/2020

Patent
DEXCOM.225C3

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Michael Robert Mensinger	Examiner: Balseca, Franklin D.
Serial No.: 15/617,977	Art Unit: 2685
Filed: June 8, 2017	Conf. No.: 8138
Title: Remote Monitoring of Analyte Measurements	

AMENDMENT AFTER FINAL

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

Dear Sir:

In response the Office Action Made Final mailed June 15, 2020, Applicant respectfully requests withdrawal of the outstanding rejections in light of the amendments and remarks herein.

Amendments to the Claims begin on page 2.

Remarks begin on page 6.

Abbott Ex. 1002 - 605/848

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 15/617,977	Filing Date 06/08/2017	☐ 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 $80 =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*		x $420 =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).				
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))					
* If the difference in column 1 is less than zero, enter "0" in column 2.				TOTAL	

APPLICATION AS AMENDED - PART II

		(Column 1)		(Column 2)	(Column 3)			
AMENDMENT	09/01/2020	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 14	Minus	** 20	= 0		x $100 =	0
	Independent (37 CFR 1.16(h))	* 2	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

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

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

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

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

Doc code: RCEX
Doc description: Request for Continued Examination (RCE)

PTO/SB/30EFS (02-18)
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 contains a valid OMB control number.

REQUEST FOR CONTINUED EXAMINATION(RCE)TRANSMITTAL
(Submitted Only via EFS-Web)

Application Number	15617977	Filing Date	2017-06-08	Docket Number (if applicable)	DEXCOM.225C3	Art Unit	2685
First Named Inventor	Michael Robert Mensinger			Examiner Name	Franklin D. Balseca		

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, 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 111410

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

X Patent Practitioner Signature

Applicant Signature

PTO/SB/30EFS (02-18)
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 contains a valid OMB control number.

Signature of Registered U.S. Patent Practitioner			
Signature	/Rose M. Thiessen/	Date (YYYY-MM-DD)	2020-09-01
Name	Rose M. Thiessen	Registration Number	40202

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.

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.

Electronic Patent Application Fee Transmittal

Application Number:	15617977
Filing Date:	08-Jun-2017
Title of Invention:	REMOTE MONITORING OF ANALYTE MEASUREMENTS
First Named Inventor/Applicant Name:	Michael Robert Mensinger
Filer:	Rose M. Thiessen/Aly Quintong
Attorney Docket Number:	DEXCOM.225C3

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($)
Miscellaneous:				
RCE- 2ND AND SUBSEQUENT REQUEST	1820	1	1900	1900
		Total in USD ($)		**1900**

Electronic Acknowledgement Receipt

EFS ID:	40441105
Application Number:	15617977
International Application Number:	
Confirmation Number:	8138
Title of Invention:	REMOTE MONITORING OF ANALYTE MEASUREMENTS
First Named Inventor/Applicant Name:	Michael Robert Mensinger
Customer Number:	68851
Filer:	Rose M. Thiessen/Christina Graul
Filer Authorized By:	Rose M. Thiessen
Attorney Docket Number:	DEXCOM.225C3
Receipt Date:	01-SEP-2020
Filing Date:	08-JUN-2017
Time Stamp:	17:06:15
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	$1900
RAM confirmation Number	E202091H06489528
Deposit Account	111410
Authorized User	Christina Graul

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

37 CFR 1.16 (National application filing, search, and examination fees)

37 CFR 1.17 (Patent application and reexamination processing fees)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Request for Continued Examination (RCE)	RCE.pdf	1349943 6c6b9972112de1354eb4d7f22c1162cc81fd58e5	no	3
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	30551 9d07672f0676a479b58061a5e7772891d08d8f31	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	1380494		

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/617,977	06/08/2017	Michael Robert Mensinger	DEXCOM.225C3	8138

68851 7590 09/22/2020

KNOBBE, MARTENS, OLSON & BEAR, LLP
DEXCOM, INC.
2040 MAIN STREET
FOURTEENTH FLOOR
IRVINE, CA 92614

EXAMINER
BALSECA, FRANKLIN D

ART UNIT	PAPER NUMBER
2685	

NOTIFICATION DATE	DELIVERY MODE
09/22/2020	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):

efiling@knobbe.com
jayna.cartee@knobbe.com

Office Action Summary	Application No. 15/617,977	Applicant(s) Mensinger et al.	
	Examiner FRANKLIN D BALSECA	Art Unit 2685	AIA (FITF) Status No

-- 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 September 2020.

☐ 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) 1-11 and 13-16 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) 1-11 and 13-16 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: _____.

Detailed Action

Continued Examination Under 37 CFR 1.114

1. 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 September 1, 2020 has been entered.

Response to Arguments

2. Applicant's arguments filed August 14, 2020 have been fully considered but they are not persuasive.

In regards to claims 1 and 8, the applicant argues that the target values taught by Goodnow (US-2006/0010098) are not a set of one or more rules that define conditions for communications between the secure server and the remote monitor [see applicant's arguments pg. 7 last two lines, pg. 8 L. 1-13].

The examiner respectfully disagrees with the applicant. As stated in the last office action, it appears that the applicant is reading each prior art individually and not as a combination. The examiner agrees with the applicant that Goodnow does not teach

that the target values are used to transmit alerts from the server to the remote monitor (a set of one or more rules that define conditions for communications between the secure server and the remote monitor). However, the Goodnow reference was not used for that purpose because the Goodnow reference was only used to show that target values (set of one or more rules) can be set up at the server by the patient and edited by the caregiver. The limitation of target values used for communication purpose was show by the Killen et al. (US-2012/0136221) reference which was part of the rejection. Killen explicitly teaches that target values set up at the server can be used by the server to send notifications to the remote monitor [see Killen fig. A72, par. 0143 L. 4-10, par. 0154]. Therefore, the combination of Goodnow and Killen teaches that target values (set of one or more rules), which can be edited by a caregiver (remote monitor), can be set up by the patient (host device), and that the target values set up at the server can be used by the server to transmit alerts to the caregiver. In other words, the combination of Goodnow and Killen teaches a step of identifying, by the remote monitor, a set of one or more rules that define conditions for communications between the secure server and the remote monitor, wherein the set of one or more rules are provided to the remote monitor by the secure server and associated with the data associated with the receiver, and wherein the set of one or more rules are generated according to one or more preferences or settings from a host device. For the reasons provided above, the applicant's arguments are not persuasive.

Furthermore, the applicant argues that Manahan et al. (US-8,821,622) does not teach the limitation of transmitting a reminder message if the event associated with the analyte state of the host has not changed because Manahan continuously transmits the

alert until a maintenance problem is resolved by cleaning for example [see applicant's arguments pg. 9 L. 1-9]. Also, the applicant argues that one of ordinary skill in the art would have not combined Manahan's teachings with the other cited prior art because Manahan is not in the same field of endeavor (monitoring of patients) [see applicant's arguments pg. 9 L. 10-31, pg. 10 L. 1-13].

The examiner respectfully disagrees with the applicant. As previously stated by the examiner, the applicant appears to be reading each prior art individually and not as a combination. First of all, the Manahan reference was only used to show that a system stops sending messages regarding a condition when the condition returns to normal. The timing of when reminder messages are sent and the content of the messages such an analyte condition was shown by the other cited prior art used in the rejection. Manahan explicitly states that the notification regarding a condition continues to be sent (reminders are sent) until the condition that caused the notification for (pressure, temperature or air flow) is brought to within normal operating levels for example pressure. This teaching clearly shows that the system continues monitoring the condition that caused the alert and that the system stops sending the notification when the sensed condition shows that the condition is back to normal. In other words, the system will only send a second notification if the system determines based on a second measurement that the condition is still present. Furthermore, Manahan was used in a general sense of a system that sends a notification when a condition is detected. Therefore, Manahan and the other prior art used in the prior art are in the same field of endeavor of systems transmitting notifications when a condition is abnormal, and one of

ordinary skill in the art would have combined the references used in the rejection. For the reasons provided above, the applicant's arguments are not persuasive.

Objections

3. Claim(s) 7, 9 and 14 is/are objected to because of the following informalities:

In regards to claim 7, the claim recites in lines 1-2 "wherein accepting the invitation programmatically establishes". A comma is missing after the word invitation. For this reason, the claim is objected. Appropriate correction is required.

In regards to claim 9, the claim recites in line 1 "wherein at least one rule is". The limitation of at least one rule was already defined in claim 8. Therefore, line 1 of claim 9 should recite "wherein the at least one rule is". For this reason, the claim is objected. Appropriate correction is required.

In regards to claim 14, the claim has the same issues described for claim 7 above. Therefore, the claim is objected. Appropriate correction is required.

Double Patenting Rejections

4. As stated in the previous action, claims 1-4, 6, 8-11 and 13-14 are rejected on the ground of non-statutory double patenting as being unpatentable over claims 1-5 and 16-21 of US Patent 9,585,563.

Claim Rejections - 35 USC § 112

The following is a quotation of 35 U.S.C. 112(b):

> (b) CONCLUSION.—The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the inventor or a joint inventor regards as the invention.

The following is a quotation of 35 U.S.C. 112 (pre-AIA), second paragraph:

> The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

5. Claim 8-11, 13-14 and 16 is/are rejected under 35 U.S.C. 112(b) or 35 U.S.C. 112 (pre-AIA), second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which the inventor or a joint inventor (or for applications subject to pre-AIA 35 U.S.C. 112, the applicant), regards as the invention.

In regards to claim 8, the claim recites in line 10 “and the remote monitor, wherein the set of one or more rules are provided”. The word “the” in front of the limitation(s) “remote monitor” and “set of one or more rules” means that the limitation(s) was/were previously defined. However, the limitation(s) was/were not previously defined. For this reason, the limitation(s) lack of antecedent basis and the claim is indefinite. The examiner has interpreted lines 8-10 of the claim in the following way in

order to advance prosecution: "identify, by the apparatus, a set of one or more rules that define conditions for communications between the secure server and the ~~remote monitor~~ apparatus, wherein the set of one or more rules are provided to the ~~remote monitor~~ apparatus by the secure server".

In regards to claims 9-11, 13-14 and 16, the claims are indefinite due to their dependency on indefinite claim 8.

In regards to claims 11 and 13, the claims recite the limitation of in line 10 "the remote monitor". The word "the" in front of the limitation(s) "remote monitor" means that the limitation(s) was/were previously defined. However, the limitation(s) was/were not previously defined. For this reason, the limitation(s) lack of antecedent basis and the claim is indefinite. The examiner has interpreted the limitation of "the remote monitor" in claims 11 and 13 as "the apparatus" in order to advance prosecution.

Claim Rejections - 35 USC § 103

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

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

6. Claim(s) 1-3, 8-10, 15 and 16 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Robertson et al. (US-2013/0117696) in view of Goodnow, et al. (US-2006/0010098), Killen et al (US-2012/0136221), Valdes et al. (US-2012/0108934), Carnes (US-8,912,897) and Manahan et al. (US-8,821,622).

In regards to claim 1, Robertson teaches a method comprising the step of receiving, at a remote monitor, an invitation to access a secure server and data associated with a receiver monitoring physiological state of a host [fig. 1 elements 108 (receiver) and 122 (secure server), fig. 8 (remote monitor accessing data), fig. 31 (invitation), par. 0101 L. 1-14, par. 0106 L. 18-25]. Furthermore, Robertson teaches that the method comprises the step of providing, from the remote monitor to the secure server, an acceptance to the invitation [par. 0106 L. 24-31].

Robertson does not teach that the method comprises a step of identifying, by the remote monitor, a set of one or more rules provided that define conditions for communication between the secure server and the remote monitor. Robertson does not teach that the method comprises a step of modifying, by the remote monitor, at least one rule of the set of one or more rules.

On the other hand, Goodnow teaches that a host can set up, using a host device, one or more target values for glucose measurements of the host (a set of one or more rules), and that a remote monitoring device, which was invited by the host and is authorized to receive the host's data from a server, can modify the target values [par. 0218 L. 3-10, par. 0235, par. 0238, par. 0409]. Goodnow's teachings means that the method comprises a step of identifying, by the remote monitor, a set of one or more

rules, wherein the set of one or more rules are provided to the remote monitor by the secure server and associated with the data associated with the receiver, in order to be able to modify the set of one or more rules, and the teachings also mean that the set of one or more rules are generated according to one or more preferences or settings from a host device. Furthermore, Goodnow teaches that the method comprises the step of modifying, by the remote monitor, at least one rule of the set of one or more rules [par. 0409].

It would have been obvious to one of ordinary skill in the art, at the time of the invention, to use Goodnow's teachings of setting up rules using a host device and permitting a remote monitor device to modify those rules in the method taught by Robertson because it will permit the caregiver, which may have more knowledge about the proper target values for the host, to adjust the rules according to the host's needs.

The combination of Robertson and Goodnow teaches that the method comprises the step of modifying, by the remote monitor, at least one rule of the set of one or more rules wherein the set of one or more rules include rules that detect abnormal events regarding analyte state of the host [see Goodnow par. 0238, par. 0409]. However, the combination does not teach that set of one or more rules define conditions for communications between the secure server and the remote monitor, and that an alert is generated when the abnormal event is detected using the at least one rule.

On the other hand, Killen teaches accessing data about a physiological state of a host in a secure server by a remote monitor [fig. 1 element 8]. Killen further teaches that physiological data that is monitored can be glucose (analyte state of a host) [par. 0184 L. 7-10]. Killen further teaches that the rules used to detect abnormal events and

modified by the remote monitor can be used by the server to generate alerts for the remote monitor based on the received analyte measurements of the host [fig. A72, par. 0143 L. 4-10, par. 0154]. This teaching means that the set one or more rules are used to define conditions for communications between the server and the remote monitor and that the set of one or more rules includes a first rule defining an alert representative of an event associated with the analyte state of the host, the event being determined by the secure server based on a first measurement of the data associated with the receiver regarding the state of the host at a first time, wherein the alert, when triggered at the first time, causes an alert message to be sent to the remote monitor from the secure server to notify the remote monitor of the event [fig. A72, par. 0143 L. 4-10, par. 0154].

It would have been obvious to one of ordinary skill in the art, at the time of the invention, to use Killen's teachings of modifying rules to generate alerts about the monitored parameter in the method taught by the combination because it will permit the remote monitoring device to monitor other physiological data such as blood glucose and receive notifications when an abnormal condition is detected by the server.

The combination of Robertson, Goodnow and Killen does not teach that the analyte data is monitored by a receiver.

On the other hand, Valdes teaches that the analyte data can be also monitored by the receiver which will then transmit the data to the server [fig. 1, par. 0089].

It would have been obvious to one of ordinary skill in the art, at the time of the invention, to use Valdes's teachings of using a receiver to transmit the data to the server in the method taught by the combination because it will permit the system monitor the analyte state of a host continuously.

The combination of Robertson, Goodnow, Killen and Valdes teaches that a user can use the remote monitor to modify alert rules [see Goodnow par. 0409, see Killen fig. A72, par. 0143 L. 4-10, par. 0154]. However, the combination does not teach that the set of one or more rules includes second rule defining a time value of when a reminder message is sent to the remote monitor.

On the other hand, Carnes teaches that the set of one or more rules, which can be modified by the user, can include a second rule defining a varying time value as to when a reminder message is sent to the remote monitor [col. 9 L. 9-13]. Carnes further teaches that the reminder message is only sent if the alert message has not been previously acknowledged [col. 9 L. 9-13].

It would have been obvious to one of ordinary skill in the art, at the time of the invention, to use Carnes's teachings of setting a time to send a reminder message in the method taught by the combination because it will permit the user of the remote monitor to configure the time a reminder message is sent and to prevent that alerts are left unattended.

The combination of Robertson, Goodnow, Killen, Valdes and Carnes does not teach that the reminder message is sent only if the event associated with monitored condition has not changed after the alert message was sent.

On the other hand, Manahan teaches that a system, monitoring measurements of a sensor, can send a notification of an event to a user device based on a first measurement taken at a first time by the sensor [col. 13 L. 33-37, col. 14 L. 6-14 and L. 31-40]. Furthermore, Manahan teaches that the notification of the event is transmitted again until the parameter sensed by the sensor returns to a normal level [col. 23 L. 23-

26]. The aforementioned teaching means that the system continues to receive measurements at a second time and will transmit the notification again (reminder) only if the sensed parameter has not changed, based on the second measurement of the data at the second time, after the alert message was sent.

It would have been obvious to one of ordinary skill in the art, at the time of the invention, to use Manahan's teachings of transmitting alert (reminder) until the second measurement is back to normal in the method taught by the combination because it will permit the system to remind the remote monitoring device that an alert condition exist, which in this case is associated with the analyte state of the host, and to know when the state of the host has returned to normal.

In regards to claims 2 and 3, the combination of Robertson, Goodnow, Killen, Valdes, Carnes and Manahan, as applied in claim 1 above, further teaches that the at least one rule is the first rule, that modifying the first rule comprises varying a first and a second threshold values associated with the monitored physiological parameter, and that the event determined by the secure server is based on the firs measurement indication that the monitored parameter is lower than the first threshold or higher than the second threshold [see Goodnow par. 0238, par. 0409, see Killen fig. A72, par. 0143 L. 4-10, par. 0154]. Furthermore, the combination teaches that when glucose is being monitored the threshold values can be associated with low level of glucose of the host and a high level glucose of the host [see Goodnow par. 0238, see Valdes par. 0048].

In regards to claim 8, the combination of Robertson, Goodnow, Killen, Valdes, Carnes and Manahan, as shown in claim 1 above, teaches the claimed limitations. The combination further teaches that the remote monitor further comprises at least one processor; and at least one memory including code, which when executed by the at least one processor causes the apparatus to perform the method [see Robertson par. 0008 L. 6-7, par. 0102 L. 1-3, par. 0106 L. 24-25, par. 0147, par. 0155 L. 1-5, see Killen fig. 2].

In regards to claims 9 and 10, the combination of Robertson, Goodnow, Killen, Valdes, Carnes and Manahan, as shown in claims 2 and 3 above, teaches the claimed limitations.

In regards to claim 15, the combination of Robertson, Goodnow, Killen, Valdes, Carnes and Manahan, as applied in claims 1 and 8 above, further teaches that the at least one rules is the second rule and that the user of the remote monitor can accept the invitation and also modify the second rule varying the time value [see Robertson par. 0106 L. 24-25, see Carnes col. 9 L. 6-13]. The combination does not teach that the user accepts the invitation after modifying the second rule varying the time value. However, one of ordinary skill in the art would have modified the method taught by the combination so the user can modify the claimed rule before accepting the invitation because this will permit the user to set up the rules and send them together with the acceptance of the invitation in a single message.

In regards to claim 16, the combination of Robertson, Goodnow, Killen, Valdes, Carnes and Manahan, as shown in claim 15 above, teaches the claimed limitations.

7. Claim(s) 4 and 11 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Robertson et al. (US-2013/0117696) in view of Goodnow, et al. (US-2006/0010098), Killen et al (US-2012/0136221), Valdes et al. (US-2012/0108934), Carnes (US-8,912,897) and Manahan et al. (US-8,821,622) as applied to claims 1 and 8 above, and further in view of Hastings (US-2005/0148890).

In regards to claim 4, the combination of Robertson, Goodnow, Killen, Valdes, Carnes and Manahan, as applied in claim 1 above , teaches that a notification message can be sent to the receiver and the alert message can be sent to the remote monitor [see Robertson fig. 4 (alert message) fig. 106 (notification), par. 0096 L. 1-6, par. 0223 L. 1-4]. However, the combination does not teach that the set one or more rules comprises a third rule defining a delay between when the message is sent to the receiver and a notification message is sent to the remote monitor, and that the third rule can be modified.

On the other hand, Hastings teaches a method to receive alerts at a remote monitor where the user of the remote monitor can select the time when the alert is received at the remote monitor [par. 0178 L. 1-4, par. 0179 L. 12-14]. This means that the set of one or more rules comprises a third rule defining a delay between when a notification message is sent to the receiver and an alert message is sent to the

remote monitor because the user of the remote monitor can decide when to receive the alert message, and that the third rule can be modify by varying the delay.

It would have been obvious to one of ordinary skill in the art, at the time of the invention, to use Hastings' teachings of letting the user to select the time when the notification is sent in the method taught by the combination because it will permit the user of the remote monitor device to decide when to receive the notification.

In regards to claim 11, the combination of Robertson, Goodnow, Killen, Valdes, Carnes, Manahan and Hastings, as shown in claim 4 above, teaches the claimed limitations.

8. Claim(s) 6 and 13 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Robertson et al. (US-2013/0117696) in view of Goodnow, et al. (US-2006/0010098), Killen et al (US-2012/0136221), Valdes et al. (US-2012/0108934), Carnes (US-8,912,897) and Manahan et al. (US-8,821,622) as applied to claims 1 and 8 above, and further in view of Thomas et al. (US-2013/0173742).

In regards to claim 6, the combination of Robertson, Goodnow, Killen, Valdes, Carnes and Manahan, as applied in claim 1 above, teaches that a host can authorize a user to modify notification rule settings [see Goodnow par, 0235, par. 0409]. This means that the host device can configure notification rule settings (set of recommended rule settings) and later authorize a remote monitor to modify and/or accept those rules.

However, the combination does not teach that the invitation is associated with a set of recommended settings that can be modified by the remote monitor.

The combination of Robertson, Goodnow, Killen, Valdes, Carnes and Manahan does not teach that the set of recommended settings are included with the invitation.

On the other hand, Thomas teaches the concept that when the host device in a system invites another user, the invitation will include settings established by the host device and that the invitee can accept or modify [par. 0088 L. 1-5, par. 0091 L. 1-5, par. 0092 L. 15-21].

It would have been obvious to one of ordinary skill in the art, at the time of the invention, to use Thomas' teachings of including the rules with the invitation in the method taught by the combination because it will permit the system to send the rule settings and the invitation in a single message and reduce traffic in the system.

In regards to claim 13, the combination of Robertson, Goodnow, Killen, Valdes, Carnes, Manahan and Thomas, as shown in claim 6 above, teaches the claimed limitations.

9. Claim(s) 7 and 14 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Robertson et al. (US-2013/0117696) in view of Goodnow, et al. (US-2006/0010098), Killen et al (US-2012/0136221), Valdes et al. (US-2012/0108934), Carnes (US-8,912,897) and Manahan et al. (US-8,821,622) as applied to claims 1 and 8 above, and further in view of Daoud et al. (US-2013/0159456)

In regards to claim 7, the combination of Robertson, Goodnow, Killen, Valdes, Carnes and Manahan, as applied in claim 1 above, teaches that the user of the remote device can accept the invitation [see Robertson par. 0106 L. 24-25]. However, the combination does not explicitly state that an account is created when accepting the invitation.

On the other hand, Daoud teaches that accepting the invitation programmatically establishes an account associated with the remote monitor at the server [fig. 24 element 2404, par. 0038 L. 8-15, par. 0081 L. 29-36].

It would have been obvious to one of ordinary skill in the art, at the time of the invention, to use Daoud' teachings of creating an account when the invitation is accepted in the method taught by the combination because it will permit the user of the remote device to create an account when an invitation is received for the first time in order the user can access the data at the server securely whenever the user desires.

In regards to claim 14, the combination of Robertson, Goodnow, Killen, Valdes, Carnes, Manahan and Daoud, as shown in claim 7 above, teaches the claimed limitations.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to FRANKLIN D BALSECA whose telephone number is (571)270-5966. The examiner can normally be reached on 6AM-4PM EST M-F.

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, Hai Phan can be reached on (571) 272-6338.

Information regarding the status of an application may be obtained from the Patent Application Retrieval (PAIR) system. Status information for published applications may be obtained from either 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. If you have questions on how to access to 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 US OR CANADA) or (571)272-1000.

/FRANKLIN D BALSECA/
Examiner, Art Unit 2685

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15/617,977	Mensinger et al.
	Examiner	Art Unit
	FRANKLIN D BALSECA	2685

CPC - Searched*		
Symbol	**Date**	**Examiner**
A61B5/0002,0004,0022,145,14532,7264,7282,742,743,746,0015,0024,02,7435,7465	12/04/2017	FB
G06F19/3418,30,32,34,3406,3487	12/04/2017	FB
H04L67/12	12/04/2017	FB
H04Q9/00	12/04/2017	FB
H04Q2209/00,10,40,50,82,823,826	12/04/2017	FB
Updated Search	06/21/2018	FB
Updated Search	11/19/2018	FB
Updated Search	08/06/2019	FB
G16H40/67,20,63	08/06/2019	FB
G16H20/00,40	08/06/2019	FB
G16H15/00	08/06/2019	FB
G16H50/70,20	08/06/2019	FB
H04Q2209/70	08/06/2019	FB
Updated Search	01/09/2020	FB
Updated Search	06/08/2020	FB
Updated Search	09/17/2020	FB

CPC Combination Sets - Searched*		
Symbol	**Date**	**Examiner**

US Classification - Searched*			
Class	**Subclass**	**Date**	**Examiner**

/FRANKLIN D BALSECA/ Examiner, Art Unit 2685	

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	15/617,977	Mensinger et al.
	Examiner	Art Unit
	FRANKLIN D BALSECA	2685

* 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**
Inventor Search	12/04/2017	FB
East Search	12/04/2017	FB
A61B5/ 0002,0004,0022,145,14532,7264,7282,742,743,746,0015,0024,02,7435,7465 and text limited. See search history printout.	12/04/2017	FB
G06F19/3418,30,32,34,3406,3487 and text limited. See search history printout.	12/04/2017	FB
H04L67/12 and text limited. See search history printout.	12/04/2017	FB
H04Q9/00 and text limited. See search history printout.	12/04/2017	FB
H04Q2209/00,10,40,50,82,823,826 and text limited. See search history printout.	12/04/2017	FB
Updated East and text limited class search	06/21/2018	FB
Updated East and text limited class search	11/19/2018	FB
Updated East and text limited class search	08/06/2019	FB
G16H40/67,20,63 and text limited. See search history printout.	08/06/2019	FB
G16H20/40 and text limited. See search history printout.	08/06/2019	FB
G16H15/00 and text limited. See search history printout.	08/06/2019	FB
G16H50/70,20 and text limited. See search history printout.	08/06/2019	FB
H04Q2209/70 and text limited. See search history printout.	08/06/2019	FB
Updated Inventor Search	01/09/2020	FB
Updated East and text limited class search	01/09/2020	FB
Updated East and text limited class search	06/08/2020	FB
Updated East and text limited class search	09/17/2020	FB

/FRANKLIN D BALSECA/ Examiner, Art Unit 2685	

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	15/617,977	Mensinger et al.
	Examiner	Art Unit
	FRANKLIN D BALSECA	2685

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

/FRANKLIN D BALSECA/ Examiner, Art Unit 2685	

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15/617,977	Mensinger et al.
	Examiner	Art Unit
	FRANKLIN D BALSECA	2685

✓	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	12/04/2017	06/22/2018	11/19/2018	08/06/2019	01/09/2020	06/08/2020	09/17/2020		
	1	✓	✓	✓	✓	✓	✓	✓		
	2	✓	✓	✓	✓	✓	✓	✓		
	3	✓	✓	✓	✓	✓	✓	✓		
	4	✓	✓	✓	✓	✓	✓	✓		
	5	✓	-	-	-	-	-	-		
	6	✓	✓	✓	✓	✓	✓	✓		
	7	✓	✓	✓	✓	✓	✓	✓		
	8	✓	✓	✓	✓	✓	✓	✓		
	9	✓	✓	✓	✓	✓	✓	✓		
	10	✓	✓	✓	✓	✓	✓	✓		
	11	✓	✓	✓	✓	✓	✓	✓		
	12	✓	-	-	-	-	-	-		
	13	✓	✓	✓	✓	✓	✓	✓		
	14	✓	✓	✓	✓	✓	✓	✓		
	15		✓	✓	✓	✓	✓	✓		
	16		✓	✓	✓	✓	✓	✓		

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
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S17	17,938	G16H15/00.cpc.	US-PGPUB;	OR	ON	2020/09/16 14:11

			USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S18	56,050	G16H50/70,20.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/09/16 14:12
S19	376,711	S10 or S11 or S12 or S13 or S14 or S15 or S16 or S17 or S18	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/09/16 14:13
S20	188	S19 and (((patient or user) near3 (set$4 or input$4) near3 (threshold or rules or limits)) same2 ((alarm or notification or alert) near3 (doctor or caregiver or physician or nurse)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/09/16 14:21
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S30	97	S29 and @ay<="2012"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/09/16 15:06
S31	3	(transmit$4 near3 (alert or alarm) near3 again) same ((value or measurement or state or status) near5 (normal))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/09/16 15:10
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EAST Search History (Interference)

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Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 31

Complete if Known	
Application Number	15617977
Filing Date	06-08-2017
First Named Inventor	MENSINGER; Michael Robert.
Art Unit	2685
Examiner Name	BALSECA, Franklin D.
Attorney Docket Number	225USC9 / DEXCOM.225C3

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	001	US-612939	10-25-1898	WILLSON JR.; Freeman R.	
	002	US-4757022	07-12-1988	SHULTS; Mark C. et al.	
	003	US-4994167	02-19-1991	SHULTS; Mark G. et al.	
	004	US-6001067	12-14-1999	SHULTS; Mark C. et al.	
	005	US-6234964	05-22-2001	ILIFF; Edwin C.	
	006	US-6424847	07-23-2002	MASTROTOTARO; John J. et al.	
	007	US-6447424	09-10-2002	ASHBY; Darren C. et al.	
	008	US-6477395	11-05-2002	SCHULMAN; Joseph H. et al.	
	009	US-6484046	11-19-2002	SAY; James. et al.	
	010	US-6558321	05-06-2003	BURD; John F. et al.	
	011	US-6564104	05-13-2003	NELSON; Chester G. et al.	
	012	US-6565509	05-20-2003	SAY; James. et al.	
	013	US-6579690	06-17-2003	BONNECAZE; Roger T. et al.	
	014	US-6585644	07-01-2003	LEBEL; Ronald J. et al.	
	015	US-6645142	11-11-2003	BRAIG; James R. et al.	
	016	US-6702857	03-09-2004	BRAUKER; James H. et al.	
	017	US-6741877	05-25-2004	SHULTS; Mark C. et al.	
	018	US-6862465	03-01-2005	SHULTS; Mark C. et al.	
	019	US-6931327	08-16-2005	GOODE JR.; Paul V. et al.	
	020	US-6950708	09-27-2005	BOWMAN IV; Sam W. et al.	

Examiner Signature		Date Considered	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of 31

Complete if Known	
Application Number	15617977
Filing Date	06-08-2017
First Named Inventor	MENSINGER; Michael Robert.
Art Unit	2685
Examiner Name	BALSECA, Franklin D.
Attorney Docket Number	225USC9 / DEXCOM.225C3

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	021	US-6958705	10-25-2005	LEBEL; Ronald J. et al.	
	022	US-7074307	07-11-2006	SIMPSON; Peter C. et al.	
	023	US-7081195	07-25-2006	SIMPSON; Peter. et al.	
	024	US-7108778	09-19-2006	SIMPSON; Peter C. et al.	
	025	US-7110803	09-19-2006	SHULTS; Mark C. et al.	
	026	US-7134999	11-14-2006	BRAUKER; James H. et al.	
	027	US-7136689	11-14-2006	SHULTS; Mark C. et al.	
	028	US-7171274	01-30-2007	STARKWEATHER; Timothy J. et al.	
	029	US-7192450	03-20-2007	BRAUKER; James H. et al.	
	030	US-7219303	05-15-2007	FISH; Edmund J.	
	031	US-7226978	06-05-2007	TAPSAK; Mark A. et al.	
	032	US-7256708	08-14-2007	ROSENFELD; Brian. et al.	
	033	US-7276029	10-02-2007	GOODE JR.; Paul V. et al.	
	034	US-7301451	11-27-2007	HASTINGS; David C.	
	035	US-7310544	12-18-2007	BRISTER; Mark. et al.	
	036	US-7364592	04-29-2008	CARR-BRENDEL; Victoria. et al.	
	037	US-7366556	04-29-2008	BRISTER; Mark. et al.	
	038	US-7379765	05-27-2008	PETISCE; James. et al.	
	039	US-7424318	09-09-2008	BRISTER; Mark. et al.	
	040	US-7460898	12-02-2008	BRISTER; Mark. et al.	
	041	US-7467003	12-16-2008	BRISTER; Mark. et al.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 3 of 31

Complete if Known	
Application Number	15617977
Filing Date	06-08-2017
First Named Inventor	MENSINGER; Michael Robert.
Art Unit	2685
Examiner Name	BALSECA, Franklin D.
Attorney Docket Number	225USC9 / DEXCOM.225C3

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	042	US-7471972	12-30-2008	RHODES; Rathbun. et al.	
	043	US-7494465	02-24-2009	BRISTER; Mark. et al.	
	044	US-7497827	03-03-2009	BRISTER; Mark. et al.	
	045	US-7519408	04-14-2009	RASDAL; Andrew. et al.	
	046	US-7519430	04-14-2009	VON ARX; Jeffrey A. et al.	
	047	US-7565197	07-21-2009	HAUBRICH; Gregory J. et al.	
	048	US-7583990	09-01-2009	GOODE JR.; Paul V. et al.	
	049	US-7591801	09-22-2009	BRAUKER; James H. et al.	
	050	US-7599726	10-06-2009	GOODE JR.; Paul V. et al.	
	051	US-7613491	11-03-2009	BOOCK; Robert. et al.	
	052	US-7615007	11-10-2009	SHULTS; Mark. et al.	
	053	US-7632228	12-15-2009	BRAUKER; James H. et al.	
	054	US-7637868	12-29-2009	SAINT; Sean. et al.	
	055	US-7640048	12-29-2009	DOBBLES; J. Michael. et al.	
	056	US-7643798	01-05-2010	LJUNG; Peter.	
	057	US-7651596	01-26-2010	PETISCE; James R. et al.	
	058	US-7654956	02-02-2010	BRISTER; Mark. et al.	
	059	US-7657297	02-02-2010	SIMPSON; Peter C. et al.	
	060	US-7711402	05-04-2010	SHULTS; Mark C. et al.	
	061	US-7713574	05-11-2010	BRISTER; Mark. et al.	
	062	US-7715893	05-11-2010	KAMATH; Apurv Ullas. et al.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 4 of 31

Complete if Known	
Application Number	15617977
Filing Date	06-08-2017
First Named Inventor	MENSINGER; Michael Robert.
Art Unit	2685
Examiner Name	BALSECA, Franklin D.
Attorney Docket Number	225USC9 / DEXCOM.225C3

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	063	US-7761130	07-20-2010	SIMPSON; Peter C. et al.	
	064	US-7771352	08-10-2010	SHULTS; Mark C. et al.	
	065	US-7774145	08-10-2010	BRAUKER; James H. et al.	
	066	US-7775975	08-17-2010	BRISTER; Mark. et al.	
	067	US-7778680	08-17-2010	GOODE JR.; Paul V. et al.	
	068	US-7783333	08-24-2010	BRISTER; Mark. et al.	
	069	US-7792562	09-07-2010	SHULTS; Mark C. et al.	
	070	US-7797028	09-14-2010	GOODE JR.; Paul V. et al.	
	071	US-7826981	11-02-2010	GOODE JR.; Paul V. et al.	
	072	US-7828728	11-09-2010	BOOCK; Robert. et al.	
	073	US-7831287	11-09-2010	BRISTER; Mark. et al.	
	074	US-7835777	11-16-2010	SHULTS; Mark C. et al.	
	075	US-7857760	12-28-2010	BRISTER; Mark. et al.	
	076	US-7860545	12-28-2010	SHULTS; Mark C. et al.	
	077	US-7875293	01-25-2011	SHULTS; Mark. et al.	
	078	US-7881763	02-01-2011	BRAUKER; James H. et al.	
	079	US-7885697	02-08-2011	BRISTER; Mark. et al.	
	080	US-7896809	03-01-2011	SIMPSON; Peter C. et al.	
	081	US-7899511	03-01-2011	SHULTS; Mark C. et al.	
	082	US-7901354	03-08-2011	SHULTS; Mark C. et al.	
	083	US-7905833	03-15-2011	BRISTER; Mark. et al.	
	084	US-7914450	03-29-2011	GOODE JR.; Paul V. et al.	

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Sheet 5 of 31

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Application Number	15617977
Filing Date	06-08-2017
First Named Inventor	MENSINGER; Michael Robert.
Art Unit	2685
Examiner Name	BALSECA, Franklin D.
Attorney Docket Number	225USC9 / DEXCOM.225C3

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	085	US-7917186	03-29-2011	KAMATH; Apurv Ullas. et al.	
	086	US-7920906	04-05-2011	GOODE JR.; Paul V. et al.	
	087	US-7925321	04-12-2011	GOODE; Paul V. et al.	
	088	US-7927274	04-19-2011	RASDAL; Andrew. et al.	
	089	US-7933639	04-26-2011	GOODE; Paul V. et al.	
	090	US-7935057	05-03-2011	GOODE JR.; Paul V. et al.	
	091	US-7946984	05-24-2011	BRISTER; Mark. et al.	
	092	US-7949381	05-24-2011	BRISTER; Mark. et al.	
	093	US-7955261	06-07-2011	GOODE; Paul V. et al.	
	094	US-7959569	06-14-2011	GOODE; Paul V. et al.	
	095	US-7970448	06-28-2011	SHULTS; Mark C. et al.	
	096	US-7974672	07-05-2011	SHULTS; Mark C. et al.	
	097	US-7976492	07-12-2011	BRAUKER; James H. et al.	
	098	US-7979104	07-12-2011	KAMATH; Apurv U. et al.	
	099	US-7986986	07-26-2011	GOODE; Paul V. et al.	
	100	US-7998071	08-16-2011	GOODE JR.; Paul V. et al.	
	101	US-8000901	08-16-2011	BRAUKER; James H. et al.	
	102	US-8005524	08-23-2011	BRAUKER; James H. et al.	
	103	US-8005525	08-23-2011	GOODE JR.; Paul V. et al.	
	104	US-8010174	08-30-2011	GOODE JR.; Paul V. et al.	
	105	US-8050731	11-01-2011	TAPSAK; Mark A. et al.	
	106	US-8052601	11-08-2011	GOODE JR.; Paul V. et al.	

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Sheet 6 of 31

Complete if Known	
Application Number	15617977
Filing Date	06-08-2017
First Named Inventor	MENSINGER; Michael Robert.
Art Unit	2685
Examiner Name	BALSECA, Franklin D.
Attorney Docket Number	225USC9 / DEXCOM.225C3

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	107	US-8053018	11-08-2011	TAPSAK; Mark A. et al.	
	108	US-8060173	11-15-2011	GOODE JR.; Paul V. et al.	
	109	US-8060174	11-15-2011	SIMPSON; Peter C. et al.	
	110	US-8064977	11-22-2011	BOOCK; Robert. et al.	
	111	US-8073008	12-06-2011	MEHTA; Kaezad J. et al.	
	112	US-8073519	12-06-2011	GOODE JR.; Paul V. et al.	
	113	US-8073520	12-06-2011	KAMATH; Apurv U. et al.	
	114	US-8095692	01-10-2012	MEHTA; Kaezad J. et al.	
	115	US-8112240	02-07-2012	FENNELL; Martin J.	
	116	US-8118877	02-21-2012	BRAUKER; James H. et al.	
	117	US-8121857	02-21-2012	GALASSO; John R. et al.	
	118	US-8128562	03-06-2012	GOODE JR.; Paul V. et al.	
	119	US-8131566	03-06-2012	DICKS; Kent E. et al.	
	120	US-8133178	03-13-2012	BRAUKER; James H. et al.	
	121	US-8150488	04-03-2012	GOODE JR.; Paul V. et al.	
	122	US-8155723	04-10-2012	SHULTS; Mark C. et al.	
	123	US-8160669	04-17-2012	BRAUKER; James H. et al.	
	124	US-8160671	04-17-2012	KAMATH; Apurv Ullas. et al.	
	125	US-8167801	05-01-2012	GOODE JR.; Paul V. et al.	
	126	US-8170803	05-01-2012	KAMATH; Apurv Ullas. et al.	
	127	US-8180591	05-15-2012	YUEN; Shelten Gee Jao. et al.	

Examiner Signature		Date Considered	

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Complete if Known	
Application Number	15617977
Filing Date	06-08-2017
First Named Inventor	MENSINGER; Michael Robert.
Art Unit	2685
Examiner Name	BALSECA, Franklin D.
Attorney Docket Number	225USC9 / DEXCOM.225C3

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	128	US-8195265	06-05-2012	GOODE JR.; Paul V. et al.	
	129	US-8206297	06-26-2012	KAMATH; Apurv Ullas. et al.	
	130	US-8208973	06-26-2012	MEHTA; Kaezad J.	
	131	US-8216139	07-10-2012	BRAUKER; James H. et al.	
	132	US-8229534	07-24-2012	BRISTER; Mark. et al.	
	133	US-8229536	07-24-2012	GOODE JR.; Paul V. et al.	
	134	US-8231531	07-31-2012	BRISTER; Mark. et al.	
	135	US-8233958	07-31-2012	BRAUKER; James H. et al.	
	136	US-8233959	07-31-2012	KAMATH; Apurv. et al.	
	137	US-8249684	08-21-2012	KAMATH; Apurv Ullas. et al.	
	138	US-8251906	08-28-2012	BRAUKER; James H. et al.	
	139	US-8255030	08-28-2012	PETISCE; James. et al.	
	140	US-8255032	08-28-2012	PETISCE; James R. et al.	
	141	US-8255033	08-28-2012	PETISCE; James. et al.	
	142	US-8257259	09-04-2012	BRAUKER; James H. et al.	
	143	US-8260393	09-04-2012	KAMATH; Apurv Ullas. et al.	
	144	US-8265725	09-11-2012	BRAUKER; James H. et al.	
	145	US-8275437	09-25-2012	BRAUKER; James H. et al.	
	146	US-8275438	09-25-2012	SIMPSON; Peter C. et al.	
	147	US-8277713	10-02-2012	PETISCE; James R. et al.	
	148	US-8280475	10-02-2012	BRISTER; Mark. et al.	
	149	US-8282549	10-09-2012	BRAUKER; James H. et al.	

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Sheet 8 of 31

Complete if Known	
Application Number	15617977
Filing Date	06-08-2017
First Named Inventor	MENSINGER; Michael Robert.
Art Unit	2685
Examiner Name	BALSECA, Franklin D.
Attorney Docket Number	225USC9 / DEXCOM.225C3

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	150	US-8282550	10-09-2012	RASDAL; Andrew P. et al.	
	151	US-8285354	10-09-2012	GOODE; Paul V. et al.	
	152	US-8287453	10-16-2012	LI; Ying. et al.	
	153	US-8290559	10-16-2012	SHARIATI; Mohammad Ali. et al.	
	154	US-8290560	10-16-2012	KAMATH; Apurv Ullas. et al.	
	155	US-8290561	10-16-2012	BRAUKER; James H. et al.	
	156	US-8290562	10-16-2012	GOODE JR.; Paul V. et al.	
	157	US-8292810	10-23-2012	GOODE JR.; Paul V. et al.	
	158	US-8298142	10-30-2012	SIMPSON; Peter C. et al.	
	159	US-8311749	11-13-2012	BRAUKER; James H. et al.	
	160	US-8313434	11-20-2012	BRISTER; Mark. et al.	
	161	US-8321149	11-27-2012	BRAUKER; James H. et al.	
	162	US-8323189	12-04-2012	TRAN; Bao. et al.	
	163	US-8332008	12-11-2012	GOODE; Paul V. et al.	
	164	US-8346338	01-01-2013	GOODE JR.; Paul V. et al.	
	165	US-8364229	01-29-2013	SIMPSON; Peter C. et al.	
	166	US-8369919	02-05-2013	KAMATH; Apurv Ullas. et al.	
	167	US-8374667	02-12-2013	BRAUKER; James H. et al.	
	168	US-8386004	02-26-2013	KAMATH; Apurv Ullas. et al.	
	169	US-8394021	03-12-2013	GOODE; Paul V. et al.	
	170	US-8412185	04-02-2013	CADER; Muhammad Abdul. et al.	

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Sheet 9 of 31

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Application Number	15617977
Filing Date	06-08-2017
First Named Inventor	MENSINGER; Michael Robert.
Art Unit	2685
Examiner Name	BALSECA, Franklin D.
Attorney Docket Number	225USC9 / DEXCOM.225C3

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	171	US-8432260	04-30-2013	TALTY; Timothy J. et al.	
	172	US-8527025	09-03-2013	SHULTS; Mark C. et al.	
	173	US-8549600	10-01-2013	SHEDRINSKY; Felix.	
	174	US-8638397	01-28-2014	UENO; Masatoshi. et al.	
	175	US-8704656	04-22-2014	ABEDI; Saied.	
	176	US-8784271	07-22-2014	BRUMBACK; Christine Boomer. et al.	
	177	US-8789156	07-22-2014	FISK; Frank C. et al.	
	178	US-8926509	01-06-2015	MAGAR; Surendar. et al.	
	179	US-8968198	03-03-2015	BRAUKER; James H. et al.	
	180	US-9011332	04-21-2015	HELLER; Adam. et al.	
	181	US-9028410	05-12-2015	SAN VICENTE; Kenneth. et al.	
	182	US-9035744	05-19-2015	WANISS; Amgad Mofied.	
	183	US-9232916	01-12-2016	MAO; Fei. et al.	
	184	US-9363337	06-07-2016	CHOR; Jesse.	
	185	US-9445445	09-13-2016	MILLER; Thomas. et al.	
	186	US-9451910	09-27-2016	BRISTER; Mark. et al.	
	187	US-9503526	11-22-2016	DAOUD; Saleem. et al.	
	188	US-9532737	01-03-2017	KARAN; Jai. et al.	
	189	US-9579053	02-28-2017	BRISTER; Mark. et al.	
	190	US-9655518	05-23-2017	LIN; Dongping.	
	191	US-9662438	05-30-2017	KAMEN; Dean. et al.	

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Complete if Known	
Application Number	15617977
Filing Date	06-08-2017
First Named Inventor	MENSINGER; Michael Robert.
Art Unit	2685
Examiner Name	BALSECA, Franklin D.
Attorney Docket Number	225USC9 / DEXCOM.225C3

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	192	US-9668682	06-06-2017	BRISTER; Mark C. et al.	
	193	US-9681807	06-20-2017	MILLER; Thomas. et al.	
	194	US-9724028	08-08-2017	BRAUKER; James H. et al.	
	195	US-9730620	08-15-2017	COHEN; Eric. et al.	
	196	US-9730621	08-15-2017	COHEN; Eric. et al.	
	197	US-9788354	10-10-2017	MILLER; Thomas. et al.	
	198	US-9788766	10-17-2017	SIMPSON; Peter C. et al.	
	199	US-9801541	10-31-2017	MENSINGER; Michael Robert. et al.	
	200	US-9839353	12-12-2017	MENSINGER; Michael Robert. et al.	
	201	US-9854972	01-02-2018	MENSINGER; Michael Robert. et al.	
	202	US-9931036	04-03-2018	MILLER; Thomas. et al.	
	203	US-9931037	04-03-2018	MILLER; Thomas. et al.	
	204	US-9962081	05-08-2018	MENSINGER; Michael Robert. et al.	
	205	US-9980646	05-29-2018	MENSINGER; Michael Robert. et al.	
	206	US-10376188	08-13-2019	SIMPSON; Peter C. et al.	
	207	US-10667686	06-02-2020	MENSINGER; Michael Robert. et al.	
	208	US-20010023360	09-20-2001	NELSON; Chester G. et al.	
	209	US-20020045808	04-18-2002	FORD; Russell. et al.	
	210	US-20020065453	05-30-2002	LESHO; Matthew J. et al.	

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Filing Date	06-08-2017
First Named Inventor	MENSINGER; Michael Robert.
Art Unit	2685
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Attorney Docket Number	225USC9 / DEXCOM.225C3

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	211	US-20020068858	06-06-2002	BRAIG; James R. et al.	
	212	US-20020195997	12-26-2002	PEEK; Sarah A. et al.	
	213	US-20030028184	02-06-2003	LEBEL; Ronald J. et al.	
	214	US-20030032874	02-13-2003	RHODES; Rathbun. et al.	
	215	US-20030060692	03-27-2003	L. RUCHTI; Timothy. et al.	
	216	US-20040044272	03-04-2004	MOERMAN; Piet. et al.	
	217	US-20050027462	02-03-2005	GOODE; Paul V. Jr. et al.	
	218	US-20050027463	02-03-2005	GOODE; Paul V. Jr. et al.	
	219	US-20050033132	02-10-2005	SHULTS; Mark C. et al.	
	220	US-20050043598	02-24-2005	GOODE; Paul V. Jr. et al.	
	221	US-20050051427	03-10-2005	BRAUKER; James H. et al.	
	222	US-20050056552	03-17-2005	SIMPSON; Peter C. et al.	
	223	US-20050090607	04-28-2005	TAPSAK; Mark A. et al.	
	224	US-20050151640	07-14-2005	HASTINGS; David C.	
	225	US-20050154271	07-14-2005	RASDAL; Andrew. et al.	
	226	US-20050176136	08-11-2005	BURD; John. et al.	
	227	US-20050182451	08-18-2005	GRIFFIN; Adam. et al.	
	228	US-20050192557	09-01-2005	BRAUKER; James H. et al.	
	229	US-20050203360	09-15-2005	BRAUKER; James H. et al.	
	230	US-20050245799	11-03-2005	BRAUKER; James H. et al.	
	231	US-20050283198	12-22-2005	HAUBRICH; Gregory J. et al.	

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Sheet 12 of 31

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Filing Date	06-08-2017
First Named Inventor	MENSINGER; Michael Robert.
Art Unit	2685
Examiner Name	BALSECA, Franklin D.
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	232	US-20050283208	12-22-2005	VON ARX; Jeffrey A. et al.	
	233	US-20060015020	01-19-2006	NEALE; Paul. et al.	
	234	US-20060016700	01-26-2006	BRISTER; Mark. et al.	
	235	US-20060020187	01-26-2006	BRISTER; Mark. et al.	
	236	US-20060020188	01-26-2006	KAMATH; Apurv Ullas. et al.	
	237	US-20060020190	01-26-2006	KAMATH; Apurv Ullas. et al.	
	238	US-20060020191	01-26-2006	BRISTER; Mark. et al.	
	239	US-20060020192	01-26-2006	BRISTER; Mark. et al.	
	240	US-20060036140	02-16-2006	BRISTER; Mark. et al.	
	241	US-20060036143	02-16-2006	BRISTER; Mark. et al.	
	242	US-20060036144	02-16-2006	BRISTER; Mark. et al.	
	243	US-20060040402	02-23-2006	BRAUKER; James H. et al.	
	244	US-20060068208	03-30-2006	TAPSAK; Mark A. et al.	
	245	US-20060071797	04-06-2006	ROSENFELD; Brian. et al.	
	246	US-20060142651	06-29-2006	BRISTER; Mark. et al.	
	247	US-20060155180	07-13-2006	BRISTER; Mark. et al.	
	248	US-20060198864	09-07-2006	SHULTS; Mark. et al.	
	249	US-20060200020	09-07-2006	BRISTER; Mark. et al.	
	250	US-20060200022	09-07-2006	BRAUKER; James H. et al.	
	251	US-20060200970	09-14-2006	BRISTER; Mark. et al.	
	252	US-20060204536	09-14-2006	SHULTS; Mark. et al.	
	253	US-20060222566	10-05-2006	BRAUKER; James H. et al.	

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	254	US-20060224108	10-05-2006	BRAUKER; James H. et al.	
	255	US-20060235285	10-19-2006	BRISTER; Mark. et al.	
	256	US-20060249381	11-09-2006	PETISCE; James R. et al.	
	257	US-20060252027	11-09-2006	PETISCE; James R. et al.	
	258	US-20060253012	11-09-2006	PETISCE; James R. et al.	
	259	US-20060257995	11-16-2006	SIMPSON; Peter. et al.	
	260	US-20060258761	11-16-2006	BOOCK; Robert. et al.	
	261	US-20060263763	11-23-2006	SIMPSON; Peter C. et al.	
	262	US-20060270922	11-30-2006	BRAUKER; James H. et al.	
	263	US-20060270923	11-30-2006	BRAUKER; James H. et al.	
	264	US-20070016381	01-18-2007	KAMATH; Apurv. et al.	
	265	US-20070019213	01-25-2007	VAIDYANATHAN; Janakiraman.	
	266	US-20070027370	02-01-2007	BRAUKER; James H. et al.	
	267	US-20070027385	02-01-2007	BRISTER; Mark. et al.	
	268	US-20070032706	02-08-2007	KAMATH; Apurv. et al.	
	269	US-20070032718	02-08-2007	SHULTS; Mark C. et al.	
	270	US-20070045902	03-01-2007	BRAUKER; James H. et al.	
	271	US-20070059196	03-15-2007	BRISTER; Mark. et al.	
	272	US-20070060093	03-15-2007	KERTH; Donald A. et al.	
	273	US-20070060132	03-15-2007	WILHELMSSON; Leif. et al.	
	274	US-20070066873	03-22-2007	KAMATH; Apurv. et al.	

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Sheet 14 of 31

Complete if Known	
Application Number	15617977
Filing Date	06-08-2017
First Named Inventor	MENSINGER; Michael Robert.
Art Unit	2685
Examiner Name	BALSECA, Franklin D.
Attorney Docket Number	225USC9 / DEXCOM.225C3

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	275	US-20070118187	05-24-2007	DENKER; Stephen. et al.	
	276	US-20070163880	07-19-2007	WOO; Kum Ming. et al.	
	277	US-20070173709	07-26-2007	PETISCE; James R. et al.	
	278	US-20070192137	08-16-2007	OMBRELLARO; Mark P.	
	279	US-20070203966	08-30-2007	BRAUKER; James H. et al.	
	280	US-20070208245	09-06-2007	BRAUKER; James H. et al.	
	281	US-20070208246	09-06-2007	BRAUKER; James H. et al.	
	282	US-20070232879	10-04-2007	BRISTER; Mark. et al.	
	283	US-20070293742	12-20-2007	SIMONSEN; Jan Henning. et al.	
	284	US-20080030057	02-07-2008	TAI; Tung-Hsi.	
	285	US-20080033254	02-07-2008	KAMATH; Apurv Ullas. et al.	
	286	US-20080045824	02-21-2008	TAPSAK; Mark A. et al.	
	287	US-20080083617	04-10-2008	SIMPSON; Peter C. et al.	
	288	US-20080086044	04-10-2008	BRISTER; Mark. et al.	
	289	US-20080108942	05-08-2008	BRISTER; Mark. et al.	
	290	US-20080119703	05-22-2008	BRISTER; Mark. et al.	
	291	US-20080119704	05-22-2008	BRISTER; Mark. et al.	
	292	US-20080119706	05-22-2008	BRISTER; Mark. et al.	
	293	US-20080172737	07-17-2008	SHEN; Jinmei. et al.	
	294	US-20080183061	07-31-2008	GOODE; Paul V. et al.	
	295	US-20080183399	07-31-2008	GOODE; Paul V. et al.	

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Sheet 15 of 31

Complete if Known	
Application Number	15617977
Filing Date	06-08-2017
First Named Inventor	MENSINGER; Michael Robert.
Art Unit	2685
Examiner Name	BALSECA, Franklin D.
Attorney Docket Number	225USC9 / DEXCOM.225C3

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	296	US-20080188731	08-07-2008	BRISTER; Mark. et al.	
	297	US-20080189051	08-07-2008	GOODE; Paul V. et al.	
	298	US-20080194938	08-14-2008	BRISTER; Mark. et al.	
	299	US-20080197024	08-21-2008	SIMPSON; Peter C. et al.	
	300	US-20080199894	08-21-2008	GALASSO; John R.	
	301	US-20080200788	08-21-2008	BRISTER; Mark. et al.	
	302	US-20080200789	08-21-2008	BRISTER; Mark. et al.	
	303	US-20080200791	08-21-2008	SIMPSON; Peter C. et al.	
	304	US-20080214915	09-04-2008	BRISTER; Mark. et al.	
	305	US-20080228054	09-18-2008	SHULTS; Mark C. et al.	
	306	US-20080242961	10-02-2008	BRISTER; Mark. et al.	
	307	US-20080262469	10-23-2008	BRISTER; Mark C. et al.	
	308	US-20080275313	11-06-2008	BRISTER; Mark. et al.	
	309	US-20080287765	11-20-2008	RASDAL; Andrew. et al.	
	310	US-20080300572	12-04-2008	RANKERS; Ulrich. et al.	
	311	US-20080306368	12-11-2008	GOODE JR.; Paul V. et al.	
	312	US-20080306434	12-11-2008	DOBBLES; John Michael. et al.	
	313	US-20080306435	12-11-2008	KAMATH; Apurv U. et al.	
	314	US-20080306444	12-11-2008	BRISTER; Mark C. et al.	
	315	US-20090018424	01-15-2009	KAMATH; Apurv Ullas. et al.	
	316	US-20090030294	01-29-2009	PETISCE; James R. et al.	

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Sheet 16 of 31

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Application Number	15617977
Filing Date	06-08-2017
First Named Inventor	MENSINGER; Michael Robert.
Art Unit	2685
Examiner Name	BALSECA, Franklin D.
Attorney Docket Number	225USC9 / DEXCOM.225C3

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	317	US-20090036758	02-05-2009	BRAUKER; James H. et al.	
	318	US-20090036760	02-05-2009	HAYTER; Gary.	
	319	US-20090036763	02-05-2009	BRAUKER; James H. et al.	
	320	US-20090043181	02-12-2009	BRAUKER; James H. et al.	
	321	US-20090043182	02-12-2009	BRAUKER; James H. et al.	
	322	US-20090043525	02-12-2009	BRAUKER; James H. et al.	
	323	US-20090045055	02-19-2009	RHODES; Rathbun K. et al.	
	324	US-20090054737	02-26-2009	MAGAR; Surendar. et al.	
	325	US-20090062633	03-05-2009	BRAUKER; James H. et al.	
	326	US-20090062635	03-05-2009	BRAUKER; James H. et al.	
	327	US-20090076360	03-19-2009	BRISTER; Mark. et al.	
	328	US-20090085768	04-02-2009	PATEL; Himanshu. et al.	
	329	US-20090099436	04-16-2009	BRISTER; Mark. et al.	
	330	US-20090118596	05-07-2009	KHANUJA; Sukhwant Singh. et al.	
	331	US-20090124877	05-14-2009	GOODE JR.; Paul V. et al.	
	332	US-20090124879	05-14-2009	BRISTER; Mark. et al.	
	333	US-20090124964	05-14-2009	LEACH; Jacob S. et al.	
	334	US-20090131769	05-21-2009	LEACH; Jacob S. et al.	
	335	US-20090131777	05-21-2009	SIMPSON; Peter C. et al.	
	336	US-20090137886	05-28-2009	SHARIATI; Mohammad Ali. et al.	

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	337	US-20090137887	05-28-2009	SHARIATI; Mohammad Ali. et al.	
	338	US-20090143659	06-04-2009	LI; Ying. et al.	
	339	US-20090143660	06-04-2009	BRISTER; Mark. et al.	
	340	US-20090156919	06-18-2009	BRISTER; Mark. et al.	
	341	US-20090156924	06-18-2009	SHARIATI; Mohammad Ali. et al.	
	342	US-20090163790	06-25-2009	BRISTER; Mark. et al.	
	343	US-20090171180	07-02-2009	PERING; Trevor. et al.	
	344	US-20090178459	07-16-2009	LI; Ying. et al.	
	345	US-20090192380	07-30-2009	SHARIATI; Mohammad Ali. et al.	
	346	US-20090192722	07-30-2009	SHARIATI; Mohammad Ali. et al.	
	347	US-20090192724	07-30-2009	BRAUKER; James H. et al.	
	348	US-20090192751	07-30-2009	KAMATH; Apurv Ullas. et al.	
	349	US-20090203981	08-13-2009	BRAUKER; James H. et al.	
	350	US-20090216103	08-27-2009	BRISTER; Mark. et al.	
	351	US-20090240120	09-24-2009	MENSINGER; Michael Robert. et al.	
	352	US-20090240193	09-24-2009	MENSINGER; Michael Robert. et al.	
	353	US-20090242399	10-01-2009	KAMATH; Apurv Ullas. et al.	
	354	US-20090242425	10-01-2009	KAMATH; Apurv Ullas. et al.	
	355	US-20090247855	10-01-2009	BOOCK; Robert. et al.	

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	356	US-20090247856	10-01-2009	BOOCK; Robert. et al.	
	357	US-20090270705	10-29-2009	ENEGREN; Bradley J. et al.	
	358	US-20090287074	11-19-2009	SHULTS; Mark. et al.	
	359	US-20090289507	11-26-2009	SHIU; Ying-Liang.	
	360	US-20090291634	11-26-2009	SAARISALO; Mikko.	
	361	US-20090299155	12-03-2009	YANG; Richard C. et al.	
	362	US-20090299156	12-03-2009	SIMPSON; Peter C. et al.	
	363	US-20090299162	12-03-2009	BRAUKER; James H. et al.	
	364	US-20100010331	01-14-2010	BRAUKER; James H. et al.	
	365	US-20100010332	01-14-2010	BRAUKER; James H. et al.	
	366	US-20100016687	01-21-2010	BRAUKER; James H. et al.	
	367	US-20100016698	01-21-2010	RASDAL; Andrew. et al.	
	368	US-20100026250	02-04-2010	PETTY; John Stewart.	
	369	US-20100030484	02-04-2010	BRAUKER; James H. et al.	
	370	US-20100030596	02-04-2010	JOHARI; Gaurav.	
	371	US-20100036215	02-11-2010	GOODE JR.; Paul V. et al.	
	372	US-20100036225	02-11-2010	GOODE JR.; Paul V. et al.	
	373	US-20100041971	02-18-2010	GOODE JR.; Paul V. et al.	
	374	US-20100045465	02-25-2010	BRAUKER; James H. et al.	
	375	US-20100049024	02-25-2010	SAINT; Sean. et al.	
	376	US-20100076283	03-25-2010	SIMPSON; Peter C. et al.	
	377	US-20100081908	04-01-2010	DOBBLES; J. Michael. et al.	

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	379	US-20100087724	04-08-2010	BRAUKER; James H. et al.	
	380	US-20100096259	04-22-2010	ZHANG; Huashi. et al.	
	381	US-20100121169	05-13-2010	PETISCE; James R. et al.	
	382	US-20100161269	06-24-2010	KAMATH; Apurv Ullas. et al.	
	383	US-20100168540	07-01-2010	KAMATH; Apurv Ullas. et al.	
	384	US-20100168541	07-01-2010	KAMATH; Apurv Ullas. et al.	
	385	US-20100168542	07-01-2010	KAMATH; Apurv Ullas. et al.	
	386	US-20100168543	07-01-2010	KAMATH; Apurv Ullas. et al.	
	387	US-20100168544	07-01-2010	KAMATH; Apurv Ullas. et al.	
	388	US-20100168545	07-01-2010	KAMATH; Apurv Ullas. et al.	
	389	US-20100168546	07-01-2010	KAMATH; Apurv Ullas. et al.	
	390	US-20100168657	07-01-2010	KAMATH; Apurv Ullas. et al.	
	391	US-20100174157	07-08-2010	BRISTER; Mark. et al.	
	392	US-20100174158	07-08-2010	KAMATH; Apurv Ullas. et al.	
	393	US-20100174163	07-08-2010	BRISTER; Mark. et al.	
	394	US-20100174164	07-08-2010	BRISTER; Mark. et al.	
	395	US-20100174165	07-08-2010	BRISTER; Mark. et al.	
	396	US-20100174166	07-08-2010	BRISTER; Mark. et al.	
	397	US-20100174167	07-08-2010	KAMATH; Apurv Ullas. et al.	
	398	US-20100179401	07-15-2010	RASDAL; Andrew. et al.	
	399	US-20100179402	07-15-2010	GOODE JR.; Paul V. et al.	

Examiner Signature		Date Considered	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 20 of 31

Complete if Known	
Application Number	15617977
Filing Date	06-08-2017
First Named Inventor	MENSINGER; Michael Robert.
Art Unit	2685
Examiner Name	BALSECA, Franklin D.
Attorney Docket Number	225USC9 / DEXCOM.225C3

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	400	US-20100179404	07-15-2010	KAMATH; Apurv Ullas. et al.	
	401	US-20100179408	07-15-2010	KAMATH; Apurv. et al.	
	402	US-20100179409	07-15-2010	KAMATH; Apurv Ullas. et al.	
	403	US-20100185065	07-22-2010	GOODE JR.; Paul V. et al.	
	404	US-20100185069	07-22-2010	BRISTER; Mark. et al.	
	405	US-20100185070	07-22-2010	BRISTER; Mark. et al.	
	406	US-20100185071	07-22-2010	SIMPSON; Peter C. et al.	
	407	US-20100185075	07-22-2010	BRISTER; Mark. et al.	
	408	US-20100191082	07-29-2010	BRISTER; Mark. et al.	
	409	US-20100198034	08-05-2010	THOMAS; Christopher Allen. et al.	
	410	US-20100198035	08-05-2010	KAMATH; Apurv Ullas. et al.	
	411	US-20100198036	08-05-2010	KAMATH; Apurv Ullas. et al.	
	412	US-20100212583	08-26-2010	BRISTER; Mark. et al.	
	413	US-20100216507	08-26-2010	MAEDA; Tatsuo.	
	414	US-20100217557	08-26-2010	KAMATH; Apurv Ullas. et al.	
	415	US-20100223013	09-02-2010	KAMATH; Apurv Ullas. et al.	
	416	US-20100223022	09-02-2010	KAMATH; Apurv Ullas. et al.	
	417	US-20100223023	09-02-2010	KAMATH; Apurv Ullas. et al.	
	418	US-20100228109	09-09-2010	KAMATH; Apurv Ullas. et al.	
	419	US-20100228497	09-09-2010	KAMATH; Apurv Ullas. et al.	
	420	US-20100240975	09-23-2010	GOODE JR.; Paul V. et al.	

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Sheet 21 of 31

Complete if Known	
Application Number	15617977
Filing Date	06-08-2017
First Named Inventor	MENSINGER; Michael Robert.
Art Unit	2685
Examiner Name	BALSECA, Franklin D.
Attorney Docket Number	225USC9 / DEXCOM.225C3

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	421	US-20100240976	09-23-2010	GOODE JR.; Paul V. et al.	
	422	US-20100261987	10-14-2010	KAMATH; Apurv Ullas. et al.	
	423	US-20100274107	10-28-2010	BOOCK; Robert. et al.	
	424	US-20100280341	11-04-2010	BOOCK; Robert. et al.	
	425	US-20100283917	11-11-2010	UENO; Masatoshi. et al.	
	426	US-20100286496	11-11-2010	SIMPSON; Peter C. et al.	
	427	US-20100292556	11-18-2010	GOLDEN; Michael.	
	428	US-20100298684	11-25-2010	LEACH; Jacob S. et al.	
	429	US-20100323431	12-23-2010	RUTKOWSKI; Paul S. et al.	
	430	US-20100324403	12-23-2010	BRISTER; Mark. et al.	
	431	US-20100331644	12-30-2010	NEALE; Paul V. et al.	
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	433	US-20100331657	12-30-2010	MENSINGER; Michael Robert. et al.	
	434	US-20110001605	01-06-2011	KIANI; Massi Joe E. et al.	
	435	US-20110004085	01-06-2011	MENSINGER; Michael R. et al.	
	436	US-20110009727	01-13-2011	MENSINGER; Michael Robert. et al.	
	437	US-20110016064	01-20-2011	BARTON; Kenneth Edward.	
	438	US-20110019824	01-27-2011	SATTIRAJU; Venkateswara R. et al.	
	439	US-20110022411	01-27-2011	HJELM; Johan. et al.	
	440	US-20110024043	02-03-2011	BOOCK; Robert. et al.	

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Sheet 22 of 31

Complete if Known	
Application Number	15617977
Filing Date	06-08-2017
First Named Inventor	MENSINGER; Michael Robert.
Art Unit	2685
Examiner Name	BALSECA, Franklin D.
Attorney Docket Number	225USC9 / DEXCOM.225C3

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	441	US-20110024307	02-03-2011	SIMPSON; Peter C. et al.	
	442	US-20110027127	02-03-2011	SIMPSON; Peter C. et al.	
	443	US-20110027453	02-03-2011	BOOCK; Robert. et al.	
	444	US-20110027458	02-03-2011	BOOCK; Robert. et al.	
	445	US-20110028815	02-03-2011	SIMPSON; Peter C. et al.	
	446	US-20110028816	02-03-2011	SIMPSON; Peter C. et al.	
	447	US-20110046467	02-24-2011	SIMPSON; Peter C. et al.	
	448	US-20110054282	03-03-2011	NEKOOMARAM; Saeed. et al.	
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	451	US-20110065384	03-17-2011	CADER; Muhammad Abdul. et al.	
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	453	US-20110081888	04-07-2011	WANISS; Amgad Mofied.	
	454	US-20110112908	05-12-2011	ROWLEY; Henry. et al.	
	455	US-20110118579	05-19-2011	GOODE JR.; Paul V. et al.	
	456	US-20110124992	05-26-2011	BRAUKER; James H. et al.	
	457	US-20110125410	05-26-2011	GOODE JR.; Paul V. et al.	
	458	US-20110130970	06-02-2011	GOODE JR.; Paul V. et al.	
	459	US-20110130971	06-02-2011	GOODE JR.; Paul V. et al.	
	460	US-20110130998	06-02-2011	GOODE JR.; Paul V. et al.	
	461	US-20110144465	06-16-2011	SHULTS; Mark C. et al.	

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Sheet 23 of 31

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Application Number	15617977
Filing Date	06-08-2017
First Named Inventor	MENSINGER; Michael Robert.
Art Unit	2685
Examiner Name	BALSECA, Franklin D.
Attorney Docket Number	225USC9 / DEXCOM.225C3

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	462	US-20110178378	07-21-2011	BRISTER; Mark. et al.	
	463	US-20110190614	08-04-2011	BRISTER; Mark. et al.	
	464	US-20110201910	08-18-2011	RASDAL; Andrew. et al.	
	465	US-20110201911	08-18-2011	JOHNSON; Eric. et al.	
	466	US-20110210830	09-01-2011	TALTY; Timothy J. et al.	
	467	US-20110218414	09-08-2011	KAMATH; Apurv. et al.	
	468	US-20110231140	09-22-2011	GOODE JR.; Paul V. et al.	
	469	US-20110231141	09-22-2011	GOODE JR.; Paul V. et al.	
	470	US-20110231142	09-22-2011	GOODE JR.; Paul V. et al.	
	471	US-20110253533	10-20-2011	SHULTS; Mark C. et al.	
	472	US-20110263958	10-27-2011	BRAUKER; James H. et al.	
	473	US-20110264035	10-27-2011	YODFAT; Ofer. et al.	
	474	US-20110270062	11-03-2011	GOODE JR.; Paul V. et al.	
	475	US-20110270158	11-03-2011	BRAUKER; James H. et al.	
	476	US-20110275919	11-10-2011	PETISCE; James. et al.	
	477	US-20110290645	12-01-2011	BRISTER; Mark. et al.	
	478	US-20110313543	12-22-2011	BRAUKER; James H. et al.	
	479	US-20120035445	02-09-2012	BOOCK; Robert. et al.	
	480	US-20120040101	02-16-2012	TAPSAK; Mark A. et al.	
	481	US-20120046534	02-23-2012	SIMPSON; Peter C. et al.	
	482	US-20120078071	03-29-2012	BOHM; Sebastian. et al.	

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Sheet 24 of 31

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Application Number	15617977
Filing Date	06-08-2017
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Art Unit	2685
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	483	US-20120084053	04-05-2012	YUEN; Shelten Gee Jao. et al.	
	484	US-20120130214	05-24-2012	BRISTER; Mark. et al.	
	485	US-20120172691	07-05-2012	BRAUKER; James H. et al.	
	486	US-20120179014	07-12-2012	SHULTS; Mark C. et al.	
	487	US-20120186581	07-26-2012	BRAUKER; James H. et al.	
	488	US-20120190953	07-26-2012	BRAUKER; James H. et al.	
	489	US-20120191063	07-26-2012	BRAUKER; James H. et al.	
	490	US-20120203467	08-09-2012	KAMATH; Apurv. et al.	
	491	US-20120209098	08-16-2012	GOODE JR.; Paul V. et al.	
	492	US-20120215086	08-23-2012	KAMATH; Apurv. et al.	
	493	US-20120215087	08-23-2012	COBELLI; Claudio. et al.	
	494	US-20120215201	08-23-2012	BRAUKER; James H. et al.	
	495	US-20120215461	08-23-2012	GOODE JR.; Paul V. et al.	
	496	US-20120215462	08-23-2012	GOODE JR.; Paul V. et al.	
	497	US-20120215496	08-23-2012	KAMATH; Apurv. et al.	
	498	US-20120216507	08-30-2012	NIEUWSTADT; Michiel J. Van.	
	499	US-20120220979	08-30-2012	BRAUKER; James H. et al.	
	500	US-20120226121	09-06-2012	KAMATH; Apurv Ullas. et al.	
	501	US-20120228134	09-13-2012	SIMPSON; Peter C. et al.	
	502	US-20120233679	09-13-2012	SHEDRINSKY; Felix.	
	503	US-20120235823	09-20-2012	TROCK; Adam. et al.	

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Filing Date	06-08-2017
First Named Inventor	MENSINGER; Michael Robert.
Art Unit	2685
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	504	US-20120238851	09-20-2012	KAMEN; Dean. et al.	
	505	US-20120238852	09-20-2012	BRAUKER; James H. et al.	
	506	US-20120242501	09-27-2012	TRAN; Bao. et al.	
	507	US-20120245448	09-27-2012	SHARIATI; Mohammad Ali. et al.	
	508	US-20120245855	09-27-2012	KAMATH; Apurv. et al.	
	509	US-20120255875	10-11-2012	VICENTE; Kenneth San. et al.	
	510	US-20120258748	10-11-2012	SAN VICENTE; Kenneth. et al.	
	511	US-20120259191	10-11-2012	SHARIATI; Mohammad Ali. et al.	
	512	US-20120260323	10-11-2012	SAN VICENTE; Kenneth. et al.	
	513	US-20120262298	10-18-2012	BOHM; Sebastian. et al.	
	514	US-20120265035	10-18-2012	BOHM; Sebastian. et al.	
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	518	US-20120277566	11-01-2012	KAMATH; Apurv Ullas. et al.	
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	521	US-20120296311	11-22-2012	BRAUKER; James H. et al.	
	522	US-20120302854	11-29-2012	KAMATH; Apurv Ullas. et al.	
	523	US-20120302855	11-29-2012	KAMATH; Apurv Ullas. et al.	

Examiner Signature		Date Considered	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 26 of 31

Complete if Known	
Application Number	15617977
Filing Date	06-08-2017
First Named Inventor	MENSINGER; Michael Robert.
Art Unit	2685
Examiner Name	BALSECA, Franklin D.
Attorney Docket Number	225USC9 / DEXCOM.225C3

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	524	US-20120309302	12-06-2012	BUHOT; Thomas.	
	525	US-20120323100	12-20-2012	KAMATH; Apurv. et al.	
	526	US-20130012798	01-10-2013	BRISTER; Mark. et al.	
	527	US-20130030273	01-31-2013	TAPSAK; Mark A. et al.	
	528	US-20130035575	02-07-2013	MAYOU; Phil. et al.	
	529	US-20130035865	02-07-2013	MAYOU; Phil. et al.	
	530	US-20130035871	02-07-2013	MAYOU; Phil. et al.	
	531	US-20130047233	02-21-2013	FISK; Frank C. et al.	
	532	US-20130053666	02-28-2013	HUGHES; Jonathan. et al.	
	533	US-20130136221	05-30-2013	NISHIKATA; Kaori. et al.	
	534	US-20130137946	05-30-2013	GESKE; Thomas. et al.	
	535	US-20130172709	07-04-2013	MEARS; Mark G. et al.	
	536	US-20130203351	08-08-2013	HILLAN; John. et al.	
	537	US-20130276144	10-17-2013	HANSEN; Michael.	
	538	US-20130321425	12-05-2013	GREENE; Adam R. et al.	
	539	US-20140176346	06-26-2014	BRUMBACK; Christine Boomer. et al.	
	540	US-20140235166	08-21-2014	MOLETTIERE; Peter Andrew. et al.	
	541	US-20140244301	08-28-2014	LEE; Sung-Hwa. et al.	
	542	US-20140266776	09-18-2014	MILLER; Thomas. et al.	
	543	US-20140288402	09-25-2014	BRISTER; Mark. et al.	
	544	US-20150371350	12-24-2015	ZEBARJADI; Nafis. et al.	

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Sheet 27 of 31

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Art Unit	2685
Examiner Name	BALSECA, Franklin D.
Attorney Docket Number	225USC9 / DEXCOM.225C3

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	545	US-20160081586	03-24-2016	MILLER; Thomas. et al.	
	546	US-20170034682	02-02-2017	MATSUMASA; Hironori. et al.	
	547	US-20170135041	05-11-2017	MILLER; Thomas. et al.	
	548	US-20170181629	06-29-2017	MAHALINGAM; Aarthi. et al.	
	549	US-20170181630	06-29-2017	MAHALINGAM; Aarthi. et al.	
	550	US-20170181645	06-29-2017	MAHALINGAM; Aarthi. et al.	
	551	US-20170231497	08-17-2017	BRISTER; Mark C. et al.	
	552	US-20180132720	05-17-2018	MILLER; Thomas. et al.	
	553	US-20180160949	06-14-2018	BRISTER; Mark. et al.	
	554	US-20190059730	02-28-2019	BRISTER; Mark C. et al.	
	555	US-20190069817	03-07-2019	BRISTER; Mark. et al.	
	556	US-20190380163	12-12-2019	MILLER; Thomas. et al.	
	557	US-20200221949	07-16-2020	MENSINGER; Michael Robert. et al.	
	558	US-20200221950	07-16-2020	MENSINGER; Michael Robert. et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3]-Number[4]-Kind Code[5] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T[6]
	001	EP-2227062-A1	09-08-2010	FUJITSU LTD [JP]		☐

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Sheet 28 of 31

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Application Number	15617977
Filing Date	06-08-2017
First Named Inventor	MENSINGER; Michael Robert.
Art Unit	2685
Examiner Name	BALSECA, Franklin D.
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	002	EP-2453398-A1	05-16-2012	NXP BV [NL]		☐
	003	EP-2498196-A2	09-12-2012	BROADCOM CORP [US]		☐
	004	JP-2016035699-A	03-17-2016	FUJITSU LTD.		☒
	005	WO-2013019225-A1	02-07-2013	DRAEGER MEDICAL SYSTEMS INC [US], et al.		☐
	006	WO-9718639-A1	05-22-1997	VITALCOM INC [US], et al.		☐

Examiner Signature		Date Considered	

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Sheet 29 of 31

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First Named Inventor	MENSINGER; Michael Robert.
Art Unit	2685
Examiner Name	BALSECA, Franklin D.
Attorney Docket Number	225USC9 / DEXCOM.225C3

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	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,page(s),volume-issue number(s),publisher, city and/or country where published.	T[2]
	001	ANONYMOUS, "Near Field Communication - Wikipedia, The Free Encyclopedia," Retrieved from https://en.wikipedia.org/w/index.php?title=Near_field_communication&%20oldid=543740757, June 27, 2014, 15 pages.	☐
	002	Extended European Search Report for Application No. 16882308.6 mailed July 23, 2019, 07 pages - Atty.Docket. No. 629VEPA.	☐
	003	Extended European Search Report for Application No. 18175412.8 mailed October 17, 2018, 11 pages - Atty. Docket No. DEXCOM.221EPD1.	☐
	004	File History of European Application No. 14708172.3 filed on June 16, 2015, including Opposition documents for Patent No. 2973082 (Appl. No. EP14708172.3), 1179 pages (See image file wrapper - Atty. Docket No. DEXCOM.221EP).	☐
	005	GARG S.K., et al., "Improved Glucose Excursions Using an Implantable Real-Time Continuous Glucose Sensor in Adults With Type 1 Diabetes," Emerging Treatments and Technologies, Diabetes Care, Vol. 27 (3), 2004, pp. 734-738.	☐
	006	HIRSCH et al., "Should Minimal Blood Glucose Variability Become the Gold Standard of Glycemic Control", Journal of Diabetes and Its Complications, Vol. 19, 2005, pp. 178-181.	☐
	007	International Preliminary Report on Patentability for Application No. PCT/US2013/076544 mailed July 09, 2015, 12 pages - Atty. Docket. No. 225VWOA.	☐
	008	International Preliminary Report on Patentability for Application No. PCT/US2014/016111 mailed September 24, 2015, 10 pages - Atty. Docket No. DEXCOM.221WO.	☐
	009	International Preliminary Report on Patentability for Application No. PCT/US2016/066399 mailed on July 12, 2018, 14 pages - Atty. Docket. No. 629VWOA.	☐

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Sheet 30 of 31

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Application Number	15617977
Filing Date	06-08-2017
First Named Inventor	MENSINGER; Michael Robert.
Art Unit	2685
Examiner Name	BALSECA, Franklin D.
Attorney Docket Number	225USC9 / DEXCOM.225C3

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	010	International Search Report and Written Opinion for Application No. PCT/US2013/076544 mailed October 14, 2014, 16 pages Atty. Docket. No. 225VWOA.	☐
	011	International Search Report and Written Opinion for Application No. PCT/US2014/016111 mailed December 22, 2014, 13 pages - Atty. Docket No. DEXCOM.221WO.	☐
	012	International Search Report and Written Opinion for Application No. PCT/US2016/066399 mailed on March 30, 2017, 15 pages - Atty. Docket. No. 629VWOA.	☐
	013	MIRANO SYSTEMS INC, "Green Receipt," Retrieved from https://web.archive.org/web/20121224003730/http://mirano.ca/, 2012, 1 page.	☐
	014	NFC FORUM, "NFC Data Exchange Format (NDEF)," NFCForum-TS-NDEF 1.0, Technical Specification, NFC Forum™, NDEF 1.0, July 24, 2006, 25 pages.	☐
	015	NFCForum, NFCForum-TS-DigitalProtocol-1.0, 2010; 194 pages.	☐
	016	Office Action from Australian Patent Application No. 2019257401, dated June 24, 2020, 7 pages - Atty. Docket No. 629VAUD1.	☐
	017	University of California, Diabetes Teaching Center "Blood Sugar & Stress", Diabetes Education Online Jul. 27, 2013, 3 pages.	☐
	018	WIKIPEDIA, "Near-Field Communication," downloaded from https://en.wikipedia.org/wiki/Near-field_commucation on January 3, 2019, pp. 1-14.	☐

Examiner Signature	/FRANKLIN D BALSECA/	Date Considered	09/16/2020

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Sheet | 1 | of | 3

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	001	US-20080148148	06-19-2008	RAMANATHAN; Rajesh et al.	
	002	US-20130117797	05-09-2013	LAM; Khanh	
	003	US-20150032826	01-29-2015	GUNARATNAM; Vasanthan	

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	001	CN-101589393-A	11-25-2009	MEDAPPS INC [US]		☒
	002	CN-101601040-A	12-09-2009	MEDAPPS INC [US]		☒
	003	CN-102036718-A	04-27-2011	QUALCOMM INC.		☒

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	001	Office Action for Chinese Application No. 201810548292.0, mailed on September 22, 2020, 16 pages - Atty. Docket No. 225VCND3.	☒
	002	Office Action for Chinese Application No. 201810549393.X, mailed on September 2, 2020, 11 pages - Atty. Docket No. 225VCND2.	☒

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Examiner Name	BALSECA, Franklin D.
Attorney Docket Number	225USC9 / DEXCOM.225C3

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.

☒ 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	/Rose M. Thiessen/	Date (YYYY-MM-DD)	2020-10-22
Name/Print	Rose M. Thiessen	Registration Number	40202

33749858:abt

UNITED STATES
PATENT AND TRADEMARK OFFICE

P.O. Box 1450
Alexandria, VA 22313 - 1450
www.uspto.gov

ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
15/617,977	**10/22/2020 07:41:38 PM ET**	**DEXCOM.225C3**

Title of Invention

REMOTE MONITORING OF ANALYTE MEASUREMENTS

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	8138	FILED BY	Alexa Terracin
PATENT CENTER #	60099329	FILING DATE	06/08/2017
CUSTOMER #	68851	FIRST NAMED INVENTOR	Michael Robert Mensinger
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Rose Thiessen

Documents

TOTAL DOCUMENTS: 7

DOCUMENT		PAGES	DESCRIPTION	SIZE (KB)
DEX225C3_20201222.pdf		3	-	38 KB
DEX225C3_20201222-IDS.pdf	(1-2)	2	Information Disclosure Statement (IDS) Form (SB08)	29 KB
DEX225C3_20201222-TRAN.LET.pdf	(3-3)	1	Transmittal Letter	16 KB
CN102036718_Qualcomm.pdf		31	Foreign Reference	2197 KB
CN101601040_Medapps2.pdf		60	Foreign Reference	2948 KB

CN101589393A_Medapps.pdf	45	Foreign Reference	2439 KB
225CND2_OA1_2Sep2020.pdf	11	Other Reference-Patent/App/Search documents	2444 KB
225CND3_OA1_2Sep2020.pdf	11	Other Reference-Patent/App/Search documents	2444 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
DEX225C3_20201222.pdf	68A81EAEAD490E6DC4440EB8AD0FD042985420079790CF46F1BF4E9D6E55C6179C69A41823E330505ED5BC4175FAB9269DBA2E3336BDAF98408D11EBBB6F9572
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CN101601040_Medapps2.pdf	73922EB31F9E6356801E3BED54FB3E162E1162E40E78B1B7B9D0149397B53A55B489B95ECEABEB8051F025981AB458C8DF0725154877A51CC9F8070532F9C54F
CN101589393A_Medapps.pdf	51DE52953C1E29C55601C3ABCC60E1EEA980E60335145BD1E4651C3CACA4F8569C4FC303D692CF579FFAF4BF2EC196908CCAFE93EF27F86E6A99C26BD3999D09
225CND2_OA1_2Sep2020.pdf	63E17B09C8FC156C9143FA64DD834ED76F416DE83255E2CEE

	3DB51E7061AC408FE8D14B3E3E9FAD2A9E563A1CCB1661578 5E991E9F55DDDE86815F6925AEF15D
225CND3_OA1_2Sep2020.pdf	137F72117DE2E880D0A277970E0EFA6DAD9C246CF690BF5D8 93DF1FA714FC0709FCF9A0EDD005636A746776D148D77742F 112FF057CCA32ED08B8260D14C86BB

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 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

In re Application of: Michael Robert Mensinger	Examiner: Balseca, Franklin D.
Serial No.: 15/617,977	Art Unit: 2685
Filed: June 8, 2017	Conf. No.: 8138
Title: Remote Monitoring of Analyte Measurements	

AMENDMENT

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

Dear Sir:

In response the Office Action mailed September 22, 2020, Applicant respectfully requests withdrawal of the outstanding rejections in light of the amendments and remarks herein.

Amendments to the Claims begin on page 2.

Remarks begin on page 7.

Abbott Ex. 1002 - 684/848

AMENDMENTS TO THE CLAIMS

Without prejudice or surrender of any subject matter, this listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) A method comprising:

~~receiving, at a remote monitor, an invitation to access a secure server and data associated with a receiver monitoring an analyte state of a host;~~

~~providing, from the remote monitor to the secure server, an acceptance to the invitation;~~

identifying, by [[the]]a remote monitor, a set of one or more rules that define conditions for communications between [[the]]a secure server and the remote monitor, wherein the set of one or more rules are provided to the remote monitor by the secure server and associated with [[the]] data associated with [[the]]a receiver configured to monitor an analyte state of a host, and wherein the set of one or more rules are generated according to one or more preferences or settings from a host device, wherein the host device sets a first setting of the one or more preferences or settings; and

modifying, by the remote monitor, at least one rule of the set of one or more rules wherein the set of one or more rules includes a first rule defining an alert representative of an event associated with the analyte state of the host, the event being determined by the secure server based on a first measurement of the data associated with the receiver regarding the analyte state of the host at a first time, wherein the alert, when triggered at the first time, causes an alert message to be sent to the remote monitor from the secure server to notify the remote monitor of ~~at least one of~~ the event, wherein modifying the at least one rule of the set of one or more rules comprises modifying, by the remote monitor, the first setting set by the host device. ~~and a second rule defining a time value as to when a reminder message is sent to the remote monitor after the alert message is sent to the remote monitor, the reminder message only being sent if the alert message has not been previously acknowledged by the remote monitor and only if the event associated with the~~

Abbott Ex. 1002 - 685/848

~~analyte state of the host has not changed, based on a second measurement of the data at a second time, after the alert message was sent~~.

2. (Previously Presented) The method of claim 1, wherein the at least one rule is the first rule, wherein modifying the first rule comprises varying a first threshold associated with a low level of glucose at the host, and wherein the event being determined by the secure server is further based on the first measurement indicating an analyte measurement that is lower than the first threshold.

3. (Previously Presented) The method of claim 1, wherein the at least one rule is the first rule, wherein modifying the first rule comprises varying a second threshold associated with a high level of glucose at the host, and wherein the event being determined by the secure server is further based on the first measurement indicating an analyte measurement that is higher than the second threshold.

4. (Currently Amended) The method of claim 1, wherein the set of one or more rules further comprises a ~~third~~ second rule that defines a delay between when a notification message is sent to the receiver and when the alert message is sent to the remote monitor, the method further comprising modifying the ~~third~~ second rule by varying the delay.

5. – 7. (Cancelled)

8. (Currently Amended) An apparatus for remote monitoring of a host's analyte levels, the apparatus comprising:

at least one processor; and

at least one memory including code, which when executed by the at least one processor causes the apparatus to:

~~receive an invitation to access a secure server and data associated with a receiver monitoring an analyte state of a host;~~

~~provide to the secure server an acceptance to the invitation;~~

identify, by the apparatus, a set of one or more rules that define conditions for communications between [[the]] a secure server and the apparatus ~~remote monitor~~,

Abbott Ex. 1002 - 686/848

wherein the set of one or more rules are provided to the apparatus ~~remote monitor~~ by the secure server and associated with [[the]] data associated with [[the]] a receiver configured to monitor an analyte state of a host, and wherein the set of one or more rules are generated according to one or more preferences or settings from a host device, wherein the host device sets a first setting of the one or more preferences or settings; and

modify at least one rule of the set of one or more rules wherein the set of one or more rules includes a first rule defining an alert representative of an event associated with the analyte state of the host, the event being determined by the secure server based on a first measurement of the data associated with the receiver regarding the analyte state of the host at a first time, wherein the alert, when triggered at the first time, causes an alert message to be sent to the apparatus from the secure server to notify the apparatus of ~~at least one of~~ the event ~~and a second rule defining a time value as to when a reminder message is sent to the apparatus after the alert message is sent, the reminder message only being sent if the alert message has not been previously acknowledged by the apparatus and only if the event associated with the analyte state of the host has not changed, based on a second measurement of the data at a second time, after the alert message was sent~~, wherein modifying the at least one rule of the set of one or more rules comprises modifying, by the apparatus, the first setting set by the host device.

9. (Currently Amended) The apparatus of claim 8, wherein the at least one rule is the first rule, wherein modifying the first rule comprises varying a first threshold associated with a low level of glucose at the host, and wherein the event being determined by the secure server is further based on the first measurement indicating an analyte measurement that is lower than the first threshold.

10. (Previously Presented) The apparatus of claim 8, wherein the at least one rule is the first rule, wherein modifying the first rule comprises varying a second threshold associated with a high level of glucose at the host, and wherein the event being determined by the secure server is further based on the first measurement indicating an analyte measurement that is higher than

Abbott Ex. 1002 - 687/848

the second threshold.

11. (Currently Amended) The apparatus of claim 8, wherein the set of one or more rules further comprises a ~~third~~ second rule that defines a delay between when a notification message is sent to the receiver and when the alert message is sent to the apparatus~~remote monitor~~, and wherein the code further causes the apparatus to modify the ~~third~~ second rule by varying the delay.

12. (Cancelled)

13. (Currently Amended) The apparatus of claim 24 [[8]], wherein the invitation is associated with a set of recommended rule settings configured by the host device, wherein the recommended rule settings are provided to the apparatus~~remote monitor~~ for acceptance or modification.

14. (Currently Amended) The apparatus of claim 24 [[8]], wherein the apparatus is configured to accept the invitation responsive to user input at the apparatus, wherein accepting the invitation, programmatically establishes an account associated with the apparatus at the server.

15. (Cancelled)

16. (Currently Amended) The apparatus of claim 8, wherein the at least one rule is [[the]] a second rule defining a time value as to when a reminder message is sent to the apparatus after the alert message is sent to the apparatus, the reminder message only being sent if the alert message has not been previously acknowledged by the apparatus and only if the event associated with the analyte state of the host has not changed, based on a second measurement of the data at a second time, after the alert message was sent~~, and wherein the apparatus is configured to provide the acceptance to the invitation after modifying the second rule~~.

17. (New) The method of claim 1, further comprising:

receiving, at the remote monitor, an invitation to access the secure server and the data associated with the receiver; and

providing, from the remote monitor to the secure server, an acceptance to the invitation.

Abbott Ex. 1002 - 688/848

18. (New) The method of claim 17, wherein the invitation is associated with a set of recommended rule settings configured by the host device, wherein the recommended rule settings are provided to the remote monitor for acceptance or modification.

19. (New) The method of claim 17, wherein accepting the invitation, programmatically establishes an account associated with the remote monitor at the server.

20. (New) The method of claim 1, wherein the set of one or more rules comprises a second rule defining a time value as to when a reminder message is sent to the remote monitor after the alert message is sent to the remote monitor, the reminder message only being sent if the alert message has not been previously acknowledged by the remote monitor and only if the event associated with the analyte state of the host has not changed, based on a second measurement of the data at a second time, after the alert message was sent.

21. (New) The method of claim 20, wherein the at least one rule is the second rule.

22. (New) The method of claim 20, wherein the time value is determined based on a type or severity of the event triggering the alert.

23. (New) The method of claim 20, wherein the reminder message is only sent if the alert has not been previously acknowledged by the remote monitor and only if the event associated with the analyte state of the host further worsens.

24. (New) The apparatus of claim 8, wherein the code, when executed by the at least one processor further causes the apparatus to:

receive an invitation to access the secure server and the data associated with the receiver; and

provide an acceptance to the invitation.

Abbott Ex. 1002 - 689/848

REMARKS

Claims 1-4, 6-11, and 13-16 were pending and stand rejected. By the present amendment, Claims 1, 4, 8, 9, 11, 13, 14, and 16 have been amended, Claims 6 and 7 have been cancelled, and Claims 17-24 are new. Support for the amendments is found in the specification and claims as filed, for example at paragraphs 56-58 (notifications), 150-158 (invitations), 160 (worsening state of patient trigger reminders), 168-170 (modify setting). By the following remarks, Applicant does not acquiesce to the propriety of any of the Examiner's objections or rejections and does not disclaim any subject matter to which Applicant is entitled. *Cf. Warner-Jenkinson Co. v. Hilton Davis Chem. Co.*, 41 U.S.P.Q. 2d 1865 (U.S. 1997). Cancellation and/or amendment of certain claims in this or any other response is not to be construed as a dedication to the public of any of the subject matter of the claims as previously presented, and Applicant reserves the ability to pursue the amended claims as filed, the canceled claims or similar claims in one or more continuing applications, e.g., continuation, divisional, or continuation-in-part applications.

Discussion of Claim Rejections under 35 U.S.C. § 103

The Examiner rejected Claims 1-3, 8-10, and 15-16 under pre-AIA 35 U.S.C. § 103(a) as allegedly being unpatentable over U.S. Pat. Pub. No. 2013/0117696 (hereinafter referred to as Robertson), in view of U.S. Pat. Pub. No. 2006/0010098 (hereinafter referred to as Goodnow), U.S. Pat. Pub. No. 2012/0136221 (hereinafter referred to as Killen), U.S. Pat. Pub. No. 2012/0108934 (hereinafter referred to as Valdes), U.S. Pat. No. 8,912,897 (hereinafter referred to as Carnes), and U.S. Pat. No. 8,821,622 (hereinafter referred to as Manahan).

For obviousness under 35 U.S.C. § 103(a), each and every limitation must be taught or suggested by the prior art reference, or references when combined or modified (MPEP 2143). It should therefore be noted that Applicant need only point out a single limitation in each claim that is not disclosed, taught, or suggested by any reference identified in the Office Action ("OA") to overcome the prior art-based rejections. The following discussion therefore should not be construed as an exhaustive listing of every distinguishing feature set forth in the claims.

Applicant respectfully submits that the cited references, either alone or in combination, do not disclose, teach, or suggest all of the features of currently amended claim 1. For example,

Abbott Ex. 1002 - 690/848

the combination of the cited references does not disclose, teach, or suggest: "identifying, by a remote monitor, a set of one or more rules that define conditions for communications between a secure server and the remote monitor, wherein the set of one or more rules are provided to the remote monitor by the secure server and associated with the data associated with a receiver configured to monitor an analyte state of a host, and wherein the set of one or more rules are generated according to one or more preferences or settings from a host device, wherein the host device sets a first setting of the one or more preferences or settings..." and "modifying, by the remote monitor, at least one rule of the set of one or more rules, wherein the set of one or more rules includes a first rule defining an alert ... when triggered at the first time, causes an alert message to be sent to the remote monitor from the secure server to notify the remote monitor of the event, wherein modifying the at least one rule of the set of one or more rules comprises modifying, by the remote monitor, the first setting set by the host device," as recited in claim 1.

The OA acknowledges that Robertson and Goodnow do not teach "that [the] set of one or more rules define conditions for communications between the secure server and the remote monitor, and that an alert is generated when the abnormal event is detected using the at least one rule." OA, page 9. However, the OA combines Robertson and Goodnow with Killen and alleges that:

> [I]t would have been obvious for one of ordinary skill in the art ... to use Killen's teachings of modifying rules to generate alerts about the monitored parameter in the method taught by the combination because it will permit the remote monitoring device to monitor other physiological data such as blood glucose and receive notifications when an abnormal condition is detected by the server.

OA, page 10.

Applicant respectfully disagrees with whether a skilled person would be motivated to make the combination as suggested above and that the combination would result in what is recited in Claim 1, for the reasons set forth herein. Killen describes a system having a measuring device 6 and an analysis device 8. "The measuring device 6 is used by a hospital employee, such as a nurse, to periodically record a set of vital signs for one or more patients," medical practitioners then can "receive their messages using the analysis device 8, and decide how to react." See para 112 and 116 of Killen. In paragraph 143 and 154 of Killen cited in the OA it is described that "a doctor may use the analysis device to set up a listening alert for a particular patient." Therefore in Killen, the doctor is the only person setting rules for alerts and the patient

Abbott Ex. 1002 - 691/848

does not have any input into the process because the system of Killen deals with a hospital environment. Therefore, there is no teaching of "identifying, by a remote monitor, a set of one or more rules that define conditions for communications between a secure server and the remote monitor, wherein the set of one or more rules are provided to the remote monitor by the secure server and associated with the data associated with a receiver configured to monitor an analyte state of a host, and wherein the set of one or more rules are generated according to one or more preferences or settings from a host device, **wherein the host device sets a first setting of the one or more preferences or settings**..." and "modifying, by the remote monitor, at least one rule of the set of one or more rules, wherein the set of one or more rules includes a first rule defining an alert ... when triggered at the first time, causes an alert message to be sent to the remote monitor from the secure server to notify the remote monitor of the event, wherein modifying the at least one rule of the set of one or more rules comprises **modifying, by the remote monitor, the first setting set by the host device**."

In contrast, in Robertson, it is clearly stated that "**the patient has complete control** over what data the third party can view" and "the patient 106 can share data and what data can be shared with an invitee." See, e.g., Robertson, paras. [0096], [0101]. Based on the teachings of Robertson, a skilled person would not be motivated to modify Robertson with Killen. Indeed, a combination of Robertson with Killen as suggested by the OA, would render Robertson inoperable for its intended purpose as the patient would have no control, and instead the entire control would be given to the doctor.

Also in contrast to Killen, Goodnow describes a patient that downloads an application on a personal computer (PC) and uploads glucose data to the PC using the application. *See* paragraph [0206]-[0218] of Goodnow. The data uploaded to the PC can be shared through the application with a host server that is in communication with a PC that executes the same type of application and is operated by a health care professional (HCP). *See id.* Using the application, the patient is able to "select a Glucose Targets tab to enter target glucose ranges." *See id.* at paragraph [0235]. "The target ranges that are set are displayed on a graph on the Screen illustrated at FIG. 20, as well as in many other reports that can be generated by the System." *Id.* "The ranges may be displayed in Signal colors for easy viewing." *Id.* The user in Goodnow is able to allow an HCP to view and edit data that the user inputs in the application "including event data, glucose targets ..." *See id.* at paragraph [0409]. Similar to the rationale provided for

Abbott Ex. 1002 - 692/848

the combination of Killen and Robertson, a skilled person would not be motivated to combine Goodnow with Killen because Killen, which is in a hospital environment, teaches away from giving control to the patient as permitted by Goodnow, and modifying Goodnow in view of Killen would frustrate the purpose of Goodnow, which is to provide a way for a patient to have control over data.

Applicant further maintains that glucose targets are not "a set of one or more rules that define conditions for communications between the secure server and the remote monitor." In the response to arguments section of the OA, the OA concedes that Goodnow does not teach (a set of one or more rules that define conditions for communications between the secure server and remote monitor)." OA, page 3. The OA combines Goodnow with Killen which allegedly teach that "target values set up at the server can be used by the server to send notifications to the remote monitor." OA, page 3. As previously asserted, the combination of Killen and Goodnow is improper at least for the reasons stated above, additionally, no motivation is provided in either of the references to modify the data "warehouse" of Goodnow which is used for home users to customize and generate data reports, to trigger notifications (e.g., such as in the hospital environment of Killen) to the HCP based on targets set by the home user and changed by the HCP. Indeed, Goodnow is directed to management of data and identifying trends that can be used to educate persons with diabetes to improve their glucose control by sticking to lifestyle recommendations and medication plans. Goodnow, paras. [0202], [0209]. The HCP of Goodnow can be engaged to establish insulin adjustment tables and prescribed plans that can be followed by the home users. Goodnow, paras. [0376], [0377]. The pre-populated tables and plans of Goodnow are considered "convenient" references for self-management of home users. Nothing in the teachings of Goodnow or Killens would motivate a skilled person to modify the self-managing home users of Goodnow, with the close monitoring of hospital patients of Killens which provides all monitoring and control to the HCP.

The combination of the cited references, therefore, fails to disclose, teach, or suggest all of the features of claim 1. Further, the remaining cited art does not cure the discussed deficiencies of the cited references, nor is it used in such a manner. Accordingly, Applicant respectfully submits that claim 1 is in condition for allowance. Claim 8 recites similar features as claim 1 and is therefore also in condition for allowance. The remaining claims are dependent on one of the independent claims and are therefore allowable at least based on their dependency. ***No***

Abbott Ex. 1002 - 693/848

Disclaimers or Disavowals

Although the present communication may include alterations to the application or claims, or characterizations of claim scope or referenced art, Applicant is not conceding in this application that previously pending claims are not patentable over the cited references. Rather, any alterations or characterizations are being made to facilitate expeditious prosecution of this application. Applicant reserves the right to pursue at a later date any previously pending or other broader or narrower claims that capture any subject matter supported by the present disclosure, including subject matter found to be specifically disclaimed herein or by any prior prosecution. Accordingly, reviewers of this or any parent, child or related prosecution history shall not reasonably infer that Applicant has made any disclaimers or disavowals of any subject matter supported by the present application.

Any remarks in support of patentability of one claim should not be imputed to any other claim, even if similar terminology is used. Any language or remarks referring to only a portion of a claim should not necessarily be understood to base patentability on solely that portion; rather, patentability rests on each claim taken as a whole.

Applicant respectfully submits that to the extent any disclaimers or statements were made previously during prosecution with respect to the scope of the claimed invention, such disclaimers and statements are hereby rescinded.

Applicant respectfully reserves the ability to traverse any of the rejections, assertions and submissions made in connection with the application, even if not discussed herein, including the right to challenge later whether any of the cited references is prior art. The absence of a reply to a specific rejection, issue, or comment does not signify agreement with or concession of that rejection, issue, or comment. In addition, because any arguments made may not be exhaustive, there may be other reasons that have not been expressed for patentability of any or all claims. When amendments are made to any claims, no acquiescence or estoppel is implied thereby; such amendments are made only to expedite prosecution of the present application and are without prejudice to the presentation or assertion, in the future, of claims directed to subject matter that is same as or similar to that previously presented. Nothing in this paper should be construed as an intent to concede, or actual concession of, any issue with regard to any claim, or to any cited art,

Abbott Ex. 1002 - 694/848

except as specifically stated in this paper, and the amendment or cancellation of any claim does not necessarily signify concession of unpatentability of the claim prior to its amendment or cancellation.

Conclusion

Should the Examiner have any concerns that might prevent the prompt allowance of the application, the Examiner is respectfully invited to contact the undersigned at the telephone number below. Please charge any additional fees, including any fees for additional extension of time, or credit overpayment to Deposit Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: December 21, 2020

By: /Ian W. Gillies/
Ian W. Gillies
Registration No. 62,280
Registered Practitioner
(858) 707-4000

34092599

Abbott Ex. 1002 - 695/848

Electronic Patent Application Fee Transmittal

Application Number:	15617977
Filing Date:	08-Jun-2017
Title of Invention:	REMOTE MONITORING OF ANALYTE MEASUREMENTS
First Named Inventor/Applicant Name:	Michael Robert Mensinger
Filer:	Ian W. Gillies/Genneth Munar
Attorney Docket Number:	DEXCOM.225C3

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:				
CLAIMS IN EXCESS OF 20	1202	4	100	400
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension-of-Time:				
Miscellaneous:				
			Total in USD ($)	**400**

Electronic Acknowledgement Receipt

EFS ID:	41455122
Application Number:	15617977
International Application Number:	
Confirmation Number:	8138
Title of Invention:	REMOTE MONITORING OF ANALYTE MEASUREMENTS
First Named Inventor/Applicant Name:	Michael Robert Mensinger
Customer Number:	68851
Filer:	Ian W. Gillies/Wendy Castorena
Filer Authorized By:	Ian W. Gillies
Attorney Docket Number:	DEXCOM.225C3
Receipt Date:	21-DEC-2020
Filing Date:	08-JUN-2017
Time Stamp:	19:24:14
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	$400
RAM confirmation Number	E2020BKJ24418693
Deposit Account	111410
Authorized User	Wendy Castorena

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

37 CFR 1.17 (Patent application and reexamination processing fees)

37 CFR 1.16 (National application filing, search, and examination fees)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		Amend_DEXCOM_225C3.pdf	263035 fb434abd1bd091ef4b19f0fe3b214da268f3b3eb	yes	12

Multipart Description/PDF files in .zip description		
Document Description	**Start**	**End**
Amendment/Req. Reconsideration-After Non-Final Reject	1	1
Claims	2	6
Applicant Arguments/Remarks Made in an Amendment	7	12

Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	30460 fa7eec0bf2ed1e6b981978021fa08b482e87ee65	no	2
Warnings:					
Information:					
			Total Files Size (in bytes):	293495	

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.

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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet | 1 | of | 3

Complete if Known	
Application Number	15617977
Filing Date	06-08-2017
First Named Inventor	MENSINGER; Michael Robert
Art Unit	2685
Examiner Name	BALSECA, Franklin D.
Attorney Docket Number	225USC9 / DEXCOM.225C3

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	001	US-20050027182	02-03-2005	SIDDIQUI; Uzair et al.	
	002	US-20070242666	10-18-2007	BARRETT; Timothy Alan	
	003	US-20080316015	12-25-2008	NAEDELE; Martin et al.	
	004	US-20140104058	04-17-2014	SHELEHEDA; Daniel et al.	
	005	US-20150172096	06-18-2015	SADOVSKY; Art et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3]-Number[4]-Kind Code[5] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T[6]
	001	JP-2004282541-A	10-07-2004	OMRON TATEISI ELECTRONICS CO.		☒

Examiner Signature		Date Considered	

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

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Sheet | 2 | of | 3

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Attorney Docket Number	225USC9 / DEXCOM.225C3

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	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,page(s),volume-issue number(s),publisher, city and/or country where published.	T[2]
	001	Office Action for Canadian Application No. 2,886,791, mailed on November 04, 2020, 4 pages. Atty. Docket. No. DEXCOM. 225VCAA.	☐
	002	Office Action from Japanese Patent Application No. 2019-211605, dated November 9, 2020, 10 pages - Atty. Docket No. DEXCOM.225JPD2.	☒

Examiner Signature		Date Considered	

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Art Unit	2685
Examiner Name	BALSECA, Franklin D.
Attorney Docket Number	225USC9 / DEXCOM.225C3

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.

☒ 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	/Ian W. Gillies/	Date (YYYY-MM-DD)	2020-12-22
Name/Print	Ian W. Gillies	Registration Number	62280

34095453:abt

Electronic Patent Application Fee Transmittal

Application Number:	15617977
Filing Date:	08-Jun-2017
Title of Invention:	REMOTE MONITORING OF ANALYTE MEASUREMENTS
First Named Inventor/Applicant Name:	Michael Robert Mensinger
Filer:	Ian W. Gillies/Alexa Terracin
Attorney Docket Number:	DEXCOM.225C3

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($)
Miscellaneous:				
SUBMISSION- INFORMATION DISCLOSURE STMT	1806	1	260	260
		Total in USD ($)		**260**

Electronic Acknowledgement Receipt

EFS ID:	41466580
Application Number:	15617977
International Application Number:	
Confirmation Number:	8138
Title of Invention:	REMOTE MONITORING OF ANALYTE MEASUREMENTS
First Named Inventor/Applicant Name:	Michael Robert Mensinger
Customer Number:	68851
Filer:	Ian W. Gillies/Alexa Terracin
Filer Authorized By:	Ian W. Gillies
Attorney Docket Number:	DEXCOM.225C3
Receipt Date:	22-DEC-2020
Filing Date:	08-JUN-2017
Time Stamp:	15:47:00
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	$260
RAM confirmation Number	E2020BLF48101595
Deposit Account	
Authorized User	
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		DEX225C3_20201222.pdf	39009 88510e98e4da93ec2937a06bae5bb75c5761d312	yes	3
	Multipart Description/PDF files in .zip description				
	Document Description		**Start**	**End**	
	Information Disclosure Statement (IDS) Form (SB08)		1	2	
	Transmittal Letter		3	3	
Warnings:					
Information:					
2	Foreign Reference	JP2004282541_Omron_Tateisi.pdf	1465415 914e6f3f743a057b374703d632cbaa281a46c4b8	no	19
Warnings:					
Information:					
3	Other Reference-Patent/App/Search documents	225CA_OA_04Nov2020.pdf	918760 317c577eb5d4cad5136d32fec2f95dc61decd15a	no	4
Warnings:					
Information:					
4	Other Reference-Patent/App/Search documents	225JPD2_OA_9Nov2020.pdf	3690141 eddffca2b75e4e2c58b6180e8e1ac2388e9f1898	no	10
Warnings:					
Information:					
5	Fee Worksheet (SB06)	fee-info.pdf	30726 309b599cda97b294f2de7035674123581c696d1f	no	2
Warnings:					
Information:					

Total Files Size (in bytes):	6144051

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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet | 1 | of | 3

Complete if Known	
Application Number	15617977
Filing Date	06-08-2017
First Named Inventor	MENSINGER; Michael Robert
Art Unit	2685
Examiner Name	BALSECA, Franklin D.
Attorney Docket Number	0225-US12CON / DEXCOM.225C3

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	001	US-10856736	12-08-2020	MENSINGER; Michael Robert et al.	
	002	US-10869599	12-22-2020	MENSINGER; Michael Robert et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3]–Number[4]–Kind Code[5] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T[6]
		None				

Examiner Signature		Date Considered	

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NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	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,page(s),volume-issue number(s),publisher, city and/or country where published.	T[2]
	001	Examination Report No. 2 from Australian Patent Application No. 2019200545, mailed on January 14, 2021, 4 pages- Atty. Docket No. DEXCOM.225AUD2.	☐
	002	Office Action for Canadian Application No. 3002096, mailed on January 27, 2021, 3 pages. Atty. Docket. No. DEXCOM.362CA.	☐
	003	Office Action from European Patent Application No. 13821308.7, dated February 3, 2021, 11 pages - Atty. Docket No. DEXCOM.225EP.	☐
	004	Office Action for Australian Application No. 2019200545, mailed on February 16, 2021, 3 pages. - Atty. Docket No. DEXCOM.225AUD2.	☐

Examiner Signature		Date Considered	

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UNITED STATES
PATENT AND TRADEMARK OFFICE

P.O. Box 1450
Alexandria, VA 22313 - 1450
www.uspto.gov

ELECTRONIC PAYMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
15/617,977	02/23/2021 03:43:33 PM ET	DEXCOM.225C3

Title of Invention

REMOTE MONITORING OF ANALYTE MEASUREMENTS

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	8138	FILED BY	Alexa Terracin
PATENT CENTER #	60149708	AUTHORIZED BY	Ian Gillies
CUSTOMER #	68851	FILING DATE	06/08/2017
CORRESPONDENCE ADDRESS	-	FIRST NAMED INVENTOR	Michael Robert Mensinger

Payment Information

PAYMENT METHOD	PAYMENT TRANSACTION ID	PAYMENT AUTHORIZED BY
CARD / 7762	E20212MF44474959	Alexa Terracin

FEE CODE	DESCRIPTION	ITEM PRICE($)	QUANTITY	ITEM TOTAL($)
1806	SUBMISSION OF AN INFORMATION DISCLOSURE STATEMENT	260.00	1	260.00
			TOTAL AMOUNT:	$260.00

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First Named Inventor	MENSINGER; Michael Robert
Art Unit	2685
Examiner Name	BALSECA, Franklin D.
Attorney Docket Number	0225-US12CON / DEXCOM.225C3

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☐ See attached certification statement.

☒ 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	/Ian W. Gillies/	Date (YYYY-MM-DD)	2021-02-23
Name/Print	Ian W. Gillies	Registration Number	62280

34422006:abt

UNITED STATES
PATENT AND TRADEMARK OFFICE

P.O. Box 1450
Alexandria, VA 22313 - 1450
www.uspto.gov

ELECTRONIC ACKNOWLEDGEMENT RECEIPT

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15/617,977	**02/23/2021 03:43:33 PM ET**	**DEXCOM.225C3**

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CUSTOMER #	68851	FIRST NAMED INVENTOR	Michael Robert Mensinger
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Ian Gillies

Documents

TOTAL DOCUMENTS: 6

DOCUMENT		PAGES	DESCRIPTION	SIZE (KB)
DEX225C3_20210223.pdf		3	-	38 KB
DEX225C3_20210223-IDS.pdf	(1-2)	2	Information Disclosure Statement (IDS) Form (SB08)	29 KB
DEX225C3_20210223-TRAN.LET.pdf	(3-3)	1	Transmittal Letter	16 KB
225AUD2_ER_14Jan2021.pdf		4	Other Reference-Patent/App/Search documents	964 KB
225AUD2_NofAccept_16Feb2021.pdf		3	Other Reference-Patent/App/Search documents	482 KB

362CA_ER_27Jan2021.pdf	3	Other Reference-Patent/App/Search documents	909 KB
225EP_OA_03Feb2021.pdf	11	Other Reference-Patent/App/Search documents	2264 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
DEX225C3_20210223.pdf	B17E717CF30507F16A00C16BFCB3223917534DAFD23415D7F3D287C7A8090A77AD503A77007A9D478871861E93513CE733AC861C5C4AC9E0B443A44CD9020980
DEX225C3_20210223-IDS.pdf	D059C0A4EAE612E223CB6FD603F050C81A6401DECC20EC860A1C1D52CAD815505FC3C15A88F2CB4736D47C5F33803A103B56538B3153E57F5B8197F981B57207
DEX225C3_20210223-TRAN.LET.pdf	CED7C5E57BD752F2A0B6ADFF47D89529B0F8894F9B71A10A26AF1DFB134D4DFD650BEBE66050CF33F493E7A2DECBA9A08A10C0C00A90E799BC37896B869E4387
225AUD2_ER_14Jan2021.pdf	4BA7077DA08ADAE08520C410C406942D8F1C057CEBECE88B7B9D1EFACCFCF85701900FCAB8E5BE529D1A738AB44C1903B44318827CADC946B438DCC4ACF51E6F
225AUD2_NofAccept_16Feb2021.pdf	16017834ACD1DCB2E17492C9074BB3F0DECAA0B0EE40E91B004DA7F6DFA606E8D35E2E3D842F6E909BE09CED1B69A2352835CFE2949C9DEBC1DA6222AB1CAAB4
362CA_ER_27Jan2021.pdf	8B920D3B2083C0991BCFF1BAB22880B19B60B78DF7E872EE816E2925F854AB5A377FDA80E945CD360AC0CA7F60BD0F2C4B80BDDA570F64B98B401F6CEE06BEC0
225EP_OA_03Feb2021.pdf	D166858327B76A0281780D7F6EBE317C22DC600FF29034DB90898A7F02EF0EFD11C98DB85DEE30A0471F8A3F6F8D92DBA03CC5F8FCB36CFD26649FDEC469518C

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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.
15/617,977	06/08/2017	Michael Robert Mensinger	DEXCOM.225C3	8138

68851 7590 03/22/2021

KNOBBE, MARTENS, OLSON & BEAR, LLP
DEXCOM, INC.
2040 MAIN STREET
FOURTEENTH FLOOR
IRVINE, CA 92614

EXAMINER	
BALSECA, FRANKLIN D	

ART UNIT	PAPER NUMBER
2685	

NOTIFICATION DATE	DELIVERY MODE
03/22/2021	ELECTRONIC

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

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

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

efiling@knobbe.com
jayna.cartee@knobbe.com

Abbott Ex. 1002 - 717/848

Office Action Summary	Application No. 15/617,977	Applicant(s) Mensinger et al.	
	Examiner FRANKLIN D BALSECA	Art Unit 2685	AIA (FITF) Status No

-- 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 21 December 2020.

☐ 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) 1-4,8-11,13-14 and 16-24 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) 1-4,8-11,13-14 and 16-24 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: _____.

Detailed Action

Response to Arguments

1. Applicant's arguments filed December 21, 2020 have been fully considered but they are not persuasive.

In regards to claims 1 and 8, the applicant argues that the combination of Killen with the other cited prior art is improper because Killen's teachings is in a hospital environment where sensed data can be collected manually and doctors have complete control over the data [see applicant's arguments pg. 8 last paragraph, pg. 9-10].

The examiner respectfully disagrees with the applicant. The applicant' is reading the Killen reference individually and not as a combination. The Killen was used in the rejection in the broad sense of a system having a server that permits a remote user to access data and alarms. The fact that the monitored data taught by Killen is obtained inside a hospital is not important because the other prior art used in the rejection teaches that the data can be obtained from a patient outside a hospital. All the prior art used in the rejection are in the same field of endeavor of monitoring a patient remotely using a server. Therefore, the combination of Killen with the other cited prior art is proper. For the reasons provided above, the applicant's arguments are not persuasive.

Double Patenting Rejections

2. As stated in the previous action, claims 1-4, 8-11 and 13-14 are rejected on the ground of non-statutory double patenting as being unpatentable over claims 1-5 and 16-21 of US Patent 9,585,563.

Claim Rejections - 35 USC § 103

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

> (a) A patent may not be obtained through the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

3. Claim(s) 1-3 and 8-10 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Valdes et al. (US-2012/0108934) in view of Goodnow, et al. (US-2006/0010098) and Killen et al (US-2012/0136221).

In regards to claim 1, Valdes teaches a method for monitoring analyte state of a host [fig. 1, fig. 5, par. 0089 L. 1-5, par. 0090]. Valdes teaches that the system comprises a remote monitor, a receiver configured to monitor an analyte state of a host and a server [fig. 1 elements 14, 16, 18, 20 and 22 (receiver), fig. 5 elements 18, 510, 520 and 530 (remote monitor) and 570 (server)].

Valdes fails to teach a step of identifying, by a remote monitor, a set of one or more rules that define conditions for communications between a secure server and the

remote monitor and a step of modifying, by the remote monitor, at least one rule of the set of one or more rules.

On the other hand, Goodnow teaches that a host can set up, using a host device, one or more target values for glucose measurements of the host (a set of one or more rules), and that a remote monitoring device, which was invited by the host and is authorized to receive the host's data from a server, can modify the target values [par. 0218 L. 3-10, par. 0235, par. 0238, par. 0409]. Goodnow's teachings means that the method comprises a step of identifying, by the remote monitor, a set of one or more rules, wherein the set of one or more rules are provided to the remote monitor by a secure server and associated with the data associated with the receiver, in order to be able to modify the set of one or more rules. Goodnow teachings also mean that the set of one or more rules are generated according to one or more preferences or settings from a host device, wherein the host device sets a first setting of the one or more preferences or settings. Furthermore, Goodnow teaches that the method comprises the step of modifying, by the remote monitor, at least one rule of the set of one or more rules, wherein the modifying the at least one rule of the setoff one or more rules comprises modifying, by the remote monitor, the first setting set by the host device [par. 0409].

It would have been obvious to one of ordinary skill in the art, at the time of the invention, to use Goodnow's teachings of setting up rules using a host device and permitting a remote monitor device to modify those rules in the method taught by Valdes because it will permit a patient and a caregiver, which may have more knowledge about

the proper target values for the patient, to adjust the rules that will permit more accurately know the actual analyte state of the host.

The combination of Valdes and Goodnow teaches that the method comprises the step of modifying, by the remote monitor, at least one rule of the set of one or more rules wherein the set of one or more rules include rules that detect abnormal events regarding analyte state of the host [see Goodnow par. 0238, par. 0409]. However, the combination does not teach that set of one or more rules define conditions for communications between the secure server and the remote monitor, and that an alert is generated when the abnormal event is detected using the at least one rule.

On the other hand, Killen teaches accessing data about a physiological state of a host in a secure server by a remote monitor [fig. 1 element 8]. Killen further teaches that physiological data that is monitored can be glucose (analyte state of a host) [par. 0184 L. 7-10]. Killen further teaches that the rules used to detect abnormal events and modified by the remote monitor can be used by the server to generate alerts for the remote monitor based on the received analyte measurements of the host [fig. A72, par. 0143 L. 4-10, par. 0154]. This teaching means that the set one or more rules are used to define conditions for communications between the server and the remote monitor and that the set of one or more rules includes a first rule defining an alert representative of an event associated with the analyte state of the host, the event being determined by the secure server based on a first measurement of the data associated with the receiver regarding the state of the host at a first time, wherein the alert, when triggered at the first time, causes an alert message to be sent to the remote monitor from the secure server to notify the remote monitor of the event [fig. A72, par. 0143 L. 4-10, par. 0154].

It would have been obvious to one of ordinary skill in the art, at the time of the invention, to use Killen's teachings of using the rules established at the server to generate alerts about the monitored parameter in the method taught by the combination because it will permit the remote monitoring device to receive notifications when an abnormal condition is detected by the server so the abnormal condition could be treated as needed.

In regards to claims 2 and 3, the combination of Valdes, Goodnow and Killen, as applied in claim 1 above, further teaches that the at least one rule is the first rule, that modifying the first rule comprises varying a first and a second threshold values associated with the monitored physiological parameter, and that the event determined by the secure server is based on the firs measurement indication that the monitored parameter is lower than the first threshold or higher than the second threshold [see Goodnow par. 0238, par. 0409, see Killen fig. A72, par. 0143 L. 4-10, par. 0154]. Furthermore, the combination teaches that when glucose is being monitored the threshold values can be associated with low level of glucose of the host and a high-level glucose of the host [see Goodnow par. 0238, see Valdes par. 0048].

In regards to claim 8, the combination of Valdes, Goodnow and Killen, as shown in claim 1 above, teaches the claimed limitations. The combination further teaches that the remote monitor further comprises at least one processor; and at least one memory including code, which when executed by the at least one processor causes

the apparatus to perform the method [see Valdes fig. 5, see Goodnow par. 0409, see Killen fig. 2].

In regards to claims 9 and 10, the combination of Valdes, Goodnow and Killen, as shown in claims 2 and 3 above, teaches the claimed limitations.

4. Claim(s) 4 and 11 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Valdes et al. (US-2012/0108934) in view of Goodnow, et al. (US-2006/0010098) and Killen et al (US-2012/0136221) as applied to claims 1 and 8 above, and further in view of Robertson et al. (US-2013/0117696) and Hastings (US-2005/0148890).

In regards to claim 4, the combination of Valdes, Goodnow and Killen, as applied in claim 1 above, teaches an alert message is sent to the remote monitor [see Killen fig. A72, par. 0143 L. 4-10, par. 0154]. However, the combination does not teach that the set of one or more rules comprises a second rule that defines delay between when a notification message is sent to the receiver and when the alert message is sent to the remote monitor.

On the other hand, Robertson teaches that a notification message can be sent to the receiver and the alert message can be sent to the remote monitor [see Robertson fig. 4 (alert message) fig. 106 (notification), par. 0096 L. 1-6, par. 0223 L. 1-4].

It would have been obvious to one of ordinary skill in the art, at the time of the invention, to use Robertson's teachings of sending a notification to the receiver in the

method taught by the combination because it will permit the patient to know when an abnormal event has been detected by the server.

The combination of Valdes, Goodnow, Killen and Robertson does not teach that the set one or more rules comprises a second rule defining a delay between when the message is sent to the receiver and a notification message is sent to the remote monitor, and that the second rule can be modified.

On the other hand, Hastings teaches a method to receive alerts at a remote monitor where the user of the remote monitor can select the time when the alert is received at the remote monitor [par. 0178 L. 1-4, par. 0179 L. 12-14]. This means that the set of one or more rules comprises a second rule defining a delay between when a notification message is sent to the receiver and an alert message is sent to the remote monitor because the user of the remote monitor can decide when to receive the alert message, and that the second rule can be modify by varying the delay.

It would have been obvious to one of ordinary skill in the art, at the time of the invention, to use Hastings' teachings of letting the user to select the time when the notification is sent in the method taught by the combination because it will permit the user of the remote monitor device to decide when to receive the notification.

In regards to claim 11, the combination of Valdes, Goodnow, Killen, Robertson and Hastings, as shown in claim 4 above, teaches the claimed limitations.

5. Claim(s) 17 and 24 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Valdes et al. (US-2012/0108934) in view of Goodnow, et al. (US-

2006/0010098) and Killen et al (US-2012/0136221) as applied to claims 1 and 8 above, and further in view of Robertson et al. (US-2013/0117696).

In regards to claim 17, the combination of Valdes, Goodnow and Killen, as applied in claim 1 above, teaches a secure server where the host and the remote monitor can access monitored data [see Goodnow par. 0218 L. 3-10, par. 0235, par. 0238, par. 0409]. However, the combination does not teach that the method comprises a step of receiving, at the remote monitor, an invitation to access the secure server and the data associated with the receiver; and a step of providing, from the remote monitor to the secure server, an acceptance to the invitation.

On the other hand, Robertson teaches a step of receiving, at a remote monitor, an invitation to access a secure server and data associated with a receiver monitoring physiological state of a host [fig. 1 elements 108 (receiver) and 122 (secure server), fig. 8 (remote monitor accessing data), fig. 31 (invitation), par. 0101 L. 1-14, par. 0106 L. 18-25]. Furthermore, Robertson teaches that the method comprises a step of providing, from the remote monitor to the secure server, an acceptance to the invitation [par. 0106 L. 24-31].

It would have been obvious to one of ordinary skill in the art, at the time of the invention, to use Robertson's teachings of sending an invitation and receiving an acceptance to the invitation to grant access in the method taught by the combination because it will permit the host to have more control over who has access to the data and it will permit the server to have more control over who access the data by only granting access to the remote monitors that have accepted the invitation.

In regards to claim 24, the combination of Valdes, Goodnow, Killen and Robertson, as shown in claim 17 above, teaches the claimed limitations.

6. Claim(s) 13 and 18 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Valdes et al. (US-2012/0108934) in view of Goodnow, et al. (US-2006/0010098), Killen et al (US-2012/0136221) and Robertson et al. (US-2013/0117696) as applied to claims 17 and 24 above, and further in view of Thomas et al. (US-2013/0173742).

In regards to claim 18, the combination of Valdes, Goodnow, Killen and Robertson, as applied in claim 17 above, teaches that a host can authorize a user to modify notification rule settings [see Goodnow par, 0235, par. 0409]. This means that the host device can configure notification rule settings (set of recommended rule settings) and later authorize a remote monitor to modify and/or accept those rules. However, the combination does not teach that the invitation is associated with a set of recommended settings that can be modified by the remote monitor.

The combination of Valdes, Goodnow, Killen and Robertson does not teach that the set of recommended settings are included with the invitation.

On the other hand, Thomas teaches the concept that when the host device in a system invites another user, the invitation will include settings established by the host device and that the invitee can accept or modify [par. 0088 L. 1-5, par. 0091 L. 1-5, par. 0092 L. 15-21].

It would have been obvious to one of ordinary skill in the art, at the time of the invention, to use Thomas' teachings of including the rules with the invitation in the method taught by the combination because it will permit the system to send the rule settings and the invitation in a single message and reduce traffic in the system.

In regards to claim 13, the combination of Valdes, Goodnow, Killen and Robertson and Thomas, as shown in claim 18 above, teaches the claimed limitations.

7. Claim(s) 14 and 19 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Valdes et al. (US-2012/0108934) in view of Goodnow, et al. (US-2006/0010098), Killen et al (US-2012/0136221) and Robertson et al. (US-2013/0117696) as applied to claims 17 and 24 above, and further in view of Daoud et al. (US-2013/0159456)

In regards to claim 19, the combination of Valdes, Goodnow, Killen and Robertson, as applied in claim 17 above, teaches that the user of the remote device can accept the invitation [see Robertson par. 0106 L. 24-25]. However, the combination does not explicitly state that an account is created when accepting the invitation.

On the other hand, Daoud teaches that accepting the invitation programmatically establishes an account associated with the remote monitor at the server [fig. 24 element 2404, par. 0038 L. 8-15, par. 0081 L. 29-36].

It would have been obvious to one of ordinary skill in the art, at the time of the invention, to use Daoud' teachings of creating an account when the invitation is

accepted in the method taught by the combination because it will permit the user of the remote device to create an account when an invitation is received for the first time in order the user can access the data at the server securely whenever the user desires.

In regards to claim 14, the combination of Valdes, Goodnow, Killen, Robertson and Daoud, as shown in claim 19 above, teaches the claimed limitations.

8. Claim(s) 16 and 20-21 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Valdes et al. (US-2012/0108934) in view of Goodnow, et al. (US-2006/0010098) and Killen et al (US-2012/0136221) as applied to claims 1 and 8 above, and further in view of Carnes (US-8,912,897) and Manahan et al. (US-8,821,622).

In regards to claim 20, the combination of Valdes, Goodnow and Killen, as applied in claim 1 above, teaches that a user can use the remote monitor to modify alert rules [see Goodnow par. 0409, see Killen fig. A72, par. 0143 L. 4-10, par. 0154]. However, the combination does not teach that the set of one or more rules includes second rule defining a time value of when a reminder message is sent to the remote monitor.

On the other hand, Carnes teaches that the set of one or more rules, which can be modified by the user, can include a second rule defining a varying time value as to when a reminder message is sent to the remote monitor [col. 9 L. 9-13]. Carnes further teaches that the reminder message is only sent if the alert message has not been previously acknowledged [col. 9 L. 9-13].

It would have been obvious to one of ordinary skill in the art, at the time of the invention, to use Carnes's teachings of setting a time to send a reminder message in the method taught by the combination because it will permit the user of the remote monitor to configure the time a reminder message is sent and to prevent that alerts are left unattended.

The combination of Valdes, Goodnow, Killen and Carnes does not teach that the reminder message is sent only if the event associated with monitored condition has not changed after the alert message was sent.

On the other hand, Manahan teaches that a system, monitoring measurements of a sensor, can send a notification of an event to a user device based on a first measurement taken at a first time by the sensor [col. 13 L. 33-37, col. 14 L. 6-14 and L. 31-40]. Furthermore, Manahan teaches that the notification of the event is transmitted again until the parameter sensed by the sensor returns to a normal level [col. 23 L. 23-26]. The aforementioned teaching means that the system continues to receive measurements at a second time and will transmit the notification again (reminder) only if the sensed parameter has not changed, based on the second measurement of the data at the second time, after the alert message was sent.

It would have been obvious to one of ordinary skill in the art, at the time of the invention, to use Manahan's teachings of transmitting alert (reminder) until the second measurement is back to normal in the method taught by the combination because it will permit the system to remind the remote monitoring device that an alert condition exist, which in this case is associated with the analyte state of the host, and to know when the state of the host has returned to normal.

In regards to claim 16, the combination of Valdes, Goodnow, Killen, Carnes and Manahan, as shown in claim 20 above, teaches the claimed limitations.

In regards to claim 21, the combination of Valdes, Goodnow, Killen, Carnes and Manahan, as applied in claim 20 above, further teaches that the at least one rules is the second rule and that the user of the remote monitor can accept the invitation and also modify the second rule varying the time value [see Goodnow par. 0409, see Carnes col. 9 L. 6-13].

9. Claim(s) 22 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Valdes et al. (US-2012/0108934) in view of Goodnow, et al. (US-2006/0010098) and Killen et al (US-2012/0136221), Carnes (US-8,912,897) and Manahan et al. (US-8,821,622) as applied to claim 20 above, and further in view of Gajic et al. (US-8,527,449).

In regards to claim 22, the combination of Valdes, Goodnow, Killen, Carnes and Manahan, as applied in claim 20 above, does not teach that the time value is determined based on a type or severity of the event triggering the alert.

On the other hand, teaches that the time value used to send a reminder of an event is determined based on a severity of the event triggering the alert [col. 8 L. 38-45 and L. 48-53].

It would have been obvious to one of ordinary skill in the art, at the time of the invention, to use Gajic's teachings of making the time value dependent on the severity of the event in the method taught by the combination because it will permit the system to remind a user of a detected event more frequently if the detected event more severe.

10. Claim(s) 23 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Valdes et al. (US-2012/0108934) in view of Goodnow, et al. (US-2006/0010098) and Killen et al (US-2012/0136221), Carnes (US-8,912,897) and Manahan et al. (US-8,821,622) as applied to claim 20 above, and further in view of Wallace (US-7,026,929).

In regards to claim 23, the combination of Valdes, Goodnow, Killen, Carnes and Manahan, as applied in claim 20 above, teaches that the reminder message is only sent if the alert has not been previously acknowledged by the remote monitor [see Carnes col. 9 L. 9-13]. However, the combination does not teach that the reminder message is also sent only if the event associated with the analyte state of the host further worsens.

On the other hand, Wallace teaches the concept of sending a second message about a detected event when data indicates that the data has reached a second threshold that indicates that the monitored condition has further deteriorated [col. 19 L. 56-66, col. 20 L. 1-3]. This teaching means that a reminder message will be only transmitted when the monitored condition further worsens and only when the first detected event has not been resolved (first alert has not been acknowledged).

It would have been obvious to one of ordinary skill in the art, at the time of the invention, to use Wallace's teachings of sending a reminder message only when the state of the monitored condition worsens in the method taught by the combination because it will permit the system to alert a user that the monitored condition is getting worse and that nobody has acknowledged the previously sent alert.

Conclusion

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

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

Any inquiry concerning this communication or earlier communications from the examiner should be directed to FRANKLIN D BALSECA whose telephone number is (571)270-5966. The examiner can normally be reached on 6AM-4PM EST M-F.

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, Hai Phan can be reached on (571) 272-6338.

Information regarding the status of an application may be obtained from the Patent Application Retrieval (PAIR) system. Status information for published applications may be obtained from either 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. If you have questions on how to access to 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 US OR CANADA) or (571) 272-1000.

/FRANKLIN D BALSECA/
Examiner, Art Unit 2685

Notice of References Cited	Application/Control No. 15/617,977	Applicant(s)/Patent Under Reexamination Mensinger et al.	
	Examiner FRANKLIN D BALSECA	Art Unit 2685	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-8527449-B2	09-2013	Gajic; Ognjen	G16H50/20	706/54
*	B	US-7026929-B1	04-2006	Wallace; Thomas E.	G08B25/003	340/539.13
	C					
	D					
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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)
	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
	15/617,977	Mensinger et al.
	Examiner	Art Unit
	FRANKLIN D BALSECA	2685

✓	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	12/04/2017	06/22/2018	11/19/2018	08/06/2019	01/09/2020	06/08/2020	09/17/2020	03/17/2021	
	1	✓	✓	✓	✓	✓	✓	✓	✓	
	2	✓	✓	✓	✓	✓	✓	✓	✓	
	3	✓	✓	✓	✓	✓	✓	✓	✓	
	4	✓	✓	✓	✓	✓	✓	✓	✓	
	5	✓	-	-	-	-	-	-	-	
	6	✓	✓	✓	✓	✓	✓	✓	-	
	7	✓	✓	✓	✓	✓	✓	✓	-	
	8	✓	✓	✓	✓	✓	✓	✓	✓	
	9	✓	✓	✓	✓	✓	✓	✓	✓	
	10	✓	✓	✓	✓	✓	✓	✓	✓	
	11	✓	✓	✓	✓	✓	✓	✓	✓	
	12	✓	-	-	-	-	-	-	-	
	13	✓	✓	✓	✓	✓	✓	✓	✓	
	14	✓	✓	✓	✓	✓	✓	✓	✓	
	15		✓	✓	✓	✓	✓	✓	-	
	16		✓	✓	✓	✓	✓	✓	✓	
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	20								✓	
	21								✓	
	22								✓	
	23								✓	
	24								✓	

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15/617,977	Mensinger et al.
	Examiner	Art Unit
	FRANKLIN D BALSECA	2685

CPC - Searched*		
Symbol	**Date**	**Examiner**
A61B5/ 0002,0004,0022,145,14532,7264,7282,742,743,746,0015,0024,02,7435,7465	12/04/2017	FB
G06F19/3418,30,32,34,3406,3487	12/04/2017	FB
H04L67/12	12/04/2017	FB
H04Q9/00	12/04/2017	FB
H04Q2209/00,10,40,50,82,823,826	12/04/2017	FB
Updated Search	06/21/2018	FB
Updated Search	11/19/2018	FB
Updated Search	08/06/2019	FB
G16H40/67,20,63	08/06/2019	FB
G16H20/00,40	08/06/2019	FB
G16H15/00	08/06/2019	FB
G16H50/70,20	08/06/2019	FB
H04Q2209/70	08/06/2019	FB
Updated Search	01/09/2020	FB
Updated Search	06/08/2020	FB
Updated Search	09/17/2020	FB
Updated Search	03/17/2021	FB

CPC Combination Sets - Searched*		
Symbol	**Date**	**Examiner**

/FRANKLIN D BALSECA/ Examiner, Art Unit 2685	

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15/617,977	Mensinger et al.
	Examiner	Art Unit
	FRANKLIN D BALSECA	2685

US Classification - Searched*			
Class	Subclass	Date	Examiner

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

/FRANKLIN D BALSECA/ Examiner, Art Unit 2685	

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15/617,977	Mensinger et al.
	Examiner	Art Unit
	FRANKLIN D BALSECA	2685

Search Notes		
Search Notes	**Date**	**Examiner**
Inventor Search	12/04/2017	FB
East Search	12/04/2017	FB
A61B5/ 0002,0004,0022,145,14532,7264,7282,742,743,746,0015,0024,02,7 435,7465 and text limited. See search history printout.	12/04/2017	FB
G06F19/3418,30,32,34,3406,3487 and text limited. See search history printout.	12/04/2017	FB
H04L67/12 and text limited. See search history printout.	12/04/2017	FB
H04Q9/00 and text limited. See search history printout.	12/04/2017	FB
H04Q2209/00,10,40,50,82,823,826 and text limited. See search history printout.	12/04/2017	FB
Updated East and text limited class search	06/21/2018	FB
Updated East and text limited class search	11/19/2018	FB
Updated East and text limited class search	08/06/2019	FB
G16H40/67,20,63 and text limited. See search history printout.	08/06/2019	FB
G16H20/40 and text limited. See search history printout.	08/06/2019	FB
G16H15/00 and text limited. See search history printout.	08/06/2019	FB
G16H50/70,20 and text limited. See search history printout.	08/06/2019	FB
H04Q2209/70 and text limited. See search history printout.	08/06/2019	FB
Updated Inventor Search	01/09/2020	FB
Updated East and text limited class search	01/09/2020	FB
Updated East and text limited class search	06/08/2020	FB
Updated East and text limited class search	09/17/2020	FB
Updated East and text limited class search	03/17/2021	FB

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

/FRANKLIN D BALSECA/ Examiner, Art Unit 2685	

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15/617,977	Mensinger et al.
	Examiner	**Art Unit**
	FRANKLIN D BALSECA	2685

/FRANKLIN D BALSECA/ Examiner, Art Unit 2685	

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	155,297	A61B5/0002,0004,145,14532,7264,7282,742,743,746,0015,0024,02,7435,7465.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/17 06:59
L4	6,003	G06F16/3418,30,32,34,3406,3487.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/17 06:59
L5	85,935	H04L67/12.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/17 07:00
L6	32,265	H04Q9/00.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	2021/03/17 07:00

			IBM_TDB			
L7	13,391	H04Q2209/00,10,40,50,82,823,826.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/17 07:00
L9	114,476	G16H40/67,20,63.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/17 07:00
L10	22,434	G16H20/00,40.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/17 07:01
L11	19,835	G16H15/00.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/17 07:01
L12	65,572	G16H50/70,20.cpc.	US-PGPUB; USPAT; USOCR; FPRS;	OR	ON	2021/03/17 07:01

			EPO; JPO; DERWENT; IBM_TDB			
L14	284	H04Q2209/70.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/17 07:02
L15	407,206	L3 or L4 or L5 or L6 or L7 or L9 or L10 or L11 or L12 or L14	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/17 07:02
L16	0	L15 and ((transmit$4 or send$4 or sent) near3 reminder near3 (evetn or alarm or alert) near3 worse$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/17 07:03
L17	0	L15 and ((transmit$4 or send$4 or sent) near3 reminder near3 (event or alarm or alert) near3 worse$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/17 07:03

L18	1	L15 and ((transmit$4 or send$4 or sent) near3 (reminder or second) near3 (message or alarm or alert) near3 worse$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/17 07:10
L19	1	L15 and ((transmit$4 or send$4 or sent) near5 (reminder or second) near5 (message or alarm or alert) near5 worse$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/17 07:13
L20	0	((glucose or physiological or patient or biological) near3 sensor) and ((transmit$4 or send$4 or sent) near5 (reminder or second) near5 (message or alarm or alert) near5 worse$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/17 07:14
L21	0	((glucose or physiological or patient or biological) near3 senso$4) and ((transmit$4 or send$4 or sent) near5 (reminder or second) near5 (message or alarm or alert) near5 worse$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/17 07:15
L22	0	((glucose or physiological or patient or biological) near3 (sens$4 or monitor$4)) and ((transmit$4 or send$4 or sent) near5 (reminder or second) near5 (message or alarm or alert) near5 worse$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	ON	2021/03/17 07:16

			DERWENT; IBM_TDB			
L23	10	((transmit$4 or send$4 or sent) near5 (reminder or second) near5 (message or alarm or alert) near5 worse$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/17 07:16
L24	26	((transmit$4 or send$4 or sent) near5 (reminder or second) near5 (message or alarm or alert) near5 deteriorat$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/17 07:24
L25	165	(transmit$4 or send$4 or sent) near5 (reminder or second) near5 (message or alarm or alert) near5 (deteriorat$4 or worse$4 or declin$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/17 08:06
L26	91	L25 and @ay<="2012"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/17 08:24
L27	151	L15 and ((transmit$4 or send$4 or sent) near5 (reminder) near5 (message or alarm or alert) near5 (time))	US-PGPUB; USPAT;	OR	ON	2021/03/17 08:53

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
L28	62	L27 and @ay<="2012"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/17 09:02
L29	20	L28 and (time near5 based near5 (type or severity))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/17 09:13
L30	10	("20080148148" | "20130117797" | "20150032826" | "20050027182" | "20070244666" | "20080316015" | "20140104058" | "20150172096" | "10856736" | "10869599").pn.	US-PGPUB; USPAT	OR	ON	2021/03/17 09:21
S1	153	(US-20140088392-$ or US-20120245447-$ or US-20120108934-$ or US-20110320130-$ or US-20110213225-$ or US-20140121488-$ or US-20130117696-$ or US-20120136221-$ or US-20130116526-$ or US-20130159456-$ or US-20050148890-$ or US-20040243941-$ or US-20130173742-$ or US-20050165627-$ or US-20150019231-$ or US-20140206976-$ or US-20130116578-$ or US-20130095459-$ or US-20130013327-$ or US-20080077435-$ or US-20120289787-$ or US-20120277543-$ or US-20080157980-$ or US-20110161111-$ or US-20090088607-$ or US-20060293570-$).did. or (US-20060089542-$ or US-20090062696-$ or US-20110295127-$ or US-20110270347-$ or US-20160079787-$ or US-20090309756-$).did. or (US-9585563-$ or US-9730621-$ or US-8005546-$ or US-	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/16 07:42

		8653965-$ or US-8517941-$ or US-5648917-$).did. or (US-20050148890-$ or US-20080208069-$ or US-20020008625-$ or US-20100013639-$ or US-20120209088-$ or US-20080119710-$).did. or (US-9019106-$ or US-8364221-$ or US-6492901-$ or US-4688183-$ or US-7221282-$ or US-7528711-$ or US-7729202-$ or US-6847892-$ or US-8803683-$ or US-8912897-$).did. or (US-20070153993-$ or US-20130159039-$ or US-20110071765-$).did. or (US-6492901-$ or US-6522754-$ or US-8121861-$ or US-6992590-$).did. or (US-20140058805-$ or US-20100332023-$ or US-20090177517-$).did. or (US-8121861-$ or US-8548630-$ or US-7200779-$ or US-8821622-$ or US-7246156-$).did. or (US-20130173742-$ or US-20110199214-$ or US-20140207486-$ or US-20060010098-$).did. or (US-9585563-$ or US-9503526-$ or US-8467779-$).did. or (US-20170303785-$ or US-20060010098-$ or US-20080260119-$).did. or (US-8838217-$).did. or (US-20170303785-$ or US-20130117696-$ or US-20060010098-$ or US-20120136221-$ or US-20120108934-$).did. or (US-8912897-$ or US-8821622-$ or US-7256708-$ or US-8852115-$ or US-7899545-$ or US-7711811-$).did.				
S2	19	"8527449"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/16 13:50
S3	93	"7026929"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/16 15:20
S4	1	(US-7026929-$).did.	USPAT	OR	ON	2021/03/16 15:22

EAST Search History (Interference)

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3/17/2021 10:01:57 AM
C:\Users\fbalseca\Documents\EAST\Workspaces\15617977 (RCE3 Amendment).wsp

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet | 1 | of | 3

Complete if Known	
Application Number	15617977
Filing Date	06-08-2017
First Named Inventor	MENSINGER; Michael Robert
Art Unit	2685
Examiner Name	BALSECA, Franklin D.
Attorney Docket Number	0225-US12CON / DEXCOM.225C3

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	001	US-10856736	12-08-2020	MENSINGER; Michael Robert et al.	
	002	US-10869599	12-22-2020	MENSINGER; Michael Robert et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3]-Number[4]-Kind Code[5] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T[6]
		None				

Examiner Signature		Date Considered	

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

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NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	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,page(s),volume-issue number(s),publisher, city and/or country where published.	T[2]
	001	Examination Report No. 2 from Australian Patent Application No. 2019200545, mailed on January 14, 2021, 4 pages- Atty. Docket No. DEXCOM.225AUD2.	☐
	002	Office Action for Canadian Application No. 3002096, mailed on January 27, 2021, 3 pages. Atty. Docket. No. DEXCOM.362CA.	☐
	003	Office Action from European Patent Application No. 13821308.7, dated February 3, 2021, 11 pages - Atty. Docket No. DEXCOM.225EP.	☐
	004	Office Action for Australian Application No. 2019200545, mailed on February 16, 2021, 3 pages. - Atty. Docket No. DEXCOM.225AUD2.	☐

Examiner Signature	/FRANKLIN D BALSECA/	Date Considered	03/16/2021

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Application Number	15617977
Filing Date	06-08-2017
First Named Inventor	MENSINGER; Michael Robert
Art Unit	2685
Examiner Name	BALSECA, Franklin D.
Attorney Docket Number	225USC9 / DEXCOM.225C3

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	001	US-20050027182	02-03-2005	SIDDIQUI; Uzair et al.	
	002	US-20070242666	10-18-2007	BARRETT; Timothy Alan	
	003	US-20080316015	12-25-2008	NAEDELE; Martin et al.	
	004	US-20140104058	04-17-2014	SHELEHEDA; Daniel et al.	
	005	US-20150172096	06-18-2015	SADOVSKY; Art et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3]-Number[4]-Kind Code[5] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T[6]
	001	JP-2004282541-A	10-07-2004	OMRON TATEISI ELECTRONICS CO.		☒

Examiner Signature		Date Considered	

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	001	Office Action for Canadian Application No. 2,886,791, mailed on November 04, 2020, 4 pages. Atty. Docket. No. DEXCOM. 225VCAA.	☐
	002	Office Action from Japanese Patent Application No. 2019-211605, dated November 9, 2020, 10 pages - Atty. Docket No. DEXCOM.225JPD2.	☒

Examiner Signature	/FRANKLIN D BALSECA/	Date Considered	03/16/2021

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	001	US-20080148148	06-19-2008	RAMANATHAN; Rajesh et al.	
	002	US-20130117797	05-09-2013	LAM; Khanh	
	003	US-20150032826	01-29-2015	GUNARATNAM; Vasanthan	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3]-Number[4]-Kind Code[5] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T[6]
	001	CN-101589393-A	11-25-2009	MEDAPPS INC [US]		☒
	002	CN-101601040-A	12-09-2009	MEDAPPS INC [US]		☒
	003	CN-102036718-A	04-27-2011	QUALCOMM INC.		☒

Examiner Signature		Date Considered	

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	001	Office Action for Chinese Application No. 201810548292.0, mailed on September 22, 2020, 16 pages - Atty. Docket No. 225VCND3.	☒
	002	Office Action for Chinese Application No. 201810549393.X, mailed on September 2, 2020, 11 pages - Atty. Docket No. 225VCND2.	☒

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U. S. PATENT DOCUMENTS

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	001	US-20090025063	01-22-2009	THOMAS; Kasman E.	
	002	US-20090097623	04-16-2009	BHARADWAJ; Gowrishankar	
	003	US-20100281409	11-04-2010	RAINISTO; Roope et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3]-Number[4]-Kind Code[5] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T[6]
	001	WO-2014105631-A2	07-03-2014	DEXCOM INC [US]		☐

Examiner Signature		Date Considered	

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NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	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,page(s),volume-issue number(s),publisher, city and/or country where published.	T[2]
	001	Office Action from Australian Patent Application No. 2019257401, mailed on May 04, 2021, 3 pages. - Atty. Docket. No. DEXCOM.362AUD1.	☐

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

UNITED STATES
PATENT AND TRADEMARK OFFICE

P.O. Box 1450
Alexandria, VA 22313 - 1450
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ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
15/617,977	**05/19/2021 07:14:31 PM ET**	**DEXCOM.225C3**

Title of Invention

REMOTE MONITORING OF ANALYTE MEASUREMENTS

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	8138	FILED BY	Alexa Terracin
PATENT CENTER #	60198128	FILING DATE	06/08/2017
CUSTOMER #	68851	FIRST NAMED INVENTOR	Michael Robert Mensinger
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Ian Gillies

Documents

TOTAL DOCUMENTS: 4

DOCUMENT		PAGES	DESCRIPTION	SIZE (KB)
WO2014105631_Dexcom.pdf		94	Foreign Reference	19414 KB
362AUD1_OA_04May2021.pdf		3	Other Reference-Patent/App/Search documents	449 KB
DEX225C3_20210519.pdf		3	-	38 KB
DEX225C3_20210519-IDS.pdf	(1-2)	2	Information Disclosure Statement (IDS) Form (SB08)	29 KB
DEX225C3_20210519-TRAN.LET.pdf	(3-3)	1	Transmittal Letter	16 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
WO2014105631_Dexcom.pdf	D9776746283B1A6D72F0A955774017002FFB3A0D9A510001742 62ABC714031F34338D9485DF29FCC3FFA46C6B3B146C18911 671135F80D23EED14011D37A5BCD
362AUD1_OA_04May2021.pdf	31D09B839311611922AD8727F7ED594577DF55AE41A1CF1B9E 78C34DAE60A706915124738817FAD78DC4A91EF6C3C0C88CE 460B78801E27A354A150A91CED56F
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New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for 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.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet | 3 | of | 3

Complete if Known	
Application Number	15/617,977
Filing Date	06-08-2017
First Named Inventor	MENSINGER; Michael Robert
Art Unit	2685
Examiner Name	BALSECA, Franklin D.
Attorney Docket Number	0225-US12CON / DEXCOM.225C3

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.

☐ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith. Please place these references in the file in accordance with 37 CFR 1.97(i).

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	/Ian W. Gillies/	Date (YYYY-MM-DD)	2021-05-19
Name/Print	Ian W. Gillies	Registration Number	62280

34955185:abt

UNITED STATES PATENT AND TRADEMARK OFFICE

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/617,977	06/08/2017	Michael Robert Mensinger	DEXCOM.225C3	8138

68851 7590 05/20/2021

KNOBBE, MARTENS, OLSON & BEAR, LLP
DEXCOM, INC.
2040 MAIN STREET
FOURTEENTH FLOOR
IRVINE, CA 92614

EXAMINER	
BALSECA, FRANKLIN D	

ART UNIT	PAPER NUMBER
2685	

NOTIFICATION DATE	DELIVERY MODE
05/20/2021	ELECTRONIC

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

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

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

efiling@knobbe.com
jayna.cartee@knobbe.com

Abbott Ex. 1002 - 760/848

Applicant-Initiated Interview Summary	**Application No.** 15/617,977	**Applicant(s)** Mensinger et al.		
	Examiner FRANKLIN D BALSECA	**Art Unit** 2685	**AIA (First Inventor to File) Status** No	**Page** 1 of 1

All Participants (applicant, applicants representative, PTO personnel)	**Title**	**Type**
FRANKLIN D BALSECA	Primary Examiner	WebEx/Video Conference
SAMIE LEIGH	Attorney	
ANKUR GARG	Attorney	
SHIRIN TEFAGH	Attorney of Record	

Date of Interview: 17 May 2021

Issues Discussed:

Proposed Amendment(s)

The applicant and the examiner discussed about applicant's proposed amendments. The applicant proposed to amend claim 1 with limitations that recite that the modifying of a setting by the remote monitor only modifies the setting for the remote monitor. The applicant and the examiner discussed the Goodnow reference used in the rejection and agreed that the Goodnow reference teaches that when modifying a setting, the setting that is modified is a setting for the whole host device and not only for the remote monitor. The examiner informed the applicant that the suggested amendment appears to overcome the prior art on record and that a new search will be needed if the amendment is filed in a proper response. No agreements were reached.

☑ Attachment

/FRANKLIN D BALSECA/ Examiner, Art Unit 2685	

Applicant is reminded that a complete written statement as to the substance of the interview must be made of record in the application file. It is the applicants responsibility to provide the written statement, unless the interview was initiated by the Examiner and the Examiner has indicated that a written summary will be provided. See MPEP 713.04
Please further see:
MPEP 713.04
Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews, paragraph (b)
37 CFR § 1.2 Business to be transacted in writing

Applicant recordation instructions: The formal written reply to the last Office action must include the substance of the interview. (See MPEP section 713.04). If a reply to the last Office action has already been filed, applicant is given a non-extendable period of the longer of one month or thirty days from this interview date, or the mailing date of this interview summary form, whichever is later, to file a statement of the substance of the interview.

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

PATTERSON + SHERIDAN LLP

ATTORNEYS AT LAW

FACSIMILE COVER SHEET

DATE: 5/13/2021 10:49:56 AM

SUBJECT/FILE NO:

TO: Examiner Balseca

FAX NO: 15712706966

COMPANY:

FROM: Samie Leigh

FAX NO: 713.623.4846

PAGE(S) with cover: 2

MESSAGE:

CONFIDENTIALITY NOTE

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INFORMAL COMMUNICATION – DO NOT ENTER

MEMORANDUM

TO: Examiner: Franklin D. Balseca
From: Shirin Tefagh, Reg. No. 67,407 and Ankur Garg, Reg. No. 62,463
RE: U.S. Application Serial No. 15/617,977
Telephonic Interview on May 17, 2021 @ 1PM EST

Thank you for agreeing to participate in a WebEx interview regarding the above-referenced patent application. Our email addresses for the conference are: shirin.tefagh@dexcom.com; AGarg@pattersonsheridan.com; and sleigh@pattersonsheridan.com. In advance of the interview, please find our proposed agenda below:

Discussion of the Rejection of Claim 1:

- Applicant would like to discuss the following features of claim 1 in view of the cited art: "a set of one or more rules that define **conditions for communications** between a secure server and the remote monitor," "wherein the set of one or more rules are generated according to one or more preferences or settings, wherein the **host device sets** a first setting of the one or more preferences or settings," and **"modifying, by the remote monitor, the first setting set by the host device."**
- The Office Action concedes that the combination of Valdes and Goodnow fail to provide for "set of one or more rules define conditions for communications between the secure server and the remote monitor." Indeed, the cited passage of Goodnow merely discloses defining or changing HCP access to data and editing the data. None of the "editing" is applied to "rules that define conditions for communications." Instead, the entered and edited data is used to create reports to monitor trends to review retrospectively and provide lifestyle recommendations. (Goodnow, para. 230) Thus, no immediate action is needed from a HCP, nor is there any motivation to create alerts to the HCP based on the reports. The Office Action alleges that Killen provides for "a set of one or more rules define conditions for communications between the secure server and the remote monitor." However, Killen provides for a doctor using "an analysis device to set up a listening alert for a particular patient" in a hospital setting. The doctor is the only person setting rules for alerts and the patient does not have any input into the process. Thus, nothing is being set by a patient and then modified by the doctor. Nor is there any motivation to enable setting alerts by the patient.
- Applicant would like to propose an amendment: "wherein modifying the first setting by the remote monitor only modifies the first setting for the remote monitor."

INFORMAL COMMUNICATION – DO NOT ENTER

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Inventor :	Michael Robert Mensinger	Conf. No. :	8138
App. No. :	15/617977	Filed :	June 8, 2017
Examiner :	Balseca, Franklin D.	Art Unit :	2685
Title :	REMOTE MONITORING OF ANALYTE MEASUREMENTS		

AMENDMENT AND REPLY TO FINAL OFFICE ACTION

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

Dear Commissioner:

In response to the final Office Action dated March 22, 2021, Applicant respectfully requests that the Examiner enter the following amendments and consider the following remarks.

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Summary of Interview begins on page 6 of this paper.

Remarks/Arguments begin on page 7 of this paper.

Abbott Ex. 1002 - 764/848

PTO/SB/06 (09-11)
Approved for use through 1/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 15/617,977	Filing Date 06/08/2017	☐ 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 $80 =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*		x $420 =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).				
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))					
* If the difference in column 1 is less than zero, enter "0" in column 2.				TOTAL	

APPLICATION AS AMENDED - PART II

		(Column 1)		(Column 2)	(Column 3)			
AMENDMENT	06/09/2021	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 19	Minus	** 20	= 0		x $100 =	0
	Independent (37 CFR 1.16(h))	* 2	Minus	*** 3	= 0		x $480 =	0
	☐ Application Size Fee (37 CFR 1.16(s))							
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							
							TOTAL ADD'L FEE	0

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

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

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

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

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Inventor :	Michael Robert Mensinger	Conf. No. :	8138
App. No. :	15/617977	Filed :	June 8, 2017
Examiner :	Balseca, Franklin D.	Art Unit :	2685
Title :	REMOTE MONITORING OF ANALYTE MEASUREMENTS		

AMENDMENT AND REPLY TO FINAL OFFICE ACTION

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

Dear Commissioner:

In response to the final Office Action dated March 22, 2021, Applicant respectfully requests that the Examiner enter the following amendments and consider the following remarks.

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Summary of Interview begins on page 6 of this paper.

Remarks/Arguments begin on page 7 of this paper.

Abbott Ex. 1002 - 766/848

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method comprising:

identifying, by a remote monitor, a set of one or more rules that define conditions for communications between a secure server and the remote monitor, wherein the set of one or more rules are provided to the remote monitor by the secure server and associated with data associated with a receiver configured to monitor an analyte state of a host, ~~and~~ wherein the set of one or more rules are generated according to one or more preferences or settings from a host device, and wherein the host device sets a first setting of the one or more preferences or settings; and

modifying, by the remote monitor, at least one rule of the set of one or more rules wherein the set of one or more rules ~~includes~~ include a first rule defining an alert representative of an event associated with the analyte state of the host, the event being determined by the secure server based on a first measurement of the data associated with the receiver regarding the analyte state of the host at a first time, wherein the alert, when triggered at the first time, causes an alert message to be sent to the remote monitor from the secure server to notify the remote monitor of the event, wherein modifying the at least one rule of the set of one or more rules comprises modifying, by the remote monitor, the first setting set by the host device, and wherein modifying the first setting by the remote monitor modifies the first setting for the remote monitor without changing the first setting at the host device.

2. (Previously presented) The method of claim 1, wherein the at least one rule is the first rule, wherein modifying the first rule comprises varying a first threshold associated with a low level of glucose at the host, and wherein the event being determined by the secure server is further based on the first measurement indicating an analyte measurement that is lower than the first threshold.

3. (Previously presented) The method of claim 1, wherein the at least one rule is the first rule, wherein modifying the first rule comprises varying a second threshold associated with a high level of glucose at the host, and wherein the event being determined by the secure server is further based on the first measurement indicating an analyte measurement that is higher than the second threshold.

4. (Currently Amended) The method of claim 1, wherein the set of one or more rules further ~~comprises~~ comprise a second rule that defines a delay between when a notification message

Abbott Ex. 1002 - 767/848

is sent to the receiver and when the alert message is sent to the remote monitor, the method further comprising modifying the second rule by varying the delay.

5. – 7. (Cancelled)

8. (Currently Amended) An apparatus for remote monitoring of a host's analyte levels, the apparatus comprising:

at least one processor; and

at least one memory including code, which when executed by the at least one processor causes the apparatus to:

identify, by the apparatus, a set of one or more rules that define conditions for communications between a secure server and the apparatus, wherein the set of one or more rules are provided to the apparatus by the secure server and associated with data associated with a receiver configured to monitor an analyte state of a host, ~~and~~ wherein the set of one or more rules are generated according to one or more preferences or settings from a host device, and wherein the host device sets a first setting of the one or more preferences or settings; and

modify at least one rule of the set of one or more rules, wherein the set of one or more rules ~~includes~~ include a first rule defining an alert representative of an event associated with the analyte state of the host, the event being determined by the secure server based on a first measurement of the data associated with the receiver regarding the analyte state of the host at a first time, wherein the alert, when triggered at the first time, causes an alert message to be sent to the apparatus from the secure server to notify the apparatus of the event, wherein modifying the at least one rule of the set of one or more rules comprises modifying, by the apparatus, the first setting set by the host device, and wherein modifying the first setting by the apparatus modifies the first setting for the apparatus without changing the first setting at the host device.

9. (Previously presented) The apparatus of claim 8, wherein the at least one rule is the first rule, wherein modifying the first rule comprises varying a first threshold associated with a low level of glucose at the host, and wherein the event being determined by the secure server is further based on the first measurement indicating an analyte measurement that is lower than the first threshold.

10. (Previously presented) The apparatus of claim 8, wherein the at least one rule is the first rule, wherein modifying the first rule comprises varying a second threshold associated with a

Abbott Ex. 1002 - 768/848

high level of glucose at the host, and wherein the event being determined by the secure server is further based on the first measurement indicating an analyte measurement that is higher than the second threshold.

11. (Currently Amended) The apparatus of claim 8, wherein the set of one or more rules further ~~comprises~~ comprise a second rule that defines a delay between when a notification message is sent to the receiver and when the alert message is sent to the apparatus, and wherein the code further causes the apparatus to modify the second rule by varying the delay.

12. (Cancelled)

13. (Currently Amended) The apparatus of claim 24, wherein the invitation is associated with a set of recommended rule settings configured by the host device, and wherein the recommended rule settings are provided to the apparatus for acceptance or modification.

14. (Currently Amended) The apparatus of claim 24, wherein the apparatus is configured to accept the invitation responsive to user input at the apparatus, and wherein accepting the invitation, programmatically establishes an account associated with the apparatus at the secure server.

15. (Cancelled)

16. (Previously presented) The apparatus of claim 8, wherein the at least one rule is a second rule defining a time value as to when a reminder message is sent to the apparatus after the alert message is sent to the apparatus, the reminder message only being sent if the alert message has not been previously acknowledged by the apparatus and only if the event associated with the analyte state of the host has not changed, based on a second measurement of the data at a second time, after the alert message was sent.

17. (Previously presented) The method of claim 1, further comprising:

receiving, at the remote monitor, an invitation to access the secure server and the data associated with the receiver; and

providing, from the remote monitor to the secure server, an acceptance to the invitation.

18. (Currently Amended) The method of claim 17, wherein the invitation is associated with a set of recommended rule settings configured by the host device, and wherein the recommended rule settings are provided to the remote monitor for acceptance or modification.

Abbott Ex. 1002 - 769/848

19. (Currently Amended) The method of claim 17, wherein accepting the invitation, programmatically establishes an account associated with the remote monitor at the secure server.

20. (Currently Amended) The method of claim 1, wherein the set of one or more rules ~~comprises~~ comprise a second rule defining a time value as to when a reminder message is sent to the remote monitor after the alert message is sent to the remote monitor, the reminder message only being sent if the alert message has not been previously acknowledged by the remote monitor and only if the event associated with the analyte state of the host has not changed, based on a second measurement of the data at a second time, after the alert message was sent.

21. (Previously presented) The method of claim 20, wherein the at least one rule is the second rule.

22. (Previously presented) The method of claim 20, wherein the time value is determined based on a type or severity of the event triggering the alert.

23. (Previously presented) The method of claim 20, wherein the reminder message is only sent if the alert has not been previously acknowledged by the remote monitor and only if the event associated with the analyte state of the host further worsens.

24. (Previously presented) The apparatus of claim 8, wherein the code, when executed by the at least one processor further causes the apparatus to:

receive an invitation to access the secure server and the data associated with the receiver; and

provide an acceptance to the invitation.

Abbott Ex. 1002 - 770/848

SUMMARY OF INTERVIEW

Applicant would like to thank Examiner Franklin Balseca for the telephonic interview conducted on Monday, May 17, 2021 with Applicant's Representatives Shirin Tefagh (Reg. No. 67,407), Ankur Garg (Reg. No. 62,463), and Samie Leigh (Reg. No. 77,441). The rejection of claim 1 under § 103 was discussed. Amendments to claim 1 as made herein were discussed and similar amendments were made to independent clam 8. The Examiner agreed that the amendments appear to overcome the current rejection under § 103, but that further search and consideration would be needed.

Abbott Ex. 1002 - 771/848

REMARKS

This is intended as a full and complete response to the final Office Action dated March 22, 2021, having a shortened statutory period for response set to expire on June 22, 2021. No new matter is believed to have been introduced by the amendments. Claims 1 and 8 have been amended along the line discussed during the Examiner interview. Support for the claim amendments may be found in at least paragraphs [0161], [0166] and [0194] of the originally-filed specification.

Nonstatutory Double Patenting Rejection

Claims 1-4, 8-11, 13 and 14 are rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1-5 and 16-21 of U.S. Patent No. 9,585,563. Applicant respectfully traverses the rejection. However, in order to expedite the prosecution of this application and without agreeing with the merits of the grounds of the rejections, Applicant has substantially amended independent claims 1 and 8 as above. In view of the substantial amendment, the nonstatutory double patenting rejection may not be appropriate. Applicant will address any nonstatutory double patenting rejections, if necessary, after the remaining rejections are overcome.

Discussion of Claim Rejections under 35 U.S.C. § 103

The Examiner rejected Claims 1-3 and 8-10 under pre-AIA 35 U.S.C. § 103(a) as allegedly being unpatentable over U.S. Pat. Pub. No. 2012/0108934 (hereinafter referred to as Valdes), in view of U.S. Pat. Pub. No. 2006/0010098 (hereinafter referred to as Goodnow), and U.S. Pat. Pub. No. 2012/0136221 (hereinafter referred to as Killen). The Examiner rejected Claims 4 and 11 under pre-AIA 35 U.S.C. § 103(a) as allegedly being unpatentable over Valdes in view of Goodnow and further in view of U.S. Pat. Pub. No. 2013/0117696 (hereinafter referred to as Robertson) and U.S. Pat. Pub. No. 2005/0148890 (hereinafter referred to as Hastings). The Examiner rejected Claims 17 and 24 under pre-AIA 35 U.S.C. § 103(a) as allegedly being unpatentable over Valdes in view of Goodnow and Killen and further in view of Robertson. The Examiner rejected Claims 13 and 18 under pre-AIA 35 U.S.C. § 103(a) as allegedly being unpatentable over Valdes in view of Goodnow,

Killen and Robertson, and further in view of U.S. Pat. Pub. No. 2013/0173742 (hereinafter referred to as Thomas). The Examiner rejected Claims 14 and 19 under pre-AIA 35 U.S.C. § 103(a) as allegedly being unpatentable over Valdes in view of Goodnow, Killen and Robertson, and further in view of U.S. Pat. Pub. No. 2013/0159456 (hereinafter referred to as Daoud). The Examiner rejected Claims 16, 20 and 21 under pre-AIA 35 U.S.C. § 103(a) as allegedly being unpatentable over Valdes in view of Goodnow and Killen, and further in view of U.S. Pat. No. 8,912,897 (hereinafter referred to as Carnes) and U.S. Pat. No. 8,821,622 (hereinafter referred to as Manahan). The Examiner rejected Claim 22 under pre-AIA 35 U.S.C. § 103(a) as allegedly being unpatentable over Valdes in view of Goodnow, Killen, Carnes and Manahan and further in view of U.S. Pat. No. 8,527,449 (hereinafter referred to as Gajic). The Examiner rejected Claim 23 under pre-AIA 35 U.S.C. § 103(a) as allegedly being unpatentable over Valdes in view of Goodnow, Killen, Carnes and Manahan and further in view of U.S. Pat. No. 7,026,929 (hereinafter referred to as Wallace).

For obviousness under 35 U.S.C. § 103(a), each and every limitation must be taught or suggested by the prior art reference, or references when combined or modified (MPEP 2143). It should therefore be noted that Applicant need only point out a single limitation in each claim that is not disclosed, taught, or suggested by any reference identified in the Final Office Action ("FOA") to overcome the prior art-based rejections. The following discussion therefore should not be construed as an exhaustive listing of every distinguishing feature set forth in the claims.

Applicant respectfully submits that the cited references, either alone or in combination, do not disclose, teach, or suggest all of the features of currently amended claim 1. For example, the combination of the cited references does not disclose, teach, or suggest: "identifying, by a remote monitor, a set of one or more rules that define **conditions for communications** between a secure server and the remote monitor, wherein the set of one or more rules are provided to the remote monitor by the secure server and associated with the data associated with a receiver configured to monitor an analyte state of a host, wherein the set of one or more rules are generated according to one or more preferences or settings from a host device, and **wherein the host device sets a first setting of the one or more preferences or settings**..." and "modifying, by the remote monitor, at least one rule of the set of one or more rules, wherein the set of one or more rules include a first rule defining an alert ... when triggered at the first

time, causes an alert message to be sent to the remote monitor from the secure server to notify the remote monitor of the event, wherein modifying the at least one rule of the set of one or more rules comprises modifying, by the remote monitor, the first setting set by the host device, and wherein modifying the first setting by the remote monitor modifies the first setting for the remote **monitor without changing the first setting at the host device**," as recited in claim 1.

The FOA acknowledges that Valdes does not teach "identifying, by a remote monitor, a set of one or more rules that define conditions between a secure server and the remote monitor and . . . modifying, by the remote monitor, at least one rule of the set of one or more rules." FOA, page 4. However, the FOA combines Valdes and Goodnow and alleges that:

> [I]t would have been obvious for one of ordinary skill in the art ... to use Goodnow's teachings of setting up rules using a host device and permitting a remote monitor device to modify those rules in the method taught by Valdes because it will permit a patient and a caregiver, which may have more knowledge about the proper target values for the patient, to adjust rules that will permit more accurately know the actual analyte state of the host.

FOA, page 5.

Although Applicant does not necessarily agree with the FOA, Applicant asserts that, *arguendo*, even if the arguments by the FOA were taken to be true, Goodnow and Valdes still do not teach, suggest, or otherwise render obvious, "wherein modifying the first setting by the remote monitor modifies the first setting for the remote monitor **without changing the first setting at the host device**," as claimed. In particular, the first setting set by the host device is not affected for the host device when it is modified for the remote monitor. Instead, the remote monitor modifies the first setting for *only* the remote monitor.

In contrast, Goodnow describes a patient that downloads an application on a personal computer (PC) and uploads glucose data to the PC using the application. *See* paragraph [0206]-[0218] of Goodnow. The data uploaded to the PC can be shared through the application with a host server that is in communication with a PC that executes the same type of application and is operated by a health care professional (HCP). *See id.* Using the application, the patient is able to "select a Glucose Targets tab to enter target glucose ranges." *See id.* at paragraph [0235]. "The target ranges that are set are displayed on a graph on the Screen illustrated at FIG. 20, as well as in many other reports that can be generated by the System." *Id.* "The ranges may be displayed in Signal colors for easy viewing." *Id.* The user in Goodnow is able to allow an HCP

to view and edit data that the user inputs in the application "including event data, glucose targets, the user's prescribed plan …" *See id.* at paragraph [0409].

Indeed, Goodnow merely discloses defining or changing HCP access to data and editing the data. The editing modifies ***shared*** data and the changes are reflected on the user's device. A skilled person would not be motivated to modify Goodnow to enable the HCP to modify data which is only modified on the HCP device since the purpose of Goodnow is to provide lifestyle suggestions to the user remotely by providing modifications. Moreover, the data that is being modified in Goodnow is not "a set of one or more rules that define conditions for communications."

Killen fails to remedy the deficiencies described above. Killen describes a system having a measuring device 6 and an analysis device 8. "The measuring device 6 is used by a hospital employee, such as a nurse, to periodically record a set of vital signs for one or more patients," medical practitioners then can "receive their messages using the analysis device 8, and decide how to react." *See* paragraphs 112 and 116 of Killen. In paragraphs 143 and 154 of Killen cited in the FOA, it is described that "a doctor may use the analysis device to set up a listening alert for a particular patient." Therefore in Killen, the doctor is the only person setting rules for alerts and the patient does not have any input into the process because the system of Killen deals with a hospital environment. Therefore, there is no teaching of "identifying, by a remote monitor, a set of one or more rules that define conditions for communications between a secure server and the remote monitor, wherein the set of one or more rules are provided to the remote monitor by the secure server and associated with the data associated with a receiver configured to monitor an analyte state of a host, wherein the set of one or more rules are generated according to one or more preferences or settings from a host device, and **wherein the host device sets a first setting of the one or more preferences or settings**..." and "modifying, by the remote monitor, at least one rule of the set of one or more rules, wherein the set of one or more rules includes a first rule defining an alert … when triggered at the first time, causes an alert message to be sent to the remote monitor from the secure server to notify the remote monitor of the event, wherein modifying the at least one rule of the set of one or more rules comprises **modifying, by the remote monitor, the first setting set by the host device,** and wherein modifying the first setting by the remote monitor modifies the first setting for the remote monitor **without changing the first setting at the host device**."

A skilled person would not be motivated to combine Goodnow with Killen because Killen, which is in a hospital environment, teaches away from giving control to the patient as permitted by Goodnow, and modifying Goodnow in view of Killen would frustrate the purpose of Goodnow, which is to provide a way for a patient to have control over data. The HCP in Goodnow would have no use for making edits to data which is only applied to the HCP application since Goodnow is directed to management of data and identifying trends that can be used to educate persons with diabetes to improve their glucose control by sticking to lifestyle recommendations and medication plans. *See* paragraphs [0202], [0209] of Goodnow. The HCP of Goodnow can be engaged to establish insulin adjustment tables and prescribed plans that can be followed by the home users. *See, id.,* paragraphs [0376], [0377]. The pre-populated tables and plans of Goodnow are considered "convenient" references for self-management of home users. Nothing in the teachings of Goodnow or Killen would motivate a skilled person to modify the self-managing home users of Goodnow, with the close monitoring of hospital patients of Killen which provides all monitoring and control to the HCP.

The combination of the cited references, therefore, fails to disclose, teach, or suggest all of the features of claim 1. Further, the remaining cited art does not cure the discussed deficiencies of the cited references, nor is it used in such a manner. Accordingly, Applicant respectfully submits that claim 1 is in condition for allowance. Claim 8 recites similar features as claim 1 and is therefore also in condition for allowance. The remaining claims are dependent on one of the independent claims and are therefore allowable at least based on their dependency.

Claim 23 recites, "wherein the reminder message is only sent if the alert has not been previously acknowledged by the remote monitor and only if the event associated with the analyte state of the host further worsens." Claim 23 is not obvious for at least the reasons provided above for claim 1 on which it depends. Additionally, claim 23 is not obvious because none of the references of record teach or suggest the additional features of claim 23. The FOA concedes that the combination of Valdes, Goodnow, Killen, Carnes and Manahan, as applied to claim 20, fail to teach that the reminder message is also sent only if the event associated with the analyte state of the host further worsens. In an effort to remedy the deficiencies of the cited references, the FOA alleges that Wallace provides the concept of sending a second message about a detected event when data indicates that the data has reached a second threshold that indicates that the monitored condition has further deteriorated. The cited passage of Wallace

Abbott Ex. 1002 - 776/848

describes a first threshold alarm for a battery that is being depleted and a second threshold alarm for a further depletion of the battery, such as levels corresponding to 10 and 2 hours. The battery monitoring system further responds by conserving slowly depleting battery. *See e.g.,* columns 19, 20 of Wallace.

In contrast, Carnes is directed to a patient monitoring system including alert systems, including conditions such as blood pressure. The system is designed to prevent alarm fatigue. The conditions monitored can hover at a threshold that activates the triggers when they dip below or rise above the threshold at a frequent basis. *See* Abstract, column 1, lines 48-50 of Carnes. Instead of retriggering the alarm, a reminder message can be set to recheck the patient after a timed interval. The FOA alleges that it would have been obvious to use Carnes's teachings of setting a time to send a reminder message in the method taught by the combination because it will permit the user of the remote monitor to configure the time a reminder message is sent and to prevent that alerts are left unattended. *See* page 13 of FOA. Applicant respectfully disagrees. A skilled person would not be motivated to combine a way to minimize alarms from crossing thresholds for hovering conditions of Carnes with the battery of Wallace. Indeed, the patient conditions of Carnes may never reach a second threshold since conditions such as blood pressure can waver around a value for prolonged periods of time. In contrast, the batteries of Wallace, are only depleted in a single level condition from full to empty. Additionally, Applicant submits that Wallace cannot be combined with the other cited references because Wallace is not analogous art. Manahan, which is directed to an alert system for an explosion-proof enclosure is also not an analogous and fails to remedy the deficiencies of Wallace. For at least this additional reason, claim 23 is not obvious over the cited references.

No Disclaimers or Disavowals

Although the present communication may include alterations to the application or claims, or characterizations of claim scope or referenced art, Applicant is not conceding in this application that previously pending claims are not patentable over the cited references. Rather, any alterations or characterizations are being made to facilitate expeditious prosecution of this application. Applicant reserves the right to pursue at a later date any previously pending or other broader or narrower claims that capture any subject matter supported by the present disclosure, including subject matter found to be specifically disclaimed herein or by any prior prosecution.

Abbott Ex. 1002 - 777/848

Accordingly, reviewers of this or any parent, child or related prosecution history shall not reasonably infer that Applicant has made any disclaimers or disavowals of any subject matter supported by the present application.

Any remarks in support of patentability of one claim should not be imputed to any other claim, even if similar terminology is used. Any language or remarks referring to only a portion of a claim should not necessarily be understood to base patentability on solely that portion; rather, patentability rests on each claim taken as a whole.

Applicant respectfully submits that to the extent any disclaimers or statements were made previously during prosecution with respect to the scope of the claimed invention, such disclaimers and statements are hereby rescinded.

Applicant respectfully reserves the ability to traverse any of the rejections, assertions and submissions made in connection with the application, even if not discussed herein, including the right to challenge later whether any of the cited references is prior art. The absence of a reply to a specific rejection, issue, or comment does not signify agreement with or concession of that rejection, issue, or comment. In addition, because any arguments made may not be exhaustive, there may be other reasons that have not been expressed for patentability of any or all claims. When amendments are made to any claims, no acquiescence or estoppel is implied thereby; such amendments are made only to expedite prosecution of the present application and are without prejudice to the presentation or assertion, in the future, of claims directed to subject matter that is same as or similar to that previously presented. Nothing in this paper should be construed as an intent to concede, or actual concession of, any issue with regard to any claim, or to any cited art, except as specifically stated in this paper, and the amendment or cancellation of any claim does not necessarily signify concession of unpatentability of the claim prior to its amendment or cancellation.

Conclusion

Should the Examiner have any concerns that might prevent the prompt allowance of the application, the Examiner is respectfully invited to contact the undersigned at the telephone number below.

Abbott Ex. 1002 - 778/848

Please charge any additional fees, including any fees for additional extension of time, or credit overpayment to Deposit Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: June 9, 2021

By:/Heungsoo Choi/
Heungsoo Choi
Registration No. 69,282
Registered Practitioner
(949) 290-8044

35114020

Abbott Ex. 1002 - 779/848

Electronic Acknowledgement Receipt

EFS ID:	42944686
Application Number:	15617977
International Application Number:	
Confirmation Number:	8138
Title of Invention:	REMOTE MONITORING OF ANALYTE MEASUREMENTS
First Named Inventor/Applicant Name:	Michael Robert Mensinger
Customer Number:	68851
Filer:	Heungsoo Choi/Fabiola Esmerio
Filer Authorized By:	Heungsoo Choi
Attorney Docket Number:	DEXCOM.225C3
Receipt Date:	09-JUN-2021
Filing Date:	08-JUN-2017
Time Stamp:	17:34:31
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		OA_Response_DEXCOM-225C3.pdf	99716 4ba59ddc43a3ccb2d56b44a634ac8456e9fbe7b1	yes	14

	Multipart Description/PDF files in .zip description		
	Document Description	**Start**	**End**
	Response After Final Action	1	1
	Claims	2	5
	Applicant summary of interview with examiner	6	6
	Applicant Arguments/Remarks Made in an Amendment	7	14
Warnings:			
Information:			
	Total Files Size (in bytes):	99716	

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/617,977	06/08/2017	Michael Robert Mensinger	DEXCOM.225C3	8138

68851 7590 06/28/2021

KNOBBE, MARTENS, OLSON & BEAR, LLP
DEXCOM, INC.
2040 MAIN STREET
FOURTEENTH FLOOR
IRVINE, CA 92614

EXAMINER	
BALSECA, FRANKLIN D	

ART UNIT	PAPER NUMBER
2685	

NOTIFICATION DATE	DELIVERY MODE
06/28/2021	ELECTRONIC

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

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

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

efiling@knobbe.com
jayna.cartee@knobbe.com

Advisory Action Before the Filing of an Appeal Brief	**Application No.** 15/617,977	**Applicant(s)** Mensinger et al.	
	Examiner FRANKLIN D BALSECA	**Art Unit** 2685	**AIA (FITF) Status** No

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

THE REPLY FILED 09 June 2021 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 Continuation Sheet (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: _____.
13. ☐ Note the attached Information *Disclosure Statement*(s). (PTO/SB/08) Paper No(s). _____
14. ☐ Other: _____.

STATUS OF CLAIMS

15. The status of the claim(s) is (or will be) as follows:
    Claim(s) allowed:_____.
    Claim(s) objected to:_____.
    Claim(s) rejected:1-4,8-11,13-14 and 16-24.
    Claim(s) withdrawn from consideration:_____.

/FRANKLIN D BALSECA/ Examiner, Art Unit 2685	

Abbott Ex. 1002 - 783/848

Continuation of 3. NOTE: The independent claims were amended with limitations that were not previously claimed. The new limitations appear to overcome the current prior art but they raise new issues that would require further search and consideration. Therefore, the amendments have not been entered.

DEXCOM.225C3 PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Inventor :	Michael Robert Mensinger	Conf. No. :	8138
App. No. :	15/617977	Filed :	June 8, 2017
Examiner :	Balseca, Franklin D.	Art Unit :	2685
Title :	REMOTE MONITORING OF ANALYTE MEASUREMENTS		

AMENDMENT AND REPLY TO FINAL OFFICE ACTION

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

Dear Commissioner:

In response to the final Office Action dated March 22, 2021, Applicant respectfully requests that the Examiner enter the following amendments and consider the following remarks.

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Summary of Interview begins on page 6 of this paper.

Remarks/Arguments begin on page 7 of this paper.

Abbott Ex. 1002 - 785/848

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 15/617,977	Filing Date 06/08/2017	☐ 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 $80 =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*		x $420 =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).				
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))					
* If the difference in column 1 is less than zero, enter "0" in column 2.				TOTAL	

APPLICATION AS AMENDED - PART II

		(Column 1)		(Column 2)	(Column 3)			
AMENDMENT	06/29/2021	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 19	Minus	** 20	= 0		x $100 =	0
	Independent (37 CFR 1.16(h))	* 2	Minus	*** 3	= 0		x $480 =	0
	☐ Application Size Fee (37 CFR 1.16(s))							
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							
							TOTAL ADD'L FEE	0

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

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

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

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

PTO/SB/30EFS (02-18)
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 contains a valid OMB control number.

REQUEST FOR CONTINUED EXAMINATION(RCE)TRANSMITTAL
(Submitted Only via EFS-Web)

Application Number	15617977	Filing Date	2017-06-08	Docket Number (if applicable)	DEXCOM.225C3	Art Unit	2685
First Named Inventor	Michael Robert Mensinger			Examiner Name	Franklin D. Balseca		

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, 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 Please consider the Amendment filed on June 9, 2021

☐ 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 111410

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

☒ Patent Practitioner Signature

☐ Applicant Signature

PTO/SB/30EFS (02-18)
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 contains a valid OMB control number.

Signature of Registered U.S. Patent Practitioner			
Signature	/Heungsoo Choi/	Date (YYYY-MM-DD)	2021-06-29
Name	Heungsoo Choi	Registration Number	69282

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.

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.

UNITED STATES
PATENT AND TRADEMARK OFFICE

P.O. Box 1450
Alexandria, VA 22313 - 1450
www.uspto.gov

ELECTRONIC PAYMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
15/617,977	06/29/2021 01:42:46 PM ET	DEXCOM.225C3

Title of Invention

REMOTE MONITORING OF ANALYTE MEASUREMENTS

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	8138	FILED BY	Ashley Camacho
PATENT CENTER #	60228000	AUTHORIZED BY	Neil Bartfeld
CUSTOMER #	68851	FILING DATE	06/08/2017
CORRESPONDENCE ADDRESS	-	FIRST NAMED INVENTOR	Michael Robert Mensinger

Payment Information

PAYMENT METHOD	PAYMENT TRANSACTION ID	PAYMENT AUTHORIZED BY
CARD / 2598	E20216SD44102751	Christina Graul

PRE-AUTHORIZED ACCOUNT	PRE-AUTHORIZED CATEGORY
111410	37 CFR 1.16 (National application filing, search, and examination fees); 37 CFR 1.17 (Patent application and reexamination processing fees)

FEE CODE	DESCRIPTION	ITEM PRICE($)	QUANTITY	ITEM TOTAL($)
1251	EXTENSION FOR RESPONSE WITHIN FIRST MONTH	220.00	1	220.00
1820	REQUEST FOR CONTINUED EXAMINATION (RCE)- 2ND AND SUBSEQUENT REQUEST (SEE 37 CFR 1.114)	2000.00	1	2000.00
			TOTAL AMOUNT:	$2,220.00

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 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

P.O. Box 1450
Alexandria, VA 22313 - 1450
www.uspto.gov

ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
15/617,977	**06/29/2021 01:42:46 PM ET**	**DEXCOM.225C3**

Title of Invention

REMOTE MONITORING OF ANALYTE MEASUREMENTS

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CUSTOMER #	68851	FIRST NAMED INVENTOR	Michael Robert Mensinger
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Neil Bartfeld

Documents

TOTAL DOCUMENTS: 1

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
RCE.pdf	3	Request for Continued Examination (RCE)	72 KB

Warning: This is not a USPTO supplied RCE fillable form. Data in the form cannot be automatically loaded to other USPTO systems.

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
RCE.pdf	ED6EB6B3952DE7C83F09FD30277527DCDBF773FC7A005B0B27F41C496D2757BF101F3CE0698B79AE5224C57D9293E4576F

D574372C8D7A1B9FDF102A6DB6B637

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 filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application

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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.

Doc Code: DIST.E.FILE Document Description: Electronic Terminal Disclaimer - Filed	PTO/SB/26 U.S. Patent and Trademark Office Department of Commerce

Electronic Petition Request	**TERMINAL DISCLAIMER TO OBVIATE A DOUBLE PATENTING REJECTION OVER A "PRIOR" PATENT**
Application Number	15617977
Filing Date	08-Jun-2017
First Named Inventor	Michael Mensinger
Attorney Docket Number	DEXCOM.225C3
Title of Invention	REMOTE MONITORING OF ANALYTE MEASUREMENTS

☒ Filing of terminal disclaimer does not obviate requirement for response under 37 CFR 1.111 to outstanding Office Action

☒ This electronic Terminal Disclaimer is not being used for a Joint Research Agreement.

Owner	Percent Interest
DexCom, Inc.	100%

The owner(s) with percent interest listed above in the instant application hereby disclaims, except as provided below, the terminal part of the statutory term of any patent granted on the instant application which would extend beyond the expiration date of the full statutory term of prior patent number(s)

9585563

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

In making the above disclaimer, the owner does not disclaim the terminal part of the term of any patent granted on the instant application that would extend to the expiration date of the full statutory term of the prior patent, "as the term of said prior patent is presently shortened by any terminal disclaimer," in the event that said prior patent later:
- expires for failure to pay a maintenance fee;
- is held unenforceable;
- is found invalid by a court of competent jurisdiction;
- is statutorily disclaimed in whole or terminally disclaimed under 37 CFR 1.321;
- has all claims canceled by a reexamination certificate;
- is reissued; or
- is in any manner terminated prior to the expiration of its full statutory term as presently shortened by any terminal disclaimer.

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

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

Applicant claims the following fee status:

○ Small Entity

○ Micro Entity

◉ Regular Undiscounted

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

THIS PORTION MUST BE COMPLETED BY THE SIGNATORY OR SIGNATORIES

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

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

Registration Number 69282

○ A sole inventor

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

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

Signature	/Heungsoo Choi/
Name	Heungsoo Choi

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

Electronic Patent Application Fee Transmittal

Application Number:	15617977
Filing Date:	08-Jun-2017
Title of Invention:	REMOTE MONITORING OF ANALYTE MEASUREMENTS
First Named Inventor/Applicant Name:	Michael Robert Mensinger
Filer:	Heungsoo Choi/Gustavo Lopez
Attorney Docket Number:	DEXCOM.225C3

Filed as Large Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
STATUTORY OR TERMINAL DISCLAIMER	1814	1	170	170
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension-of-Time:				
Miscellaneous:				
			Total in USD ($)	**170**

Doc Code: DISQ.E.FILE
Document Description: Electronic Terminal Disclaimer – Approved

Application No.: 15617977

Filing Date: 08-Jun-2017

Applicant/Patent under Reexamination: Mensinger

Electronic Terminal Disclaimer filed on August 24, 2021

☒ APPROVED

This patent is subject to a terminal disclaimer

☐ DISAPPROVED

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

U.S. Patent and Trademark Office

Electronic Acknowledgement Receipt

EFS ID:	43585377
Application Number:	15617977
International Application Number:	
Confirmation Number:	8138
Title of Invention:	REMOTE MONITORING OF ANALYTE MEASUREMENTS
First Named Inventor/Applicant Name:	Michael Robert Mensinger
Customer Number:	68851
Filer:	Heungsoo Choi/Gustavo Lopez
Filer Authorized By:	Heungsoo Choi
Attorney Docket Number:	DEXCOM.225C3
Receipt Date:	24-AUG-2021
Filing Date:	08-JUN-2017
Time Stamp:	14:45:51
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	$170
RAM confirmation Number	E20218NE45470469
Deposit Account	111410
Authorized User	Gustavo Lopez

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

37 CFR 1.16 (National application filing, search, and examination fees)

37 CFR 1.17 (Patent application and reexamination processing fees)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Terminal Disclaimer-Filed (Electronic)	eTerminal-Disclaimer.pdf	41206 87d2657e7d48056ee28efb20e7ab6a9bafc20cc5	no	2
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	38014 b827c5cb24eee417527aa8de4c2e06c9287a9920	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	79220		

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

UNITED STATES PATENT AND TRADEMARK OFFICE

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

NOTICE OF ALLOWANCE AND FEE(S) DUE

68851 7590 08/30/2021

Knobbe, Martens, Olson & Bear, LLP (DEXCOM)
DEXCOM, INC.
2040 MAIN STREET
FOURTEENTH FLOOR
IRVINE, CA 92614

EXAMINER
BALSECA, FRANKLIN D

ART UNIT	PAPER NUMBER
2685	

DATE MAILED: 08/30/2021

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/617,977	06/08/2017	Michael Robert Mensinger	DEXCOM.225C3	8138

TITLE OF INVENTION: REMOTE MONITORING OF ANALYTE MEASUREMENTS

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	$1200	$0.00	$0.00	$1200	11/30/2021

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)

68851 7590 08/30/2021

Knobbe, Martens, Olson & Bear, LLP (DEXCOM)
DEXCOM, INC.
2040 MAIN STREET
FOURTEENTH FLOOR
IRVINE, CA 92614

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

Certificate of Mailing or Transmission

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

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/617,977	06/08/2017	Michael Robert Mensinger	DEXCOM.225C3	8138

TITLE OF INVENTION: REMOTE MONITORING OF ANALYTE MEASUREMENTS

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	$1200	$0.00	$0.00	$1200	11/30/2021

EXAMINER	ART UNIT	CLASS-SUBCLASS
BALSECA, FRANKLIN D	2685	340-870020

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. _____

Abbott Ex. 1002 - 802/848

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.
15/617,977	06/08/2017	Michael Robert Mensinger	DEXCOM.225C3	8138

68851 7590 08/30/2021

Knobbe, Martens, Olson & Bear, LLP (DEXCOM)
DEXCOM, INC.
2040 MAIN STREET
FOURTEENTH FLOOR
IRVINE, CA 92614

EXAMINER	
BALSECA, FRANKLIN D	

ART UNIT	PAPER NUMBER
2685	

DATE MAILED: 08/30/2021

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.

Abbott Ex. 1002 - 803/848

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

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

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

Privacy Act Statement

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

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

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

Notice of Allowability	Application No. 15/617,977	Applicant(s) Mensinger et al.	
	Examiner FRANKLIN D BALSECA	Art Unit 2685	AIA (FITF) Status No

-- 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 RCE filed on June 29, 2021.
   ☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

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

3. ☑ The allowed claim(s) is/are 1-4,8-11,13-14 and 16-24 . As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see **http://www.uspto.gov/patents/init_events/pph/index.jsp** or send an inquiry to **PPHfeedback@uspto.gov.**

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

   Certified copies:

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

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

   * Certified copies not received: _____ .

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

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

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

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

Attachment(s)

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

/FRANKLIN D BALSECA/
Examiner, Art Unit 2685

Notice of Allowance

Terminal Disclaimer

1. The terminal disclaimer filed on August 24, 2021 has been accepted therefore the double patenting rejection of the last office action has been withdrawn.

Reasons for Allowance

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

In regards to claim 1 and 8, applicant's arguments filed on June 6, 2021, with respect to claim(s) 1 and 8 have been fully considered and are persuasive [see applicant's arguments pg. 8 last paragraph, pg. 9 last paragraph, pg. 10]. Therefore, the claim(s) is/are allowed.

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

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to FRANKLIN D BALSECA whose telephone number is (571)270-5966. The examiner can normally be reached on 6AM-4PM EST M-F.

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, Hai Phan can be reached on (571) 272-6338.

Information regarding the status of an application may be obtained from the Patent Application Retrieval (PAIR) system. Status information for published applications may be obtained from either 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. If you have questions on how to access to 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 US OR CANADA) or (571)272-1000.

/FRANKLIN D BALSECA/
Examiner, Art Unit 2685

Examiner-Initiated Interview Summary	**Application No.** 15/617,977	**Applicant(s)** Mensinger et al.		
	Examiner FRANKLIN D BALSECA	**Art Unit** 2685	**AIA (First Inventor to File) Status** No	**Page** 1 of 1

All Participants (applicant, applicants representative, PTO personnel)	**Title**	**Type**
FRANKLIN D BALSECA	Primary Examiner	Telephonic
SHIRIN TEFAGH	Attorney of Record	

Date of Interview: 23 August 2021

Issues Discussed:

Non-statutory Double Patenting

The examiner called the applicant to inform that the claims are in condition for allowance and that a terminal disclaimer had to be filed in order to overcome the double patenting rejection and place the application in condition for allowance. The applicant informed the examiner that a terminal disclaimer will be filed. The examiner informed the applicant when the terminal disclaimer is received, the notice of allowance will be mailed. No further agreements were reached.

/FRANKLIN D BALSECA/ Examiner, Art Unit 2685	

Applicant is reminded that a complete written statement as to the substance of the interview must be made of record in the application file. It is the applicants responsibility to provide the written statement, unless the interview was initiated by the Examiner and the Examiner has indicated that a written summary will be provided. See MPEP 713.04
Please further see:
MPEP 713.04
Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews, paragraph (b)
37 CFR § 1.2 Business to be transacted in writing

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

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

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15/617,977	Mensinger et al.
	Examiner	**Art Unit**
	FRANKLIN D BALSECA	2685

CPC								
Symbol							**Type**	**Version**
A61B	/	5	/	0004			F	2013-01-01
H04L	/	67	/	12			I	2013-01-01
A61B	/	5	/	1486			I	2013-01-01
A61B	/	5	/	0022			I	2013-01-01
A61B	/	5	/	14532			I	2013-01-01
A61B	/	5	/	743			I	2013-01-01
A61B	/	5	/	7282			I	2013-01-01
A61B	/	5	/	746			I	2013-01-01
A61B	/	5	/	0002			I	2013-01-01
A61B	/	5	/	145			I	2013-01-01
A61B	/	5	/	7264			I	2013-01-01
A61B	/	5	/	742			I	2013-01-01
G16H	/	40	/	67			I	2018-01-01
A61B	/	5	/	0015			A	2013-01-01
A61B	/	5	/	7465			A	2013-01-01
A61B	/	5	/	7435			A	2013-01-01
A61B	/	5	/	02			A	2013-01-01
A61B	/	5	/	0024			A	2013-01-01
H04Q	/	2209	/	00			A	2013-01-01
H04Q	/	9	/	00			A	2013-01-01
H04Q	/	2209	/	10			A	2013-01-01
H04Q	/	2209	/	50			A	2013-01-01
H04Q	/	2209	/	40			A	2013-01-01
H04Q	/	2209	/	70			A	2013-01-01
G16H	/	40	/	63			A	2018-01-01
G16H	/	15	/	00			A	2018-01-01
G16H	/	20	/	00			A	2018-01-01
A61B	/	5	/	14546			A	2013-01-01
G16H	/	10	/	60			A	2018-01-01
G16H	/	40	/	20			A	2018-01-01
G16H	/	50	/	70			A	2018-01-01

NONE		**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	19	
/FRANKLIN D BALSECA/ Examiner, Art Unit 2685	23 August 2021	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	8	2B

U.S. Patent and Trademark Office

Part of Paper No.: 20210823

Abbott Ex. 1002 - 809/848

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15/617,977	Mensinger et al.
	Examiner	**Art Unit**
	FRANKLIN D BALSECA	2685

CPC						
Symbol					**Type**	**Version**
G16H	/	50	/	20	A	2018-01-01
G16H	/	20	/	40	A	2018-01-01

CPC Combination Sets							
Symbol					**Type**	**Set**	**Ranking**	**Version**
	/		/					

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	19	
/FRANKLIN D BALSECA/ Examiner, Art Unit 2685	23 August 2021	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	8	2B

U.S. Patent and Trademark Office — Part of Paper No.: 20210823

Abbott Ex. 1002 - 810/848

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15/617,977	Mensinger et al.
	Examiner	Art Unit
	FRANKLIN D BALSECA	2685

INTERNATIONAL CLASSIFICATION				
CLAIMED				
A61B5/00	/	5	/	00
H04L29/08	/	29	/	08
A61B5/1486	/	5	/	1486
A61B5/145	/	5	/	145
G16H40/67	/	40	/	67
A61B5/02	/	5	/	02
H04Q9/00	/	9	/	00
G16H40/63	/	40	/	63
G16H15/00	/	15	/	00
G16H20/00	/	20	/	00
G16H10/60	/	10	/	60
G16H40/20	/	40	/	20
G16H50/70	/	50	/	70
G16H50/20	/	50	/	20
G16H20/40	/	20	/	40

NON-CLAIMED				
	/		/	

US ORIGINAL CLASSIFICATION	
CLASS	SUBCLASS

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

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	19	
/FRANKLIN D BALSECA/ Examiner, Art Unit 2685	23 August 2021	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	8	2B

U.S. Patent and Trademark Office

Part of Paper No.: 20210823

Abbott Ex. 1002 - 811/848

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15/617,977	Mensinger et al.
	Examiner	**Art Unit**
	FRANKLIN D BALSECA	2685

☐ 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	14	10	7	19										
2	2	15	11	8	20										
3	3		12	9	21										
4	4	18	13	10	22										
	5	19	14	11	23										
	6		15	17	24										
	7	16	16												
12	8	5	17												
13	9	6	18												

NONE		**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	19	
/FRANKLIN D BALSECA/ Examiner, Art Unit 2685	23 August 2021	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	8	2B

U.S. Patent and Trademark Office

Part of Paper No.: 20210823

Abbott Ex. 1002 - 812/848

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15/617,977	Mensinger et al.
	Examiner	**Art Unit**
	FRANKLIN D BALSECA	2685

✓	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	12/04/2017	06/22/2018	11/19/2018	08/06/2019	01/09/2020	06/08/2020	09/17/2020	03/17/2021	08/23/2021
1	1	✓	✓	✓	✓	✓	✓	✓	✓	=
2	2	✓	✓	✓	✓	✓	✓	✓	✓	=
3	3	✓	✓	✓	✓	✓	✓	✓	✓	=
4	4	✓	✓	✓	✓	✓	✓	✓	✓	=
	5	✓	-	-	-	-	-	-	-	-
	6	✓	✓	✓	✓	✓	✓	✓	-	-
	7	✓	✓	✓	✓	✓	✓	✓	-	-
12	8	✓	✓	✓	✓	✓	✓	✓	✓	=
13	9	✓	✓	✓	✓	✓	✓	✓	✓	=
14	10	✓	✓	✓	✓	✓	✓	✓	✓	=
15	11	✓	✓	✓	✓	✓	✓	✓	✓	=
	12	✓	-	-	-	-	-	-	-	-
18	13	✓	✓	✓	✓	✓	✓	✓	✓	=
19	14	✓	✓	✓	✓	✓	✓	✓	✓	=
	15		✓	✓	✓	✓	✓	✓	-	-
16	16		✓	✓	✓	✓	✓	✓	✓	=
5	17								✓	=
6	18								✓	=
7	19								✓	=
8	20								✓	=
9	21								✓	=
10	22								✓	=
11	23								✓	=
17	24								✓	=

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15/617,977	Mensinger et al.
	Examiner	Art Unit
	FRANKLIN D BALSECA	2685

CPC - Searched*		
Symbol	**Date**	**Examiner**
A61B5/0002,0004,0022,145,14532,7264,7282,742,743,746,0015,0024,02,7435,7465	12/04/2017	FB
G06F19/3418,30,32,34,3406,3487	12/04/2017	FB
H04L67/12	12/04/2017	FB
H04Q9/00	12/04/2017	FB
H04Q2209/00,10,40,50,82,823,826	12/04/2017	FB
Updated Search	06/21/2018	FB
Updated Search	11/19/2018	FB
Updated Search	08/06/2019	FB
G16H40/67,20,63	08/06/2019	FB
G16H20/00,40	08/06/2019	FB
G16H15/00	08/06/2019	FB
G16H50/70,20	08/06/2019	FB
H04Q2209/70	08/06/2019	FB
Updated Search	01/09/2020	FB
Updated Search	06/08/2020	FB
Updated Search	09/17/2020	FB
Updated Search	03/17/2021	FB
Updated Search	08/18/2021	FB

CPC Combination Sets - Searched*		
Symbol	**Date**	**Examiner**

/FRANKLIN D BALSECA/ Examiner, Art Unit 2685	

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15/617,977	Mensinger et al.
	Examiner	Art Unit
	FRANKLIN D BALSECA	2685

US Classification - Searched*			
Class	Subclass	Date	Examiner

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

/FRANKLIN D BALSECA/ Examiner, Art Unit 2685	

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15/617,977	Mensinger et al.
	Examiner	Art Unit
	FRANKLIN D BALSECA	2685

Search Notes		
Search Notes	**Date**	**Examiner**
Inventor Search	12/04/2017	FB
East Search	12/04/2017	FB
A61B5/ 0002,0004,0022,145,14532,7264,7282,742,743,746,0015,0024,02,7 435,7465 and text limited. See search history printout.	12/04/2017	FB
G06F19/3418,30,32,34,3406,3487 and text limited. See search history printout.	12/04/2017	FB
H04L67/12 and text limited. See search history printout.	12/04/2017	FB
H04Q9/00 and text limited. See search history printout.	12/04/2017	FB
H04Q2209/00,10,40,50,82,823,826 and text limited. See search history printout.	12/04/2017	FB
Updated East and text limited class search	06/21/2018	FB
Updated East and text limited class search	11/19/2018	FB
Updated East and text limited class search	08/06/2019	FB
G16H40/67,20,63 and text limited. See search history printout.	08/06/2019	FB
G16H20/40 and text limited. See search history printout.	08/06/2019	FB
G16H15/00 and text limited. See search history printout.	08/06/2019	FB
G16H50/70,20 and text limited. See search history printout.	08/06/2019	FB
H04Q2209/70 and text limited. See search history printout.	08/06/2019	FB
Updated Inventor Search	01/09/2020	FB
Updated East and text limited class search	01/09/2020	FB
Updated East and text limited class search	06/08/2020	FB
Updated East and text limited class search	09/17/2020	FB
Updated East and text limited class search	03/17/2021	FB
Updated Inventor Search	08/18/2021	FB
Global Dossier Search	08/18/2021	FB
Updated East and text limited class search		

/FRANKLIN D BALSECA/ Examiner, Art Unit 2685	

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	15/617,977	Mensinger et al.
	Examiner	Art Unit
	FRANKLIN D BALSECA	2685

Interference Search			
US Class/CPC Symbol	**US Subclass/CPC Group**	**Date**	**Examiner**
A61B5	0004,0002,0022,145,14532,1486,7264,7282,742,743,746,0015,0024,02,14556,7435,7465	08/23/2021	FB
G16H40	67,20,63	08/23/2021	FB
H04L67	12	08/23/2021	FB
G16H20	40,00	08/23/2021	FB
G16H10	60	08/23/2021	FB
G16H15	00	08/23/2021	FB
G16H50	70,20	08/23/2021	FB
H04Q9	00	08/23/2021	FB
H04Q2209	00,10,40,50,70	08/23/2021	FB

/FRANKLIN D BALSECA/ Examiner, Art Unit 2685	

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 3

Complete if Known	
Application Number	15/617,977
Filing Date	06-08-2017
First Named Inventor	MENSINGER; Michael Robert
Art Unit	2685
Examiner Name	BALSECA, Franklin D.
Attorney Docket Number	0225-US12CON / DEXCOM.225C3

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	001	US-20090025063	01-22-2009	THOMAS; Kasman E.	
	002	US-20090097623	04-16-2009	BHARADWAJ; Gowrishankar	
	003	US-20100281409	11-04-2010	RAINISTO; Roope et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3]-Number[4]-Kind Code[5] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T[6]
	001	WO-2014105631-A2	07-03-2014	DEXCOM INC [US]		☐

Examiner Signature	/FRANKLIN D BALSECA/	Date Considered	08/18/2021

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

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /F.D.B/

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 2 of 3

Complete if Known	
Application Number	15/617,977
Filing Date	06-08-2017
First Named Inventor	MENSINGER; Michael Robert
Art Unit	2685
Examiner Name	BALSECA, Franklin D.
Attorney Docket Number	0225-US12CON / DEXCOM.225C3

NON-PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.[1]	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,page(s),volume-issue number(s),publisher, city and/or country where published.	T[2]
	001	Office Action from Australian Patent Application No. 2019257401, mailed on May 04, 2021, 3 pages. - Atty. Docket. No. DEXCOM.362AUD1.	☐

Examiner Signature	/FRANKLIN D BALSECA/	Date Considered	08/18/2021

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /F.D.B/

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	159	(US-20140088392-$ or US-20120245447-$ or US-20120108934-$ or US-20110320130-$ or US-20110213225-$ or US-20140121488-$ or US-20130117696-$ or US-20120136221-$ or US-20130116526-$ or US-20130159456-$ or US-20050148890-$ or US-20040243941-$ or US-20130173742-$ or US-20050165627-$ or US-20150019231-$ or US-20140206976-$ or US-20130116578-$ or US-20130095459-$ or US-20130013327-$ or US-20080077435-$ or US-20120289787-$ or US-20120277543-$ or US-20080157980-$ or US-20110161111-$ or US-20090088607-$ or US-20060293570-$).did. or (US-20060089542-$ or US-20090062696-$ or US-20110295127-$ or US-20110270347-$ or US-20160079787-$ or US-20090309756-$).did. or (US-9585563-$ or US-9730621-$ or US-8005546-$ or US-8653965-$ or US-8517941-$ or US-5648917-$).did. or (US-20050148890-$ or US-20080208069-$ or US-20020008625-$ or US-20100013639-$ or US-20120209088-$ or US-20080119710-$).did. or (US-9019106-$ or US-8364221-$ or US-6492901-$ or US-4688183-$ or US-7221282-$ or US-7528711-$ or US-7729202-$ or US-6847892-$ or US-8803683-$ or US-8912897-$).did. or (US-20070153993-$ or US-20130159039-$ or US-20110071765-$).did. or (US-6492901-$ or US-6522754-$ or US-8121861-$ or US-6992590-$).did. or (US-20140058805-$ or US-20100332023-$ or US-20090177517-$).did. or (US-8121861-$ or US-8548630-$ or US-7200779-$ or US-8821622-$ or US-7246156-$).did. or (US-20130173742-$ or US-20110199214-$ or US-20140207486-$ or US-20060010098-$).did. or (US-9585563-$ or US-9503526-$ or US-8467779-$).did. or (US-20170303785-$ or US-20060010098-$ or US-20080260119-$).did. or (US-8838217-$).did. or (US-20170303785-$ or US-20130117696-$ or US-20060010098-$ or US-20120136221-$ or US-20120108934-$).did. or (US-8912897-$ or US-8821622-$ or US-7256708-$ or US-8852115-$ or US-7899545-$ or US-7711811-$).did. or (US-20050148890-$ or US-20170262614-$).did. or (US-8527449-$ or US-7026929-$).did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/08/18 13:40
S2	56	S1 and ((modif$4 or edit$4 or chang$4 or adjust$4) with (threshold or rule or setting or target or limit))	US-PGPUB; USPAT; USOCR	OR	ON	2021/08/18 13:46

			; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S3	8	("20090025063" | "20090097623" | "20100281409").pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/08/18 14:06
S4	586	((("MENSINGER") near3 ("Michael")) OR (("COHEN") near3 ("Eric")) OR (("MAYOU") near3 ("Phil")) OR (("REIHMAN") near3 ("Eli")) OR (("KOEHLER") near3 ("Katherine")) OR (("DRAEGER") near3 ("Rian")) OR (("TRAVEN") near3 ("Angela"))).INV.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2021/08/18 14:31
S5	670	((("DEXCOM") near3 ("INC"))).AS,AANM.	USPAT	OR	ON	2021/08/18 14:35
S6	3,675	((("DEXCOM") near3 ("INC"))).AS,AANM.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/08/18 14:36
S7	3,881	S4 or S6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	ON	2021/08/18 14:36

			DERWENT; IBM_TDB			
S8	24	S7 and (host).clm. and (server or (central near2 station)).clm. and (remote near2 monitor).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/08/18 14:38
S9	9	S8 and ((modif$4 or edit$4 or chang$4 or adjust$4) with (threshold or rule or setting or target or limit)).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/08/18 14:38
S10	4	"15617977"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/08/18 14:40
S11	78	((gluscose or analyte) near3 sensor) and (sever or cloud) and (access$4 near3 data near3 remot$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	2021/08/18 15:02

			IBM_TDB			
S12	0	S11 and @ay<="2012"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/08/18 15:06
S13	243	((glucose or analyte) near3 sensor) and (sever or cloud) and (access$4 near3 data near3 remot$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/08/18 15:06
S14	11	S13 and @ay<="2012"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/08/18 15:07
S15	10	S14 and ((modif$4 or edit$4 or chang$4 or adjust$4) with (threshold or rule or setting or target or limit))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/08/18 15:09

S16	377	((glucose or analyte) near3 sens$4) and (server or cloud) and (access$4 near3 data near3 remot$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/08/18 15:14
S17	174,071	A61B5/0002,0004,0022,145,14532,7264,7282,742,743,746, 0015,0024,02,7435,7465.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/08/18 15:20
S18	8,897	G06F19/3418,30,32,34,3406,3487.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/08/18 15:20
S19	94,003	H04L67/12.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/08/18 15:20
S20	33,982	H04Q9/00.cpc.	US-PGPUB;	OR	ON	2021/08/18 15:20

			USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S21	14,298	H04Q2209/00,10,40,50,82,823,826,70.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/08/18 15:21
S22	123,755	G16H40/67,20,63.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/08/18 15:21
S23	25,386	G16H20/00,40.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/08/18 15:21
S24	21,382	G16H15/00.cpc.	US-PGPUB; USPAT; USOCR; FPRS;	OR	ON	2021/08/18 15:21

			EPO; JPO; DERWENT; IBM_TDB			
S25	73,393	G16H50/70,20.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/08/18 15:22
S26	439,526	S17 or S18 or S19 or S20 or S21 or S22 or S23 or S24 or S25	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/08/18 15:22
S27	293	S16 and S26	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/08/18 15:37
S28	185	S27 and ((modif$4 or edit$4 or chang$4 or adjust$4) with (threshold or rule or setting or target or limit))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWE	OR	ON	2021/08/18 15:38

			NT; IBM_TDB			
S29	23	S28 and @ay<="2012"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/08/18 15:39
S30	378	((glucose or analyte) near3 sens$4) and (server or cloud) and (access$4 near3 data near3 remot$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/08/19 06:46
S31	242	S30 and ((modif$4 or edit$4 or chang$4 or adjust$4) with (threshold or rule or setting or target or limit))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/08/19 06:47
S32	24	S31 and @ay<="2012"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/08/19 06:47

S33	1,062	((glucose or analyte or physiological) near3 sens$4) and (server or cloud) and (access$4 near3 data near3 remot$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/08/19 06:50
S34	719	S33 and ((modif$4 or edit$4 or chang$4 or adjust$4) with (threshold or rule or setting or target or limit))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/08/19 06:55
S35	117	S34 and @ay<="2012"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/08/19 06:56

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	56,143	A61B5/0004,0002,0022,145,14532,1486,7264,7282,742,743,746,0015,0024,02,14556,7435,7465.cpc.	US-PGPUB; USPAT	OR	ON	2021/08/23 15:00

L2	48,350	G16H40/67,20,63.cpc.	US-PGPUB; USPAT	OR	ON	2021/08/23 15:00
L3	30,807	H04L67/12.cpc.	US-PGPUB; USPAT	OR	ON	2021/08/23 15:01
L4	9,028	G16H20/40,00.cpc.	US-PGPUB; USPAT	OR	ON	2021/08/23 15:01
L5	23,142	G16H10/60.cpc.	US-PGPUB; USPAT	OR	ON	2021/08/23 15:01
L6	8,487	G16H15/00.cpc.	US-PGPUB; USPAT	OR	ON	2021/08/23 15:01
L7	25,863	G16H50/70,20.cpc.	US-PGPUB; USPAT	OR	ON	2021/08/23 15:01
L8	8,867	H04Q9/00.cpc.	US-PGPUB; USPAT	OR	ON	2021/08/23 15:01
L9	3,332	H04Q2209/00,10,40,50,70.cpc.	US-PGPUB; USPAT	OR	ON	2021/08/23 15:02
L10	149,364	L1 or L2 or L3 or L4 or L5 or L6 or L7 or L8 or L9	US-PGPUB; USPAT	OR	ON	2021/08/23 15:02
L11	0	L10 and ((modify$4 or chang$4 or edit$4 or adjust$4) near3 (threshold or rule or setting)).cpc.	US-PGPUB;	OR	ON	2021/08/23 15:06

			USPAT			
L12	3,491	L10 and ((modify$4 or chang$4 or edit$4 or adjust$4) near3 (threshold or rule or setting)).clm.	US-PGPUB; USPAT	OR	ON	2021/08/23 15:12
L13	6	L12 and ((glucose or analyte) near3 (sens$4 or monitor$4)).clm. and (server or cloud).clm. and (access$4 near3 data near3 remot$4).clm.	US-PGPUB; USPAT	OR	ON	2021/08/23 15:14
L15	11	((glucose or analyte) near3 (sens$4 or monitor$4)).clm. and (server or cloud).clm. and (access$4 near3 data near3 remot$4).clm.	US-PGPUB; USPAT	OR	ON	2021/08/23 15:32
L16	6	L15 and ((modify$4 or chang$4 or edit$4 or adjust$4) near3 (threshold or rule or setting)).clm.	US-PGPUB; USPAT	OR	ON	2021/08/23 15:33

8/23/2021 3:34:06 PM
C:\Users\fbalseca\Documents\EAST\Workspaces\15617977 (RCE4).wsp

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

PTO/AIA/82A (07-13)
Approved for use through 03/31/2021. OMB 0651-0035
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TRANSMITTAL FOR POWER OF ATTORNEY TO ONE OR MORE REGISTERED PRACTITIONERS

NOTE: This form is to be submitted with the Power of Attorney by Applicant form (PTO/AIA/82B) to identify the application to which the Power of Attorney is directed, in accordance with 37 CFR 1.5, unless the application number and filing date are identified in the Power of Attorney by Applicant form. If neither form PTO/AIA/82A nor form PTO/AIA82B identifies the application to which the Power of Attorney is directed, the Power of Attorney will not be recognized in the application.

Application Number	15/617,977
Filing Date	June 8, 2017
First Named Inventor	Michael Mensinger
Title	REMOTE MONITORING OF ANALYTE MEASUREMENTS
Art Unit	2685
Examiner Name	FRANKLIN D BALSECA
Attorney Docket Number	0225-US12CON

SIGNATURE of Applicant or Patent Practitioner

Signature	/ Ankur Garg /	Date (Optional)	2021-11-28
Name	Ankur Garg	Registration Number	62,463
Title (if Applicant is a juristic entity)	Patent Attorney for Applicant		
Applicant Name (if Applicant is a juristic entity)	Dexcom, Inc.		

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

☑ *Total of 1 forms are submitted.

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

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

PTO/AIA/82B (07-13)
Approved for use through 03/31/2021. OMB 0651-0035
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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POWER OF ATTORNEY BY APPLICANT

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

Application Number	Filing Date

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

☑ I hereby appoint the Patent Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above: 184103

OR

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

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

☑ The address associated with the above-mentioned Customer Number

OR

☐ The address associated with Customer Number:

OR

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

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

Dexcom, Inc.

☐ Inventor or Joint Inventor (title not required below)
☐ Legal Representative of a Deceased or Legally Incapacitated Inventor (title not required below)
☑ Assignee or Person to Whom the Inventor is Under an Obligation to Assign (provide signer's title if applicant is a juristic entity)
☐ Person Who Otherwise Shows Sufficient Proprietary Interest (e.g., a petition under 37 CFR 1.46(b)(2) was granted in the application or is concurrently being filed with this document) (provide signer's title if applicant is a juristic entity)

SIGNATURE of Applicant for Patent

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

Signature		Date (Optional)	November 23, 2021
Name	Kaare Larson		
Title	Vice President of Intellectual Property		

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

☑ Total of 1 forms are submitted.

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

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PATENT AND TRADEMARK OFFICE

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ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
15/617,977	**11/28/2021 02:17:19 PM ET**	**DEXCOM.225C3**

Title of Invention

REMOTE MONITORING OF ANALYTE MEASUREMENTS

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	8138	FILED BY	Devon Goetzinger
PATENT CENTER #	60417530	FILING DATE	06/08/2017
CUSTOMER #	68851	FIRST NAMED INVENTOR	Michael Robert Mensinger
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Ankur Garg

Documents

TOTAL DOCUMENTS: 1

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
0225-US12CON.pdf	2	Power of Attorney	277 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
0225-US12CON.pdf	552155B71D9D49A2BBA5D91F583ECA928A324B09E30AC44B3 EA34C81844D0654CA93CFD422A7AD4F1CE7205DDB5F8B328 0BD890C54BD9DE5DAA9F2CF58D04B19

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 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.

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)

68851 7590 08/30/2021

Knobbe, Martens, Olson & Bear, LLP (DEXCOM)
DEXCOM, INC.
2040 MAIN STREET
FOURTEENTH FLOOR
IRVINE, CA 92614

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

Certificate of Mailing or Transmission

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

(Typed or printed name)

(Signature)

(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/617,977	06/08/2017	Michael Robert Mensinger	DEXCOM.225C3	8138

TITLE OF INVENTION: REMOTE MONITORING OF ANALYTE MEASUREMENTS

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	$1200	$0.00	$0.00	$1200	11/30/2021

EXAMINER	ART UNIT	CLASS-SUBCLASS
BALSECA, FRANKLIN D	2685	340-870020

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 Knobbe Martens
2 Olson & Bear LLP
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: DexCom, Inc.

(B) RESIDENCE: (CITY and STATE OR COUNTRY): San Diego, California

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. 11-1410

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 /Heungsoo Choi/ Date 11/29/21

Typed or printed name Heungsoo Choi Registration No. 69282

Abbott Ex. 1002 - 835/848

Electronic Patent Application Fee Transmittal

Application Number:	15617977
Filing Date:	08-Jun-2017
Title of Invention:	REMOTE MONITORING OF ANALYTE MEASUREMENTS
First Named Inventor/Applicant Name:	Michael Robert Mensinger
Filer:	Heungsoo Choi/Tristan Rust
Attorney Docket Number:	0225-US12CON

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	1200	1200

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension-of-Time:				
Miscellaneous:				
			Total in USD ($)	**1200**

Electronic Acknowledgement Receipt

EFS ID:	44386650
Application Number:	15617977
International Application Number:	
Confirmation Number:	8138
Title of Invention:	REMOTE MONITORING OF ANALYTE MEASUREMENTS
First Named Inventor/Applicant Name:	Michael Robert Mensinger
Customer Number:	184103
Filer:	Heungsoo Choi/Fabiola Esmerio
Filer Authorized By:	Heungsoo Choi
Attorney Docket Number:	0225-US12CON
Receipt Date:	29-NOV-2021
Filing Date:	08-JUN-2017
Time Stamp:	19:17:18
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	$1200
RAM confirmation Number	E2021ASJ17411613
Deposit Account	111410
Authorized User	Fabiola Esmerio

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

37 CFR 1.16 (National application filing, search, and examination fees)

37 CFR 1.17 (Patent application and reexamination processing fees)

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)	IssueFee.pdf	208334 d1df22a60f74a0c569419073fca4233443d1c2c5	no	1
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	37633 17d71e57c2485c3087ced161b75d26c9257dbf50	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	245967		

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
15/617,977	06/08/2017	Michael Robert Mensinger	0225-US12CON

CONFIRMATION NO. 8138

184103
PATTERSON + SHERIDAN, L.L.P. - Dexcom
24 Greenway Plaza, Suite 1600
Houston, TX 77046

POA ACCEPTANCE LETTER

OC000000130093030

Date Mailed: 12/01/2021

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 11/28/2021.

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

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

/ttran/

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

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
15/617,977	06/08/2017	Michael Robert Mensinger	DEXCOM.225C3

CONFIRMATION NO. 8138

POWER OF ATTORNEY NOTICE

68851
Knobbe, Martens, Olson & Bear, LLP (DEXCOM)
DEXCOM, INC.
2040 MAIN STREET
FOURTEENTH FLOOR
IRVINE, CA 92614

OC00000130093010

Date Mailed: 12/01/2021

NOTICE REGARDING CHANGE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 11/28/2021.

- The Power of Attorney to you in this application has been revoked by the applicant. Future correspondence will be mailed to the new address of record(37 CFR 1.33).

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

/ttran/

Abbott Ex. 1002 - 841/848

PTO/SB/08a (07-09)
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.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 4 of 7

Complete if Known	
Application Number	15/617977
Filing Date	06/08/2017
First Named Inventor	Mensinger, Michael Robert
Art Unit	3735
Examiner Name	To be assigned
Attorney Docket Number	225C9

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number: Number-Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	58	US- 2008-0319296	12-25-2008	Bernstein et al.	
	59	US- 2009-0005703	01-01-2009	Fasciano, Robert W.	
	60	US- 2009-0203973	08-13-2009	Donoghue et al.	
	61	US- 2010-0082364	04-01-2010	Taub et al.	
	62	US- 2010-0088387	04-08-2010	Calamera, Pablo M.	
	63	US- 2010-0131294	05-27-2010	Venon et al.	
	64	US- 2010-0191075	07-29-2010	Angelides	
	65	US- 2010-0249625	09-30-2010	Lin, Dongping	
	66	US- 2010-0265073	10-21-2010	Harper, Wesley Scott	
	67	US- 2010-0030596 02/2010	~~12-02-2010~~	~~Benjamin et al.~~ Johari	
	68	US- 2010-0313105	12-09-2010	Nekoomaram et al.	
	69	US- 2011-0105854	05-05-2011	Kiani et al.	
	70	US- 2011-0119080	05-19-2011	Hayter et al.	
	71	US- 2011-0124996	05-26-2011	Rineke, Robert E.	
	72	US- 2011-0149759	06-23-2011	Jollota, James	
	73	US- 2011-0152970	06-23-2011	Jollota et al.	
	74	US- 2011-0160544	06-30-2011	Hayter, Gary A.	
	75	US- 2011-0161111	06-30-2011	Dicks et al.	
	76	US- 2011-0213225	09-01-2011	Bernstein et al.	

Change(s) applied to document, /S.D./ 9/2/2021

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document: Country Code[3] Number[4] Kind Code[5] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T[6]

Examiner Signature		Date Considered	

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

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

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08a (07-09)
Approved for use through 07/31/2010. 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.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 7

Complete if Known	
Application Number	15/617977
Filing Date	06/08/2017
First Named Inventor	Mensinger, Michael Robert
Art Unit	3735
Examiner Name	To be assigned
Attorney Docket Number	225C9

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number / Number-Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	US- 5832448	11-03-1998	Brown, Stephen J.	
	2	US- 5897493	04-27-1999	Brown, Stephen J.	
	3	US- 6101478	08-08-2000	Brown, Stephen J.	
	4	US- 6168563	01-02-2001	Brown, Stephen J.	
	5	US- 6364834	04-02-2002	Reuss et al.	
	6	US- 6366871	04-02-2002	Geva et al.	
	7	US- 6368273	04-09-2002	Brown, Stephen J.	
	8	US- 6416471	07-09-2002	Kumar et al.	
	9	US- 6442432	08-27-2002	Lee, Michael Thomas	
Change(s) applied to document, /S.D./ 9/2/2021	10	US- 6447424 09/2002	~~11-05-2002~~	~~Thompson et al.~~ Ashby, et al.	
	11	US- 6669631	12-30-2003	Norris et al.	
	12	US- 6735479	05-11-2004	Fabian et al.	
	13	US- 6943787	09-13-2005	Webb, James D.	
	14	US- 6957102	10-18-2005	Silver et al.	
	15	US- 7026929	04-11-2006	Wallace, Thomas E.	
	16	US- 7103578	09-05-2006	Beck et al.	
	17	US- 7399277	07-15-2008	Saidara et al.	
	18	US- 7448996	11-11-2008	Khanuja, Sukhwant Singh	
	19	US- 7618368	11-17-2009	Brown, Stephen J.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document / Country Code[3] Number[4] Kind Code[5] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T[6]
	1	WO 2010-040092	04-08-2010	Calamera, Pablo M.		
	2	WO 2012-108935	08-16-2012	Abbott Diabetes Care Inc.		
	3	WO 2012-108936	08-16-2012	Abbott Diabetes Care Inc.		
	4	WO 2012-108939	08-16-2012	Abbott Diabetes Care Inc.		
	5	WO 2012-108940	08-16-2012	Abbott Diabetes Care Inc.		

Examiner Signature		Date Considered	

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

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

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) 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.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/617,977	01/04/2022	11213204	0225-US12CON	8138

184103 7590 12/15/2021

PATTERSON + SHERIDAN, L.L.P. - Dexcom
24 Greenway Plaza, Suite 1600
Houston, TX 77046

ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

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

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

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

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

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

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

Michael Robert Mensinger, San Diego, CA;
Eric Cohen, San Diego, CA;
Phil Mayou, San Diego, CA;
Eli Reihman, San Diego, CA;
Katherine Yerre Koehler, Solana Beach, CA;

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

DexCom, Inc., San Diego, CA;

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.

Doc Code: MFEE.C.AD
Document Description: Maintenance Fee Address Change

PTO/AIA/47 (11-21)
Approved for use through 11/30/2024. OMB 0651-0016
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no person is required to respond to a collection of information unless it displays a valid OMB control number.

"FEE ADDRESS" INDICATION FORM

Address to:
Mail Stop Maintenance Fee
Director of the United States Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

-OR-

Fax to:
571-273-6500

INSTRUCTIONS: The issue fee must have been paid for the application(s) listed on this form. In addition, only an address represented by a Customer Number can be established as the fee address for maintenance fee purposes (hereafter, fee address). A fee address should be established when correspondence related to maintenance fees should be mailed to a different address than the correspondence address for the application.

When to check the first box below: If you have a Customer Number to represent the fee address.

When to check the second box below: If you have no Customer Number representing the desired fee address, in which case a completed Request for Customer Number (PTO/SB/125) must be attached to this form. For more information on Customer Numbers, see the Manual of Patent Examining Procedure (MPEP) § 403.

For the following listed application(s), please recognize as the "Fee Address" under the provisions of 37 CFR 1.363 the address associated with:

☑ Customer Number: 185196

OR

☐ The attached Request for Customer Number form (PTO/SB/125)

PATENT NUMBER (if known)	APPLICATION NUMBER
11,213,204	15/617,977

Completed by (check one):

☐ Applicant/Inventor

☑ Attorney or Agent of record 75,682 (Reg. No.)

☐ Assignee of record of the entire interest. See 37 CFR 3.71. Statement under 37 CFR 3.73(c) (Form PTO/AIA/96) is enclosed or was filed on _____ (Date)

/ Sepehr Zangeneh /
Signature

Sepehr Zangeneh
Typed or printed name

619-329-0051
Requester's telephone number

2024-01-17
Date

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. If the assignee is a juristic entity, this form must be signed by a patent practitioner (attorney or agent) of record. Submit multiple forms if more than one signature is required, see below*.

☑ *Total of 1 forms are submitted

A Federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with an information collection subject to the requirements of the Paperwork Reduction Act of 1995, unless the information collection has a currently valid OMB Control Number. The OMB Control Number for this information collection is 0651-0016. Public burden for this form is estimated to average 5 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the information collection. Send comments regarding this burden estimate or any other aspect of this information collection, including suggestions for reducing this burden to the Chief Administrative Officer, United States Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450 or email InformationCollection@uspto.gov. **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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ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
15/617,977	**01/17/2024 07:19:31 PM Z ET**	**0225-US12CON**

Title of Invention

REMOTE MONITORING OF ANALYTE MEASUREMENTS

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	11213204
CONFIRMATION #	8138	FILED BY	Joseph Vehige
PATENT CENTER #	63990167	FILING DATE	06/08/2017
CUSTOMER #	184103	FIRST NAMED INVENTOR	Michael Robert Mensinger
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Sepehr Zangeneh

Documents

TOTAL DOCUMENTS: 1

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
0225-US12CON - Fee Address Form.pdf	2	Maintenance Fee Address Change	265 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
0225-US12CON - Fee Address Form.pdf	28C956B167B34710C1A69C6DD0F4FF72BA8A9581C90ABCF7E D0636501A03BFBECE25B466B0A4D25E4CA6EE3F69FCFD2F4 314A93FA73F8D7370B9FDABD464103F

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