IN THE CLAIMS:

1. (Previously Presented) A computer-implemented method for using a web registry to track a requisite inspection of an owned asset comprising:

retrieving records of assets from a database to generate an inspection list including each asset due and each asset within a designatable interval of being due for inspection;

for each asset on the inspection list, retrieving a list of qualified inspectors according to designatable attributes including proximity to the asset;

generating a notice notifying an owner of the asset of an impending deadline for the inspection such notice to include the list of qualified inspectors for the asset;

receiving at a server through an internet portal, information that one of the qualified inspectors supplies, the information garnered by performing the required inspection;

compiling a report based upon the information the inspector supplies in accord with a template configured to the asset;

transmitting the report completed inspection to an approving authority;

augmenting at the database, the records relative to the asset to reflect the information the inspector supplies when the inspection is approved by the approving authority; and

completing a monetary transaction between the asset owner and the inspector when the inspection is approved by the approving authority.

2. (Previously Presented) The method of Claim 1 further comprising:

at a computer in network communication with the database, entering initial information about a non-included asset that requires periodic inspection to comply with a code.

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3. (Previously Presented) The method of Claim 1 further comprising:

for each asset on the inspection list, transmitting to each qualified inspector on the list of qualified inspectors relative to the asset information about the asset sufficient for the qualified inspectors to generate a bid to inspect the asset;

receiving bids for a contract to inspect the asset from at least one of the qualified inspectors relative to the asset;

transmitting the received bids of the asset;

receiving a selection of a from the owner of the asset from among the received bids; and

transmitting to the qualified inspector who submitted the received selection, an acceptance of the bid.

4. (Previously Presented) The method of Claim 1 further comprising:

transmitting a notice to the owner of the asset, the notice to include a report of the received information and where the received information includes a noted deficiency, the report to include a course of action based upon the received information, the course of action to include remedy of the deficiency, the report transmitted from the approving authority.

5. (Currently Amended) A computer-implemented method for using a web registry to track an asset owner's inspection compliance:

at a database including records of assets, compiling an inspection list to include those assets which, after expiration of a designatable interval, will require an inspection;

generating with respect to at least one asset, a list of the qualified inspectors that are available to inspect the asset based upon attributes including proximity to the asset;

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transmitting a notification to an owner of the at least one asset on the inspection list, including the list of qualified inspectors, indicating that the asset requires an inspection;

displaying, at a web portal, attributes of the at least one asset, to at least one of the qualified inspectors from the list of qualified inspectors relative to the asset, the attributes selected to enable the at least one of the qualified inspectors to formulate a bid for a contract to inspect the asset;

receiving at the web portal a bid from the at least one inspector from a list of qualified inspectors;

displaying to the owner the bid[[e]] from the at least one inspector for selection;

receiving, at the web portal, the selection of a bid from the owner, such selection to include a form of payment for the inspection;

notifying the at least one inspector of a contract to inspect based upon the selected bid;

receiving, from the at least one inspector, inspection information indicating the status of the asset;

notifying the approval authority of the inspection information;

receiving approval from the approval authority;

transmitting a notification that an inspection was completed and approved by an approving authority; and

releasing to the inspector the payment.

6. (Previously Presented) The method of Claim 5 further comprising:

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populating the database with initial information about an asset that requires periodic inspection to comply with a code.

7. (Previously Presented) The method of Claim 5 wherein:

receiving inspection information includes receiving information describing deficiencies in the asset job, the owner of an asset receiving bids from qualified inspectors based on the needs of the asset.

8. (Previously Presented) The method of Claim 7 wherein receiving inspection information, further comprises:

collecting inspection information using a handheld device.

9. (Withdrawn) A method for using a web based registry containing fire hydrant information comprising: activating a handheld device configured to receive global positioning system location signals and wirelessly connected to the web registry containing fire hydrant information; determining fire hydrants in proximity to the handheld device using the global positioning system location and the web registry containing fire hydrant information; and displaying on a handheld device display a status of a plurality of fire hydrants within a predefined radius of the handheld device.

10. (Withdrawn) The method of Claim 9 further comprising: displaying on a handheld device display detailed information about each fire hydrant within a predefined radius of the handheld device.

11. (Withdrawn) The method of Claim 9 further comprising: displaying a route to the closest working fire hydrant to the handheld device.

12. (Withdrawn) The method of Claim 9 further comprising: displaying a route to the closest non-working fire hydrant to the handheld device.

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13. (Withdrawn) The method of Claim 10 further comprising: entering a location of interest into the handheld device; determining fire hydrants in proximity to the location of interest and the web registry containing fire hydrant information; and displaying on the handheld device display a status of a plurality of fire hydrants in proximity to the location of interest.

14. (Withdrawn) The method of Claim 9 further comprising: receiving radio frequency identification signals from a fire hydrant with an installed radio frequency identification chip.

15. (Withdrawn) The method of Claim 9 further comprising: receiving information using the handheld device have a bar code reader from a fire hydrant with an installed barcode.

16. (Withdrawn) A system for a web based compliance registry comprising: a processor; a display; a database in data communication with the processor and the display configured to store owned asset information; a user interface in data communication with the database configured to show owned asset information on the display; and a handheld device configured to wirelessly connect to the user interface and with the database in order to input and view owned asset data wirelessly and to store specific information based on its global position.

17. (Withdrawn) The system of Claim 16 wherein the database is stored locally on a computer.

18. (Withdrawn) The system of Claim 16 wherein the database is accessible by a computer over a network connection.

19. (Withdrawn) The system of Claim 16 wherein the owned asset is a fire hydrant.

20. (Withdrawn) The system of Claim 19 wherein the database is configured to store fire hydrant information related to at least one of hydrant ownership, make, model, year, color, condition, rating of needed maintenance, specific recommended maintenance, pressure, flow, location, address, time of inspection, environment conditions during inspection, landscaping,

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digital picture of hydrant, nozzle size and orientation, physical description of hydrant, special markings, service record, water quality, and hydrant number.

21. (Currently Amended) A computer-implemented method for using a web-based registry to track requisite inspection of an owned asset comprising:

notifying an owner of an asset at a designatable interval in advance of an impending deadline for the inspection;

upon logging on to a password controlled website, providing to an inspector the owner selects, the selection based upon a list of qualified inspectors that are available to inspect the asset based upon attributes including proximity to the asset, a web-based template configured to describe the asset an each of the steps of the inspection;

receiving from the inspector, inspection information in specific response to the web-based template;

storing in a database in association with the asset; the inspection information;

transmitting to the approval authority, a compliance report including noting compliance.

22. (Previously Presented) The method of Claim 21, wherein storing further includes:

storing, in association with the asset a new deadline date, based upon completion of the inspection.

23. (Previously Presented) The method of Claim 22 further comprising:

receiving bids to perform a suitably compliant inspection of the asset from a group of qualified inspectors including, at least, the inspector; and

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presenting to the owner a compilation of the bids for selection of the inspector.

24. (Previously Presented) The method of Claim 23 further comprising:

based upon the owner selecting the inspector, scheduling the inspector's inspection of the asset based upon the impending deadline, the inspector's availability, and the asset availability.

25. (Previously Presented) The method of Claim 21 wherein the compiling the report includes:

receiving from the Inspector photographs of the asset or components of the asset; and

storing the photographs in association with the asset and the date of the inspection.

26. (Previously Presented) The method of Claim 21, wherein the compiling the report includes;

Noting deficiencies in the asset and storing the noted deficiencies in association with the asset.

27. (Previously Presented) The method of Claim 26 noting deficiencies further comprises:

selecting a remedy deficiency deadline based upon the noted deficiency and the date of the inspection; and

storing in association with the asset a remedy deficiency deadline.

28. (Previously Presented) The method of Claim 27, further comprising

receiving bids to perform a suitably compliant remedy of the deficiency from a group of qualified contractors; and

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presenting to the owner a compilation of the bids for selection of a contractor to remedy the deficiency.

29. (Presently Presented) The method of Claim 28 further comprising:

based upon the owner selecting the contractor, scheduling the contractor to remedy the deficiency based upon the remedy deficiency deadline, the contractor's availability, and the asset availability.

30. (Previously Presented) The method of Claim 26, further comprising:

compiling compliance report including the noted deficiency.

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REMARKS

Claims 1-8 and 21-30 are pending and stand rejected. Claims 9-20 have been withdrawn. Claims 5 and 21 has been amended. No new matter has been added to the application. Pursuant to 37 C.F.R. § 1.111, Applicants respectfully request reconsideration of the present application.

OBJECTION TO CLAIM 5

Applicant thanks Examiner for noting the typographical error in claim 5. As noted in the claim listing above, "bide" has been corrected to recite "bid." Claim 5 has correspondingly been labeled as "currently amended."

REJECTION OF CLAIMS 1-8 AND 21-30 UNDER 35 U.S.C. § 101

Claims 1-8 and 21-30 are rejected under 35 U.S.C. 101 as being allegedly directed to a judicial exception without significantly more. The Examiner's rejection is respectfully traversed.

In making the rejection, the Examiner states that:

> "The claim(s) does/do not include additional elements that are sufficient to amount to significantly more than the judicial exception because when considered both individually and as an ordered combination they do not amount to significantly more than the abstract idea. . . . At best, each step requires generic computing components to perform generic computer functions.

Action, page 4.

The Examiner is respectfully requested to provide the factual basis for the Examiner's conclusion that the limitations recited in the claims "are well-understood, routine and conventional." *See Berkheimer v. HP Inc.*, 881 F.3d 1360, 1369 (Fed. Cir. 2018). Alternatively, the Examiner is respectfully requested to withdraw this rejection.

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REJECTION OF CLAIM 1UNDER 35 U.S.C. § 103(A)

Claim 1 is rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over U.S. Publication Application No. 2008/0084291 (hereinafter known as "Campion") in further view of U.S. Patent Application No. 7,831,628 (hereinafter known as "Silva").

Claim 1, in pertinent parts, recites "transmitting the report completed inspection to an approving authority;" and "augmenting at the database, the records relative to the asset to reflect the information the inspector supplies **when the inspection is approved by the approving authority**."

In contrast, the cited reference, Campion, fails to teach or suggest the limitations recited in claim 1. In addition to the limitations identified by Examiner, Campion also fails to teach the required limitation "transmitting the report completed inspection to an approving authority." The Silva references makes a passing reference to "publishing" the report, i.e. printing it out. However, nowhere does the Campion reference teach or suggest a connection to the approving authority, such that the completed inspection can be **transmitted** to the same authority.

Further still, in addition to failing to teach the transmitting step, Campion also fails to teach thereafter "augmenting at the database, the records relative to the asset to reflect the information the inspector supplies **when the inspection is approved by the approving authority**." Campion fails to teach augmentation of the records, after the records are approved.

Because Campion fails to teach multiple required limitations of claim 1, Examiner must rely solely on Silva. Silva, however, also fails to teach the required limitations.

The office action states, at page 8, that "Silva expressly teaches in at least col. 5:67-67, that a user can schedule inspections by building inspectors within the municipality." However,

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"schedule inspections by building inspectors within the municipality" is not the relevant claim language. Instead, claim 1 actually requires "

"for each asset on the inspection list, retrieving a list of **qualified** inspectors according to **designatable attributes** **including proximity to the asset**;"

(emphasis added)

Nowhere does Silva teach or suggest (1) that the list of inspectors are qualified according to designatable attributes, or (2) that one of those attributes is proximity to the asset. As a result, Silva fails to teach the required limitations of claim 1.

Any combination of Campion and Silva fails to teach every limitation required by claim 1. Therefore, Applicants respectfully submit that Claim 1 is patentable.

REJECTION OF CLAIM 5 UNDER 35 U.S.C. § 103(A)

Independent Claim 5 is rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Campion in view of Silva in further view of U.S. Patent Application No. 6,446,053 (hereinafter known as "Elliott"). As stated above, the combination of Campion and Silva fail to teach at least "generating with respect to at least one asset, a list of the **qualified** inspectors that are available to inspect the asset **based upon attributes** including **proximity** to the asset;" as required by claim 5. Elliott too fails to teach the required claim limitation. As a result, any combination of Campion, Silva, and Elliott fails to teach every limitation required by claim 5. Therefore, Applicants respectfully submit that Claim 5 is patentable.

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REJECTION OF CLAIM 21 UNDER 35 U.S.C. § 103(A)

Independent Claim 21 is rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Campion in view of U.S. Publication Application No. 2008/0114638 (hereinafter known as "Colliau").

Claim 21, as amended, requires, "the selection based upon a list of qualified inspectors that are available to inspect the asset based upon attributes including proximity to the asset." As discussed above with respect to claim 1, Campion fails to teach this limitation. Further, Campion also fails to teach, "transmitting to the approval authority, a compliance report including noting compliance."

Colliau fails to teach these limitations, and as a result, the combination fails to teach or suggest all the limitations of the claims.

In addition, the remaining claims that depend from these independent claims are patentable at least because they depend from an allowable base claim. Consequently, Applicants respectfully request that these Section 103 rejections be withdrawn and the claims found patentable.

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CONCLUSION

For the foregoing reasons, Applicants respectfully request withdrawal of the aforementioned objections and rejections and reconsideration of the application. If there are any remaining matters that may be handled by telephone conference, the Examiner is kindly invited to call the undersigned. Any additional fees or overpayment as a result of this filing may be charged to Deposit Account No. 061629.

Respectfully submitted,

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Electronic Patent Application Fee Transmittal

Application Number:	12011202
Filing Date:	23-Jan-2008
Title of Invention:	Systems and methods for a web based inspection compliance registry and communication tool
First Named Inventor/Applicant Name:	Andrew Moren
Filer:	Kevin S Ormiston/Leslie Jackson
Attorney Docket Number:	220867-1000-100

Filed as Small Entity

Filing Fees for Utility under 35 USC 111(a)

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

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension - 3 months with $0 paid	2253	1	700	700
Miscellaneous:				
			Total in USD ($)	**700**

Electronic Acknowledgement Receipt

EFS ID:	33670375
Application Number:	12011202
International Application Number:	
Confirmation Number:	7547
Title of Invention:	Systems and methods for a web based inspection compliance registry and communication tool
First Named Inventor/Applicant Name:	Andrew Moren
Customer Number:	16579
Filer:	Kevin S Ormiston/Leslie Jackson
Filer Authorized By:	Kevin S Ormiston
Attorney Docket Number:	220867-1000-100
Receipt Date:	10-SEP-2018
Filing Date:	23-JAN-2008
Time Stamp:	13:19:29
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	$700
RAM confirmation Number	091018INTEFSW00012989061629
Deposit Account	061629
Authorized User	Leslie Jackson

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

37 CFR 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		NFOA_Response_1000.pdf	158833 921e3ce03221c5fbd16de5ed71e5607ff962f68f	yes	14
	Multipart Description/PDF files in .zip description				
	Document Description		**Start**	**End**	
	Amendment/Req. Reconsideration-After Non-Final Reject		1	1	
	Claims		2	9	
	Applicant Arguments/Remarks Made in an Amendment		10	14	
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	30236 f9fb74cb300718d2b1be7c201c0ebb47b62fc9b3	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	189069		

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

PTO/SB/06 (09-11)
Approved for use through 1/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 12/011,202	Filing Date 01/23/2008	☐ To be Mailed

ENTITY: ☐ LARGE ☒ SMALL ☐ MICRO

APPLICATION AS FILED – PART I

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

APPLICATION AS AMENDED – PART II

AMENDMENT **09/10/2018**

	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
Total (37 CFR 1.16(i))	* 29	Minus	** 30	= 0	X $50 =	0
Independent (37 CFR 1.16(h))	* 5	Minus	***5	= 0	X $230 =	0
☐ Application Size Fee (37 CFR 1.16(s))						
☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
					TOTAL ADD'L FEE	0

AMENDMENT

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

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

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

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

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

LIE
RENEE M. COLLINS

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

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

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/011,202	01/23/2008	Andrew Moren	220867-1000-100	7547

16579 7590 11/26/2018

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EXAMINER	
PRATT, EHRIN LARMONT	

ART UNIT	PAPER NUMBER
3629	

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):

kristine.springer@foster.com
patents@foster.com

Office Action Summary	Application No. 12/011,202	Applicant(s) Moren et al.	
	Examiner EHRIN PRATT	Art Unit 3629	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 10 September 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) 1-8 and 21-30 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) 1-8 and 21-30 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

This communication is a Final Office Action on the merits in response to communications received on 9/10/2018. Claims 5 and 21 have been amended. Therefore, Claims 1-8 and 21-30 are pending and have been addressed below. The present application is being examined under the pre-AIA first to invent provisions.

Previous Claim Objections

1. The Examiner respectfully withdraws the objection to claim 5.

Claim Rejections - 35 USC § 101

2. 35 U.S.C. 101 reads as follows:

> Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

3. Claims 1-8 and 21-30 are rejected under 35 U.S.C. 101 because the claimed invention is directed to a judicial exception (i.e., a law of nature, a natural phenomenon, or an abstract idea) without significantly more.

4. Claim(s) 1-8 and 21-30 is/are directed to the abstract idea of:

retrieving records of assets from to generate an inspection list including each asset due and each asset within a designatable interval of being due for inspection; for each asset on the inspection list, retrieving a list of qualified inspectors according to designatable attributes including proximity to the asset; generating a notice notifying an owner of the asset of an impending deadline for the inspection such notice to include the list of qualified inspectors for the asset; receiving at information that one of the qualified

inspectors supplies, the information garnered by performing the required inspection; compiling a report based upon the information the inspector supplies in accord with a template configured to the asset; transmitting the report completed inspection to an approving authority; augmenting, the records relative to the asset to reflect the information the inspector supplies when the inspection is approved by the approving authority; and completing a monetary transaction between the asset owner and the inspector when the inspection is approved by the approving authority which is similar to an idea of itself found in "Mortgage Grader".

The claimed limitations analyzed individually and as whole recite nothing more than the collection of information to generate an inspection report and use the inspection report to facilitate a monetary transaction which is not meaningfully different than "Mortgage Grader". The series of steps covered by the claims including (i.e., retrieving records of assets, generating an inspection list, retrieving a list of qualified inspectors, generating a notice notifying an owner, receiving information that one of the qualified inspectors supplies, compiling a report, transmitting the report, augmenting the records relative to the asset to reflect the information the inspector supplies, and completing a monetary transaction between the asset owner and the inspector) could all be performed by humans without a computer. The idea that an asset owner may pay for an approved inspection from an inspector is the type of fundamental business practice that when implemented using generic computer technology is not patent-eligible under Alice.

The claim(s) does/do not include additional elements that are sufficient to amount to significantly more than the judicial exception because when considered both

individually and as an ordered combination they do not amount to significantly more than the abstract idea.

Next, the claimed invention of claim 1 recites the additional elements of: a "database" and a "server through an internet portal" at a high-level of generality and their broadest reasonable interpretation includes generic computers performing generic computer functions. (i.e., ¶ 0023)

Next, the claimed invention of claim 1 recites the additional elements of: a "computer-implemented method for using a web registry to track a requisite inspection of an owned asset" at a high-level of generality and is merely an attempt to limit the claimed invention to a particular technological field but does not meaningfully limit the claim beyond the abstract idea.

At best, each step requires generic computing components to perform generic computer functions. Considered as an ordered combination, the computer components of the system add nothing that is not already present when the steps are considered separately, and thus simply recite the concept of collecting of information to generate an inspection report and using the inspection report to facilitate a monetary transaction.

The claims do not purport to improve the functioning of the database itself, or to improve any other technology or technical field. Use of an unspecified, generic computer does not transform an abstract idea into a patent-eligible invention. Thus, the claim does not amount to significantly more than the abstract idea itself.

Additionally, the claimed invention of independent claim 5 recites a "computer-implement method" and the claimed invention of independent claim 21 recites a "computer-implement method" with limitations that are substantially similar to the

claimed invention of claim 1, thus have been found patent in-eligible for the same rationales.

Dependent claims 2-4, 6-8, and 21-30 do not add "significantly more" to the abstract ideas. For example, claims 2-4, 6-8, and 21-30 further describe the abstract idea and the additional elements described are recited in a merely generic manner and operate using well-known, routine, conventional functions.

Even when viewed as an ordered combination, the dependent claims simply convey the abstract idea itself applied using generic computers and are held to be ineligible under steps 2A/2B of the Alice analysis at least similar rationales as discussed above regarding claim 1.

Claim Rejections - 35 USC § 103

5. 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 though the invention is not identically disclosed or described as set forth in section 102, 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. The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under pre-AIA 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.

2. Ascertaining the differences between the prior art and the claims at issue.

3. Resolving the level of ordinary skill in the pertinent art.

4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

7. Claims 1-2 and 4 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Campion (2008/0084291) in further view of Silva (7,831,628).

With respect to claim 1, Campion discloses

a computer-implemented method for using a web registry to track a requisite inspection of an owned asset (¶ 0057, 0065-0066) comprising:

retrieving records of assets from a database to generate an inspection list including each asset due and each asset within a designatable interval of being due for inspection (¶ 0043, 0048, 0057: discloses a workstation with internet access that can be used to access complete inspections and view progress reports on inspection status, where inspections are in progress. The workstation is used to schedule inspections due over the course of coming time for periods as required to set dates for required inspection and receive reminders of inspections due.);

generating a notice notifying an owner of the asset of an impending deadline for the inspection such notice (¶ 0043: discloses providing notification to a building owner of inspections required during a particular time frame via calendar or schedule management tool. The data can include inventories of equipment or the like.);

receiving at a server through an internet portal, information that one of the qualified inspectors supplies, the information garnered by performing the required inspection (¶ 0043: discloses multiple testers can perform inspections by accessing data server. The test data generated from the test can be stored such that test data can

be provided into standard forms required by jurisdictions for reporting information such as inspection status, test results, and the like.);

compiling a report based upon the information the inspector supplies in accord with a template configured to the asset (¶ 0029, 0043, 0047, 0064-0065: discloses the web server transmits responses to questions to data server where authentication report is automatically generated in standard form as suggested and recommended by applicable codes and standards.);

transmitting the report completed inspection to an approving authority (¶ 0029, 0043, 0047, 0064-0065: discloses the results of the inspection or test can be compiled and the results are authenticated for generation and/or publication of reports in a format that would be accepted by a local fire inspection jurisdiction.);

augmenting at the database, the records relative to the asset to reflect the information the inspector supplies when the inspection is approved by the approving authority (¶ 0065-0066: discloses upon completion of inspection, test, or the like, where all questions of the system under test as required by the code are asked, the information is stored. Inspection data is stored and saved on the authentication server for record keeping compliance, archiving, and for viewing at a later date.);

Campion does not explicitly disclose for each asset on the inspection list, retrieving a list of qualified inspectors according to designatable attributes including proximity to the asset; completing a monetary transaction between the asset owner and the inspector when the inspection is approved by the approving authority.

However, Silva expressly teaches in at least col. 5:67-67, that a user can schedule inspections by building inspectors within the municipality. Furthermore, in at least col. 7:5-10 expressly teaches that the user may submit payment of fees to the municipality's office and the system indicates that all fees are paid and issues a permit. After the system issues the permit the owner may receive a hard copy print out of the permit.

This known technique is applicable to the system of Campion as they all share characteristics and capabilities, namely, they are directed to providing authenticated testing and report generation. One of ordinary skill in the art would have recognized that applying the known techniques of scheduling inspection by building inspectors within the municipality and submitting payment of fees of Silva would have yielded predictable results and resulted in an improved system. It would have been obvious to one having ordinary skill in the art at the time the invention was made to apply the techniques of scheduling inspection by building inspectors within the municipality and submitting payment of fees of Silva to the authenticated testing and report generation teachings of Campion because it would have yielded predictable results and the level of ordinary skill in the art demonstrated by the references applied shows the ability to incorporate such data processing features into similar systems.

With respect to claim 2, the combination of Campion and Silva discloses the method of Claim 1 further comprising:

at a computer in network communication with the database, entering initial information about a non-included asset that requires periodic inspection to comply with

a code. (¶ 0042, 0056: Campion discloses setting up a new facility to provide authenticated test, inspection service or the like. The inspector selects the type of inspection to be performed on a time basis such as annual and can specify equipment such as sprinkler, fire alarm, or the like.)

With respect to claim 4, the combination of Campion and Silva discloses the method of Claim 1 further comprising:

transmitting a notice to the owner of the asset (¶ 0043: discloses providing a notification to a building owner.), the notice to include a report of the received information (¶ 0043) and where the received information includes a noted deficiency (¶ 0029, 0058), the report to include a course of action based upon the received information (¶ 0057), the course of action to include remedy of the deficiency (¶ 0057), the report transmitted from the approving authority. (¶ 0065-0066)

8. Claims 3 and 5-8 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Campion in view of Silva in further view of Elliott (6,446,053).

With respect to claim 3, the combination of Campion and Silva does not explicitly disclose the method of Claim 1 further comprising:

However, Elliott expressly teaches electronically submitting a proposal over a networked communication system to a construction professional for a bid and receiving a response on the proposal from the construction professional over the networked communication system. (abstract)

for each asset on the inspection list, transmitting to each qualified inspector on the list of qualified inspectors relative to the asset information about the asset sufficient for the qualified inspectors to generate a bid to inspect the asset (col. 10:47-67 and col. 11:1-60: discloses the user computer searches the contractor database including specialty and region. The user may submit bids to individual contractors and subcontractors.);

receiving bids for a contract to inspect the asset from at least one of the qualified inspectors relative to the asset (col. 10:47-67 and col. 11:1-60: discloses once the subcontractor or general contractor receives the bid they may review it and respond to it.);

transmitting the received bids of the asset (col. 10:47-67 and col. 11:1-60: discloses the user receives a response from the contractor.);

receiving a selection of a from the owner of the asset from among the received bids (col. 10:47-67 and col. 11:1-60); and

transmitting to the qualified inspector who submitted the received selection, an acceptance of the bid (col. 10:47-67 and col. 11:1-60: discloses after the user receives the bid he can accept the offer).

Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention was made, to modify the combination of Campion and Silva, to include for each asset on the inspection list, transmitting to each qualified inspector on the list of qualified inspectors relative to the asset information about the asset sufficient for the qualified inspectors to generate a bid to inspect the asset; receiving bids for a contract to inspect the asset from at least one of the qualified inspectors relative to the asset;

transmitting the received bids of the asset; receiving a selection of a from the owner of the asset from among the received bids; and transmitting to the qualified inspector who submitted the received selection, an acceptance of the bid, as disclosed by Elliott to achieve the claimed invention. As disclosed by Elliott, the motivation for the combination would have been to allow a user to submit bids to individual contractors in order to compare prices since each contractor tends to bid differently. (col. 10:47-67 and col. 11:1-60)

With respect to claim 5, Campion discloses

a computer-implemented method for using a web registry to track an asset owner's inspection compliance (¶ 0057, 0065):

at a database including records of assets, compiling an inspection list to include those assets which, after expiration of a designatable interval, will require an inspection (¶ 0043, 0048, 0057: discloses a workstation with internet access that can be used to access complete inspections and view progress reports on inspection status, where inspections are in progress. The workstation is used to schedule inspections due over the course of coming time for periods as required to set dates for required inspection and receive reminders of inspections due.);

transmitting a notification to an owner of the at least one asset on the inspection list, indicating that the asset requires an inspection (¶ 0048: discloses receiving reminders of inspection due.);

receiving, from the at least one inspector, inspection information indicating the status of the asset (¶ 0043: discloses multiple testers can perform inspections by

accessing data server. The test data generated from the test can be stored such that test data can be provided into standard forms required by jurisdictions for reporting information such as inspection status, test results, and the like.);

notifying the approval authority of the inspection information (¶ 0029, 0043, 0047, 0064-0065: discloses the results of the inspection or test can be compiled and the results are authenticated for generation and/or publication of reports in a format that would be accepted by a local fire inspection jurisdiction.);

receiving approval from the approval authority (¶ 0065-0066);

transmitting a notification that an inspection was completed and approved by an approving authority (¶ 0065-0066);

Campion does not explicitly disclose the following limitations.

However, Silva discloses:

releasing to the inspector the payment (col. 7:5-10 discloses that the user may submit payment of fees to the municipality's office and the system indicates that all fees are paid and issues a permit. After the system issues the permit the owner may receive a hard copy print out of the permit);

generating with respect to at least one asset, a list of the qualified inspectors that are available to inspect the asset based upon attributes including proximity to the asset (col. 5:67-67, that a user can schedule inspections by building inspectors within the municipality)

This known technique is applicable to the system of Campion as they all share characteristics and capabilities, namely, they are directed to providing authenticated testing and report generation. One of ordinary skill in the art would have recognized

that applying the known techniques of scheduling inspection by building inspectors within the municipality and submitting payment of fees of Silva would have yielded predictable results and resulted in an improved system. It would have been obvious to one having ordinary skill in the art at the time the invention was made to apply the techniques of scheduling inspection by building inspectors within the municipality and submitting payment of fees of Silva to the authenticated testing and report generation teachings of Campion because it would have yielded predictable results and the level of ordinary skill in the art demonstrated by the references applied shows the ability to incorporate such data processing features into similar systems.

The combination of Campion and Silva does not explicitly disclose the following limitations.

However, Elliott discloses:

displaying, at a web portal, attributes of the at least one asset, to at least one of the qualified inspectors from the list of qualified inspectors relative to the asset, the attributes selected to enable the at least one of the qualified inspectors to formulate a bid for a contract to inspect the asset (col. 10:47-67 and col. 11:1-60: discloses the user computer searches the contractor database including specialty and region. The user may submit bids to individual contractors and subcontractors.);

receiving at the web portal a bid from the at least one inspector from a list of qualified inspectors (col. 10:47-67 and col. 11:1-60: discloses once the subcontractor or general contractor receives the bid they may review it and respond to it.);

displaying to the owner the bid from the at least one inspector for selection (col. 10:47-67 and col. 11:1-60: discloses the user receives a response from the contractor.);

receiving, at the web portal, the selection of a bid from the owner, such selection to include a form of payment for the inspection (col. 10:47-67 and col. 11:1-60);

notifying the at least one inspector of a contract to inspect based upon the selected bid (col. 10:47-67 and col. 11:1-60: discloses after the user receives the bid he can accept the offer);

Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention was made, to modify the combination of Campion and Silva, to include displaying, at a web portal, attributes of the at least one asset, to at least one of the qualified inspectors from the list of qualified inspectors relative to the asset, the attributes selected to enable the at least one of the qualified inspectors to formulate a bid for a contract to inspect the asset; receiving at the web portal a bid from the at least one inspector from a list of qualified inspectors; displaying to the owner the bide from the at least one inspector for selection; receiving, at the web portal, the selection of a bid from the owner, such selection to include a form of payment for the inspection; notifying the at least one inspector of a contract to inspect based upon the selected bid, as disclosed by Elliott to achieve the claimed invention. As disclosed in Elliott, the motivation for the combination would have been to allow a user to submit bids to individual contractors in order to compare prices since each contractor tends to bid differently. (col. 10:47-67 and col. 11:1-60)

With respect to claim 6, the combination of Campion, Silva, and Elliott discloses the method of Claim 5 further comprising:

populating the database with initial information about an asset that requires periodic inspection to comply with a code. (¶ 0042, 0056: Campion discloses setting up a new facility to provide authenticated test, inspection service or the like. The inspector selects the type of inspection to be performed on a time basis such as annual and can specify equipment such as sprinkler, fire alarm, or the like.)

With respect to claim 7, the combination of Campion, Silva, and Elliott discloses the method of Claim 5 wherein:

receiving inspection information includes receiving information describing deficiencies in the asset job, the owner of an asset receiving bids from qualified inspectors based on the needs of the asset. (col. 10:47-67 and col. 11:1-60: Elliott discloses once the proposal is complete to the user's satisfaction the application prepares it for submission. The contractor database is searched for contractors in the designated area. Each contractor tends to bid differently so by sending the proposal to several contractors the user can compare prices for different contractors for the project.)

With respect to claim 8, the combination of Campion, Silva, and Elliott discloses the method of Claim 7 wherein receiving inspection information, further comprises:

collecting inspection information using a handheld device. (See Campion - ¶ 0037, 0043)

9. Claims 21-22, 25-27, and 30 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Campion (2008/0084291) in view of Colliau (2008/0114638).

With respect to claim 21, Campion discloses

a computer-implemented method for using a web-based registry to track requisite inspection of an owned asset (¶ 0057, 0065-0066) comprising:

notifying an owner of an asset at a designatable interval in advance of an impending deadline for the inspection (¶ 0043: discloses providing notification to a building owner of inspections required during a particular time frame via calendar or schedule management tool. The data can include inventories of equipment or the like.);

upon logging on to a password controlled website a web-based template configured to describe the asset an each of the steps of the inspection (¶ 0057, 0065-0066: discloses for conducting the inspection, the inspector can connect to an internet website via a portable wireless device such that the server recognizes the login which brings up the appropriate inspection forms.);

receiving from the inspector, inspection information in specific response to the web- based template (¶ 0057, 0065-0066: discloses the inspector tests all devices, verifies response on portable device, answers questions as required for that type of device, entering information where needed during the course of the inspection.);

storing in a database in association with the asset (¶ 0057, 0065-0066: discloses upon completion of inspection, test, or the like, where all questions of the system under test as required by the code are asked the information is stored in a data store

associated with the authentication server.); the inspection information (¶ 0057, 0065-0066);

transmitting to the approval authority, a compliance report including noting compliance. (¶ 0029, 0043, 0047, 0064-0066: discloses the results of the inspection or test can be compiled and the results are authenticated for generation and/or publication of reports in a format that would be accepted by a local fire inspection jurisdiction.)

Campion does not explicitly disclose the following limitation.

However, Colliau discloses:

providing to an inspector the owner selects (¶ 0123: discloses an inspector selection indication is received from the user for selecting at least one of the available inspectors.),

the selection based upon a list of qualified inspectors that are available to inspect the asset based upon attributes including proximity to the asset. (¶ 0014, 0123: discloses a list of inspectors available to inspect is generated according to specifications provided by a user including an inspection schedule window and predetermined locations or the like.)

Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention was made, to modify Campion, to include providing to an inspector the owner selects the selection based upon a list of qualified inspectors that are available to inspect the asset based upon attributes including proximity to the asset, as disclosed by Colliau to achieve the claimed invention. As disclosed in Colliau, the motivation for the combination would have been to provide the ability for automatically scheduling an appointment for inspection. (¶ 0123)

With respect to claim 22, the combination of Campion and Colliau discloses the method of Claim 21, wherein storing further includes:

storing, in association with the asset a new deadline date, based upon completion of the inspection. (See Campion – ¶ 0065-0066)

With respect to claim 25, the combination of Campion and Colliau discloses the method of Claim 21

wherein the compiling the report includes:

receiving from the Inspector photographs of the asset or components of the asset (See Campion - ¶ 0054-0055, 0064-0066); and

storing the photographs in association with the asset and the date of the inspection. (See Campion - ¶ 0054-0055, 0064-0066)

With respect to claims 26 and 30, the combination of Campion and Colliau discloses the method, wherein the compiling the report includes;

Noting deficiencies in the asset and storing the noted deficiencies in association with the asset. (See Campion - ¶ 0054-0055, 0064-0066)

With respect to claim 27, the combination of Campion and Colliau discloses the method of Claim 26 noting deficiencies further comprises:

selecting a remedy deficiency deadline based upon the noted deficiency and the date of the inspection (See Campion - ¶ 0054-0057, 0064-0066: discloses the inspector selects the type of inspection to be performed on a time basis.); and

storing in association with the asset a remedy deficiency deadline. (See Campion - ¶ 0054-0057, 0064-0066: discloses the authentication server can determine by referring to the database what testing, maintenance are required by the fire code.)

10. Claims 23-24 and 28-29 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Campion in view of Colliau in further view of Elliott (6,446,053).

With respect to claims 23 and 28, the combination of Campion and Colliau does not explicitly disclose the method further comprising:

However, Elliott discloses:

receiving bids to perform a suitably compliant inspection of the asset from a group of qualified inspectors including, at least, the inspector; and presenting to the owner a compilation of the bids for selection of the inspector. (col. 10:47-67 and col. 11:1-60: discloses once the subcontractor or general contractor receives the bid they may review it and respond to it which represents a compilation of the bids for selection of the inspector and the user which represents the owner receives a response from the contractor.)

Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention was made, to modify the combination of Campion and Colliau, to

include receiving bids to perform a suitably compliant inspection of the asset from a group of qualified inspectors including, at least, the inspector; and presenting to the owner a compilation of the bids for selection of the inspector, as disclosed by Elliott to achieve the claimed invention. As disclosed in Elliott, the motivation for the combination would have been to allow a user to compare prices since each contractor tends to bid differently. (col. 10:47-67 and col. 11:1-60)

With respect to claims 24 and 29, the combination of Campion, Colliau, and Elliott discloses the method further comprising:

based upon the owner selecting the inspector, scheduling the inspector's inspection of the asset based upon the impending deadline, the inspector's availability, and the asset availability. (¶ 0123-0125: Colliau discloses the list of inspectors available to inspect is generated in accordance with the total inspection time which represents the asset availability, schedules of the inspectors which represents the inspector's availability, and an inspection schedule window specified by the user which represents an impending deadline. An inspector selection is received from the user for selecting at least one available inspectors. An inspection appointment is scheduled within the inspection window.)

Response to Arguments

11. Applicant's arguments filed 9/10/2018 have been fully considered but they are not persuasive.

With Respect to Rejections Under 35 USC 101

Applicant argues "*The Examiner is respectfully requested to provide the factual basis for the Examiner's conclusion that the limitations recited in the claims "are well-understood, routine and conventional." See Berkheimer v. HP Inc., 881 F.3d 1360, 1369 (Fed. Cir. 2018). Alternatively, the Examiner is respectfully requested to withdraw this rejection.*" **The Examiner respectfully disagrees**.

The Examiner finds the response unpersuasive and maintains the additional elements of a "database" and a "server through an internet portal" are recited at a high-level of generality and their broadest reasonable interpretation includes generic computers performing generic computer functions. (i.e., ¶ 0023)

> **[0023)** Embodiments of the invention are operational with numerous other **general purpose** or special purpose computing system environments or configurations. Examples of **well-known computing systems, environments, and/or configurations** that may be suitable for use with embodiments of the invention include, but are not limited to, personal computers, server computers, hand-held or laptop devices, multiprocessor systems, microprocessor based systems, set-top boxes, programmable consumer electronics, network PCs, minicomputers, mainframe computers, distributed computing environments that include any of the above systems or devices, and the like.

As such, the specification demonstrates that the additional elements were well-understood or routine or conventional. Therefore, the previous rejections of record are being maintained.

With Respect to Rejections Under 35 USC 103

Applicant argues "*However, nowhere does the Campion reference teach or suggest a connection to the approving authority, such that the completed inspection can be transmitted to the same authority.*" **The Examiner respectfully disagrees**.

The Examiner maintains the Campion reference expressly states in at least (¶ 0047, 0064-0065: that the web server **transmits** responses to questions to **a data server which represents the approving authority** where the authentication report is automatically generated in standard form as suggested and recommended by applicable codes and standards.) The claimed invention limitation requires "transmitting the report completed inspection to an approving authority." As such, the Examiner asserts the prior art element performs the identical function specified in the claim in substantially the same way, and produces substantially the same results as the corresponding element disclosed in the specification. The Examiner concludes that the claim limitation is met by the prior art element.

Applicant further argues "*Further still, in addition to failing to teach the transmitting step, Campion also fails to teach thereafter "augmenting at the database, the records relative to the asset to reflect the information the inspector supplies when the inspection is approved by the approving authority." Campion fails to teach augmentation of the records, after the records are approved.*" **The Examiner respectfully disagrees**.

The Examiner maintains the Campion reference expressly states in at least (¶ 0064-0066: upon completion of inspection, test, or the like, where all questions of the system under test as required by the code are asked, the information is stored. **Inspection data is stored and saved on the authentication server for record keeping compliance which represents when the inspection is approved by the approving authority, archiving, and for viewing at a later date**.) As such, the prior art, the Examiner asserts the prior art element performs the identical function specified in the

claim in substantially the same way, and produces substantially the same results as the corresponding element disclosed in the specification. The Examiner concludes that the claim limitation is met by the prior art element.

Applicant further argues "*Nowhere does Silva teach or suggest (1) that the list of inspectors are qualified according to designatable attributes, or (2) that one of those attributes is proximity to the asset. As a result, Silva fails to teach the required limitations of claim 1.*" **The Examiner respectfully disagrees**.

The Examiner finds the response unpersuasive and maintains the Silva reference expressly teaches in cols. 5-6:67-67: the user can schedule inspections by building inspectors within the municipality which represents the list of inspectors are qualified according to proximity to the asset . col. 4:23-25: discloses scheduling field inspections for specific projects.) As such, the prior art, the Examiner asserts the prior art element performs the identical function specified in the claim in substantially the same way, and produces substantially the same results as the corresponding element disclosed in the specification. The Examiner concludes that the claim limitation is met by the prior art element.

Applicant further argues "*Independent Claim 5 is rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Campion in view of Silva in further view of U.S. Patent Application No. 6,446,053 (hereinafter known as "Elliott"). As stated above, the combination of Campion and Silva fail to teach at least "generating with respect to at least one asset, a list of the qualified inspectors that are available to inspect the asset*

based upon attributes including proximity to the asset;" as required by claim 5. Elliott too fails to teach the required claim limitation. As a result, any combination of Campion, Silva, and Elliott fails to teach every limitation required by claim 5. Therefore, Applicants respectfully submit that Claim 5 is patentable." "*Claim 21, as amended, requires, "the selection based upon a list of qualified inspectors that are available to inspect the asset based upon attributes including proximity to the asset." As discussed above with respect to claim 1, Campion fails to teach this limitation. Further, Campion also fails to teach, "transmitting to the approval authority, a compliance report including noting compliance." Colliau fails to teach these limitations, and as a result, the combination fails to teach or suggest all the limitations of the claims*. **The Examiner respectfully disagrees**.

The Examiner maintains that the limitations of claim 5 and 21 are substantially similar to the limitations previously argued for claim 1, and are therefore held rejected under the same grounds.

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 EHRIN PRATT whose telephone number is (571)270-3184. The examiner can normally be reached on 8-5 EST Monday-Friday.

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, Lynda Jasmin can be reached on 571-272-6782. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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

EHRIN PRATT
Examiner
Art Unit 3629

/EHRIN L PRATT/
Examiner, Art Unit 3629

/LYNDA JASMIN/
Supervisory Patent Examiner, Art Unit 3629

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	12/011,202	Moren et al.
	Examiner	Art Unit
	EHRIN PRATT	3629

✓	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	03/18/2011	06/18/2012	03/22/2013	10/19/2013	12/30/2013	05/05/2014	03/01/2018	11/15/2018	
	1	✓		✓	✓	✓	✓	✓	✓	
	2	✓		✓	✓	✓	✓	✓	✓	
	3	✓		✓	✓	✓	✓	✓	✓	
	4	✓		✓	✓	✓	✓	✓	✓	
	5	✓		✓	✓	✓	✓	✓	✓	
	6	✓		✓	✓	✓	✓	✓	✓	
	7	✓		✓	✓	✓	✓	✓	✓	
	8	✓		✓	✓	✓	✓	✓	✓	
	9	✓		N	N	N	N	N	N	
	10	✓		N	N	N	N	N	N	
	11	✓		N	N	N	N	N	N	
	12	✓		N	N	N	N	N	N	
	13	✓		N	N	N	N	N	N	
	14	✓		N	N	N	N	N	N	
	15	✓		N	N	N	N	N	N	
	16	✓		N	N	N	N	N	N	
	17	✓		N	N	N	N	N	N	
	18	✓		N	N	N	N	N	N	
	19	✓		N	N	N	N	N	N	
	20	✓		N	N	N	N	N	N	
	21			✓	✓	✓	✓	✓	✓	
	22			✓	✓	✓	✓	✓	✓	
	23			✓	✓	✓	✓	✓	✓	
	24			✓	✓	✓	✓	✓	✓	
	25			✓	✓	✓	✓	✓	✓	
	26			✓	✓	✓	✓	✓	✓	
	27			✓	✓	✓	✓	✓	✓	
	28			✓	✓	✓	✓	✓	✓	
	29			✓	✓	✓	✓	✓	✓	
	30			✓	✓	✓	✓	✓	✓	

BRYCER
Exhibit 1002
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Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	12/011,202	Moren et al.
	Examiner	Art Unit
	EHRIN PRATT	3629

CPC - Searched*		
Symbol	Date	Examiner

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner
705	313	6/18/12	vc

* 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
searched east	6/18/12	
updated east and npl search see attached	05/05/2014	tlc
Updated EAST Search	02/28/2018	EP
Updated EAST Search	11/15/2018	EP

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

/EHRIN L PRATT/ Examiner, Art Unit 3629	

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EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	145	(list) WITH (inspectors)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/11/15 07:53
S1	0	("20060258292" | "20060123010" | "20040044696" | "20020082937" | "20040139053" | "20040177326" | "20080114638" | "20030171957" | "20050128083" | "20070005273").PN.	USPAT	OR	OFF	2018/02/27 13:34
S2	20	("20060258292" | "20060123010" | "20040044696" | "20020082937" | "20040139053" | "20040177326" | "20080114638" | "20030171957" | "20050128083" | "20070005273").PN.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/27 13:34
S3	6	(charge) WITH (compliance) WITH (asset)	USPAT	OR	OFF	2018/02/27 14:20
S4	594	(compliance) WITH (asset)	USPAT	OR	OFF	2018/02/27 14:21
S5	25	(due) WITH (inspection) AND (compliance) WITH (asset)	USPAT	OR	OFF	2018/02/27 14:22
S6	1	(andrew) NEAR3 (moren).in.	USPAT	OR	OFF	2018/02/27 14:37
S7	4	(robert) NEAR3 (moren).in.	USPAT	OR	OFF	2018/02/27 14:37
S8	0	"20090157521"	USPAT	OR	OFF	2018/02/27 14:38
S9	60	705/314$	USPAT	OR	OFF	2018/02/27 14:38
S10	2	(access$3 gather$3 retriev$3) WITH (approved qualified) NEAR3 (inspector)	USPAT	OR	OFF	2018/02/27 14:51
S11	1	(list$3) WITH (certified approved qualified) NEAR3 (inspector)	USPAT	OR	OFF	2018/02/27 14:52
S12	17	(list$3) WITH (certified approved qualified) NEAR3 (inspector)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/27 14:52
S13	34	(compliance) WITH (owned) WITH (asset)	US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	2018/02/27 14:59

			DERWENT; IBM_TDB			
S14	25343	(due deadline) WITH (inspection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/27 15:06
S15	7	(due deadline) WITH (inspection) AND (invoice) WITH (owner)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/27 15:08
S16	109	(due deadline) WITH (inspection) AND (invoice)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/27 15:08
S17	22	("20080084291" | "20120154141" | "8810387" | "9552720" | "9672486" | "9767679").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/27 15:17
S18	21	("20040034684" | "20040262387" | "20050023347" | "20050137829" | "20050211777" | "20060162178" | "20060259392" | "20070044559" | "20080048682" | "20080077512" | "20080084291" | "20080111074" | "20090018859" | "20100088141" | "20100306085" | "20110016319" | "20120109660" | "6421571" | "7565306" | "8315834" | "8358903").PN. OR ("9672486").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/02/27 15:19
S19	229	(marketplace market$place) AND (inspector)	USPAT	OR	OFF	2018/02/28 06:29
S20	13	(marketplace market$place) SAME (inspector)	USPAT	OR	OFF	2018/02/28 06:29
S21	113	(marketplace market$place) AND (inspector) AND (inspection)	USPAT	OR	OFF	2018/02/28 06:31
S22	32	("20020026266" | "20030069648" | "20050190053" | "20070174438" | "20090284348" | "20110117878" | "20110130636" | "20110151829" | "20120218102" | "20120232355" | "20120271370" | "20130012151" | "20130040600" | "20130053063" | "20130252574" | "20140002241" | "5960337" | "7048185" | "7091852" | "7171217" | "7177623" | "7289029" | "7607014" | "7793850" | "7922073" | "8095403" | "8185623" | "8300922" | "8314683" | "8350693" | "8401514" | "8526910").PN. OR ("9619767").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/02/28 06:33

S23	24	(fire) NEAR3 (department marshall) AND (inspector) AND (inspection)	USPAT	OR	OFF	2018/02/28 06:41
S24	0	"20080114638"	USPAT	OR	OFF	2018/02/28 07:03
S25	21	"20080114638"	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 07:04
S26	73	(fire) NEAR3 (department marshal) AND (inspector) AND (inspection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	OFF	2018/02/28 07:04
S27	49	S26 AND owner	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	OFF	2018/02/28 07:04
S28	4	(fire) NEAR3 (department marshal) AND (list$3) WITH (inspector) AND (inspection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	OFF	2018/02/28 07:07
S29	34	inspector WITH bid	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 07:14
S30	15	("20110099081" | "20020073049" | "20070192229" | "20050251400" | "7146331" | "20100042508").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 07:17
S31	84	candidate WITH inspector	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 07:25
S32	1048	(available candidate) WITH (inspector)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 07:25

S33	35	(available candidate) WITH (inspector) SAME (owner)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 07:26
S34	62	(list$3) WITH (available candidate) WITH (inspector)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 07:38
S35	5	(retriev$3 access$3 generat$3) WITH (list$3) WITH (available candidate certified approved compliance) WITH (inspector)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 07:39
S36	73	(list$3) WITH (available candidate certified approved compliance) WITH (inspector)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 07:39
S37	165	(receiv$3 collect$3) WITH (bid) WITH (perform) WITH (inspection service)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 13:31
S38	82	S37 AND (acceptance confirmation selection) WITH (bid)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 13:34
S39	0	(receiv$3 collect$3) WITH (bid offer) WITH (perform) WITH (inspection service) WITH (inspector)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 13:35
S40	2	(receiv$3 collect$3) WITH (bid offer) WITH (perform) WITH (inspection service) WITH (inspector contractor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 13:35
S41	151	(bid offer) WITH (perform) WITH (inspection)	US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	2018/02/28 13:36

			DERWENT; IBM_TDB			
S42	8	(select$4) WITH (bid offer) WITH (perform) WITH (inspection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 13:39
S43	8	(select$4) WITH (bid offer) SAME (perform) WITH (inspection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 13:39
S45	23	((bid offer) WITH (perform) WITH (inspection)).ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 14:02
S46	20	((marketplace market$place) SAME (perform) WITH (inspection))	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 14:04
S47	44	((marketplace market$place) SAME (inspector))	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 14:05
S48	223	((bid offer$4) WITH (inspector))	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 14:08
S49	230	((bid offer$4 quote) WITH (complete perform) WITH (inspection))	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 14:12
S50	570	((bid offer$4 quote estimation fee price) WITH (complete perform) WITH (inspection))	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 14:13
S51	33	S50 AND (list$4) WITH (inspector contractor provider)	US-PGPUB; USPAT; USOCR;	OR	ON	2018/02/28 14:14

			FPRS; EPO; DERWENT; IBM_TDB			
S52	0	((request$4) WITH (bid offer$4 quote estimate estimation fee price) WITH (complete perform) WITH (inspection)) AND (contract agreement) WITH (inspect)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 14:24
S53	25	((request$4 solicit$6) WITH (bid offer$4 quote estimate estimation fee price) WITH (complete perform) WITH (inspection))	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 14:26
S54	15	(due) WITH (inspection) AND (proposal quote) WITH (inspect)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 14:34
S55	26	(qualified certified approved licensed) WITH (inspector) AND (proposal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 14:39
S56	4488	(request) NEAR3 (proposal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 15:00
S57	89	(request) NEAR3 (proposal) AND (inspector)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 15:01
S58	195	(bid) NEAR3 (proposal) SAME (inspector contractor vendor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 15:08
S59	31	(receiv$3 collect$3 gather$3 obtain$3 aggregat$4 compil$5) WITH (bid) NEAR3 (proposal) SAME (inspector contractor vendor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 15:14
S60	8	("20030088534" | "20090049094" |	US-PGPUB;	OR	ON	2018/02/28

		"20090216552").PN.	USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB				15:27

EAST Search History (Interference)

< This search history is empty>

11/15/2018 8:14:18 AM
C:\Users\epratt\Documents\EAST\Workspaces\12011202 - Systems and Methods for a Web based inspection compliance registry and communication tool.wsp

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	12011202	Filing Date	2008-01-23	Docket Number (if applicable)	220867-1000	Art Unit	3629
First Named Inventor	Andrew Moren			Examiner Name	Ehrin Larmont Pratt		

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 061629

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

Signature of Registered U.S. Patent Practitioner			
Signature	/Kevin S. Ormiston/	Date (YYYY-MM-DD)	2019-05-28
Name	Kevin S. Ormiston	Registration Number	75003

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.

REMARKS

Claims 1-6, 8, and 21-30 are pending and stand rejected. Claims 9-20 have been withdrawn. Claims 7 and 26 have been cancelled. Claims 1, 3-5, 8, 21-22, 25, 27, and 30, have been amended. No new matter has been added to the application. Pursuant to 37 C.F.R. § 1.111, Applicants respectfully request reconsideration of the present application.

A three-month extension of time in which to respond to the Office Action dated November 26, 2018 is respectfully requested.

REJECTION OF CLAIMS 1-8 AND 21-30 UNDER 35 U.S.C. § 101

Claims 1-8 and 21-30 are rejected under 35 U.S.C. 101 as being allegedly directed to a judicial exception without significantly more. The Examiner's rejection is respectfully traversed.

In making the rejection, the Examiner states that:

> "Claim(s) 1-8 and 21-30 is/are directed to the abstract idea... and the claim(s) does/do not include additional elements that are sufficient to amount to significantly more than the judicial exception because when considered both individually and as an ordered combination they do not amount to significantly more than the abstract idea. . . . At best, each step requires generic computing components to perform generic computer functions," Action, pages 2-4.

In response, Applicant states that as per the new revised 101 subject matter eligibility guidance as of January 7, 2019, the rejection should be withdrawn.

Applicant submits that the claims are directed to a computer-implemented method for tracking a requisite inspection of an owned asset using a web registry, and therefore qualifies over the Step 1 of analysis proposed by USPTO.

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With respect to prong 1 of Step 2A "Evaluate whether the claim recites a judicial exception (an abstract idea, a law of nature, or a natural phenomenon)," and Office Action on page 2 recites that "the claims are directed to an abstract idea". Applicant respectfully rejects such assertion.

In response, Applicant submits that the claims are directed to a computer-implemented method for tracking a requisite inspection of an owned asset using a web registry. Further, the claims are directed to a novel method and/or system for collecting asset information and posting the same along with the inspection in a web registry, so that **the updated information is advantageously viewed by all interested parties. This helps in saving valuable time,** for example, trying to locate the asset at the time of an emergency.

Further, the information stored in the web registry includes asset ownership, make, model, year, color, condition, rating of needed maintenance (critical, important, light, or none), specific recommended maintenance, pressure, flow, GPS location, address, time of inspection, environment conditions during inspection, landscaping, digital picture of asset, nozzle size and orientation, physical description of asset, special markings, service record, water quality, and asset number. Thus, sharing this information via the web registry, enables all the viewers, including the asset owner, the asset inspectors, and even the first responders to utilize this information and make use of the asset, whenever required.

Therefore, the claims are not related to the abstract idea and thus the rejection should be withdrawn.

With respect to prong 2 of Step 2A "Evaluate whether the claim recites additional elements that integrate the exception into a practical application of the exception," Applicant states that the claims are directed to a computer-implemented method for tracking a requisite inspection of an owned asset using a web registry. Such method includes retrieving records of assets from a database to generate an inspection list including each asset due and each asset within a designatable interval of being due for inspection. For each asset on the inspection list, a list of qualified inspectors is retrieved. Further, a notice is generated which notifies an owner of the asset of an impending deadline for the inspection. Further, the method includes receiving at a server through an internet portal, information that one of the qualified inspectors supplies, the

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information garnered by performing the required inspection. Based upon the received information, a report is compiled. Successively, the report is transmitted to an approving authority and the records relative to the asset is augmented to reflect the information the inspector supplies when the inspection is approved by the approving authority. Thereafter, a monetary transaction is completed between the asset owner and the inspector when the inspection is approved by the approving authority. Thus, such improved method results as an improvement in the field of computer technology, facilitating in better approach of tracking a requisite inspection of an owned asset.

Further, in a scenario, a better approach of extinguishing a fire by showing best hydrant (asset) for fire department to connect to and also give visual reference of that hydrant prior to arriving at the site. Such **improved method of record keeping** hydrant information will improve a city's ISO (insurance) rating **which will save money in fire insurance premiums for local businesses and homes**. Further, the web based compliance registry is advantageous to improve the process of inspections and in many cases introduce a new ability to enforce inspections. Further, the claimed method provides an **easier way for authorities to charge for their review time and a way to confirm inspection companies are licensed to work in their city.**

Thus, the current claimed invention recites additional elements that integrate the exception into a practical application of the exception. Therefore, the rejection is improper and should be withdrawn.

With respect to Step 2B "Does the claim recite additional elements that amount to significantly more than the judicial exception" of USPTO guidelines, Applicant respectfully submits that the claims also include specific limitations that "amount to significantly more than the abstract idea of itself."

To summarize, independent claim 1, for example, recites

"transmitting, from the approving authority, a notice to the owner of the asset, the notice to include a report of the received information;

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augmenting at the database, the records relative to the asset to reflect the information the inspector supplies when the inspection is approved by the approving authority."

Firstly, the claimed invention enables tracking a requisite inspection of an owned asset using a web registry, so that the updated information is advantageously viewed by all interested parties. Further, the web based compliance registry is advantageous to improve the process of inspections and in many cases introduce a new ability to enforce inspections.

Secondly, the claimed method provides a method to augment the records relative to the asset to reflect the information the inspector supplies when the inspection is approved by the approving authority. Thus, the method may enable a particular standard format for collecting asset information, so that all the interested parties can easily access the information. In an aspect, such method provides an easier way for authorities to charge for their review time and a way to confirm inspection companies are licensed to work in their city. In another aspect, such improved method overcomes the disadvantage of using current fire hydrant management software i.e. the limitation of communication within the department and interdepartmentally.

Therefore, the claims include limitations that amount to significantly more than "an idea of itself."

The Applicant thus respectfully requests the Examiner to avoid oversimplifying the claims by looking at them generally to interpret an abstract idea in terms of "abstract idea of itself" and to consider the specific requirements of the claim, as explained above, that amounts to significantly more.

Further, similar to automatic lip synchronization and facial expression animation using computer-implemented rules that was found patent eligible under 35 U.S.C. § 101 in *McRO, Inc. v. Bandai Namco Games America*, claims 1, 5, and 21 are also directed to an improvement in computer-related technology i.e. facilitating tracking a requisite inspection of an owned asset

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using a web registry and so that **the updated information is advantageously viewed by all interested parties,** that previously couldn't be achieved.

Accordingly, Applicant respectfully submits that the amended claim 1 and the above-mentioned arguments recite patent eligible subject matter, rendering the rejection improper, and Applicant requests withdrawal of the rejection.

The Office Action, on pages 4-5, recites "[a]dditionally, the claimed invention of independent claim 5 recites a "computer- implement method" and the claimed invention of independent claim 21 recites a 'computer-implement method' with limitations that are substantially similar to the claimed invention of claim 1, thus have been found patent in-eligible for the same rationales."

In response, Claims 5 and 21 also include the above argued significant limitations and direct to a patent eligible subject matter, and therefore withdrawal of their rejection is also requested.

Further, dependent claims 2-4 are also allowable under 35 USC § 101 for their dependence on allowable claim 1, and claims 6 and 8 are also allowable for their dependency on independent claim 5. Further, claims 22-25 and 27-30 are also allowable for their dependency on independent claim 21. Thus, Applicant respectfully requests the Examiner to withdraw this rejection.

REJECTION OF CLAIMS 1-2 AND 4 UNDER 35 U.S.C. § 103(A)

Claim 1-2 and 4 are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over U.S. Patent Publication Application No. 2008/0084291 (hereinafter known as "Campion") in further view of U.S. Patent Application No. 7,831,628 (hereinafter known as "Silva").

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Independent Claim 1

Independent claim 1 has been amended to incorporate features of dependent claim 4. Further, amended independent claim 1, in pertinent parts, recites "transmitting the report completed inspection to an approving authority;" and "**transmitting, from the approving authority, a notice to the owner of the asset, the notice to include a report of the received information and where the received information includes a noted deficiency.**" Such limitations are not disclosed by the cited references, neither alone nor in combination.

Regarding claim 4, the Office Action, on page 9 recites, "transmitting a notice to the owner of the asset (0043: discloses providing a notification to a building owner.), the notice to include a report of the received information (0043) and where the received information includes a noted deficiency (0029, 0058), the report to include a course of action based upon the received information (0057), the course of action to include remedy of the deficiency(0057), the report transmitted from the approving authority (0065-0066)." The Applicant disagrees with this assertion.

Campion, in cited paragraphs or elsewhere, describes a method for facilitating operations such as an authenticated test of life safety equipment having components including a control panel and sensors. Campion further discloses about providing proper forms for submitting authenticated information as to why a system has failed. Campion, at best, discloses that a notification is provided to a building owner. However, Campion nowhere discloses that the notification includes deficiencies related to the asset, that is being provided to the building owner. Hence, Campion fails to teach or suggest, "transmitting, from the approving authority, a

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notice to the owner of the asset, the notice to include a report of the received information and where the received information includes a noted deficiency."

On the other hand, Silva discloses a method to facilitate a building department of a municipality's management and administration of its operations over an electronic data transfer network. However, Silva nowhere discloses that a noted deficiency related to the assets is included in the notification being provided to the building owner.

Hence, Campion and Silva, either alone or in combination, fails to teach or suggest every limitation required by Claim 1. Therefore, Applicant respectfully submits that in light of the above discussion, the rejection of claim 1 should be withdrawn. Thus, the Claim 1 is patentable.

Further, rejection of dependent claims 2 and 4 shall be withdrawn, in light of their dependency on amended independent claim 1, which is shown above to be patentable.

REJECTION OF CLAIMS 3 AND 5-8 UNDER 35 U.S.C. § 103(A)

Claims 3 and 5-8 are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Campion in view of Silva in further view of U.S. Patent Application No. 6,446,053 (hereinafter known as "Elliott").

Independent Claim 5

Independent claim 5 has been amended to incorporate features of dependent claim 7. Further, amended independent claim 5, in pertinent parts, recites "receiving, from the at least one inspector, **inspection information indicating the status of the asset**, **wherein the received**

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inspection information includes receiving information describing deficiencies in the asset job, the owner of an asset receiving bids from qualified inspectors based on the needs of the asset." Such limitations are not disclosed by the cited references, neither alone nor in combination.

The Office Action, on pages 11 and 12, recites, "receiving, from the at least one inspector, inspection information indicating the status of the asset (0043: discloses multiple testers can perform inspections by accessing data server. The test data generated from the test can be stored such that test data can be provided into standard forms required by jurisdictions for reporting information such as inspection status, test results, and the like.)"

The Office Action relies on paragraph [0043] of Campion, which discloses as:

> It will be appreciated that the present invention is contemplated such that multiple testers can perform inspections by accessing, for example, data server 520 from multiple web browsers such as from devices 532-535 at one time. Also, while one web server 530 is shown, it is also contemplated that many web servers 530 could be used to access data server 520 to perform multiple inspections on multiple sites by multiple testers at one time, subject, of course, to ordinary delays caused by the demands for access generated by the multiple inspectors or testers. It should be noted that the test data generated from the tests can be stored as described such that the test data can be provided into standard forms required by jurisdictions for reporting information **such as inspection status**, test results and the like. The data and authenticated forms can be used to provide notification to a building owner of inspections required during a particular time frame, notification of upcoming inspections and scheduling of upcoming inspections through calendars or other schedule management tools. The data can also include inventories of equipment or the like.

Campion, at best, describes that test data generated from the test is stored such that the test data is provided to into standard forms required by jurisdictions for reporting information such as the **inspection status**. However, Campion nowhere discloses that the inspection

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information **indicates the status of the asset**. Thus, Campion fails to teach or suggest "receiving, from the at least one inspector, **inspection information indicating the status of the asset**, wherein the received inspection information includes receiving information describing deficiencies in the asset job, the owner of an asset receiving bids from qualified inspectors based on the needs of the asset."

Further, regarding claim 7, the Office Action on page 15 recites, "col. 10: 47-67 and col. 11: 1-60: Elliott discloses once the proposal is complete to the user's satisfaction the application prepares it for submission. The contractor database is searched for contractors in the designated area. Each contractor tends to bid differently so by sending the proposal to several contractors the user can compare prices for different contractors for the project." The Applicant respectfully disagrees such assertion.

Elliot, in cited paragraphs or elsewhere, describes a method which enables a user to develop a construction proposal including a detailed graphical model and a detailed cost estimate model. Further, Elliot discloses that a contractor is able to contact the user in real-time. However, Elliot nowhere discloses that inspection information describes deficiencies in the asset.

Hence, Elliot fails to teach or suggest the features, as recited by amended independent claim 5, more particularly, "receiving, from the at least one inspector, inspection information indicating the status of the asset, **wherein the received inspection information includes receiving information describing deficiencies in the asset job, the owner of an asset receiving bids from qualified inspectors based on the needs of the asset**."

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Hence, Campion, Silva, and Elliot, either alone or in combination, fails to teach or suggest every limitation required by Claim 5. Therefore, Applicant respectfully submits that in light of the above discussion, the rejection of claim 5 should be withdrawn. Thus, the Claim 5 is patentable.

Further, rejection of dependent claim 3 shall be withdrawn, in light of its dependency on independent claim 1, which is shown above to be patentable.

Further, rejection of dependent claims 6 and 8 shall be withdrawn, in light of their dependency on independent claim 5, which is discussed above to be patentable.

Rejection of claim 7 stands moot, in view of its cancellation.

REJECTION OF CLAIMS 21-22, 25-27 AND 30 UNDER 35 U.S.C. § 103(A)

Claims 21-22, 25-27 and 30 are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Campion in view of U.S. Publication Application No. 2008/0114638 (hereinafter known as "Colliau").

Independent Claim 21

Independent claim 21 has been amended to incorporate features of dependent claim 26. Further, amended independent claim 21, in pertinent parts, recites "transmitting to the approval authority, a compliance report including noting compliance, **wherein the compliance report includes, noting deficiencies in the asset and storing the noted deficiencies in association**

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with the asset." Such limitations are not disclosed by the cited references, neither alone nor in combination.

Regarding claim 26, the Office Action on page 18 recites, "With respect to claims 26 and 30, the combination of Campion and Colliau discloses the method, wherein the compiling the report includes; Noting deficiencies in the asset and storing the noted deficiencies in association with the asset. (See Campion - 0054-0055, 0064-0066)." The Applicant respectfully disagrees such assertion.

In response, Applicant has amended claim 21 to include the above-argued limitation of Claim 1. Hence, Campion fails to teach or suggest, "transmitting to the approval authority, a compliance report including noting compliance, **wherein the compliance report includes, noting deficiencies in the asset and storing the noted deficiencies in association with the asset**."

Further, Colliau is neither contended to, neither does it teaches or suggests the features of claim 21, as discussed above.

Hence, Campion and Colliau, either alone or in combination, fails to teach or suggest every limitation, as disclosed in amended independent claim 21.

Therefore, Applicant respectfully submits that in light of the above discussion, the rejection of claim 21 should be withdrawn. Thus, the Claim 21 is patentable.

Further, rejection of dependent claims 22, 25-26, and 30, shall be withdrawn, in light of its dependency on independent claim 21, which is shown above to be patentable.

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Rejection of claim 26 stands moot, in view of its cancellation.

REJECTION OF CLAIMS 23-24 AND 28-29 UNDER 35 U.S.C. § 103(A)

Claims 23-24 and 28-29 are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Campion in view of Colliau in further view of Elliott.

Further, rejection of dependent claims 23-24 and 28-29 shall be withdrawn, in light of their dependency on amended independent claim 21, which is shown above to be patentable.

CONCLUSION

For the foregoing reasons, Applicants respectfully request withdrawal of the aforementioned objections and rejections and reconsideration of the application. If there are any remaining matters that may be handled by telephone conference, the Examiner is kindly invited to call the undersigned. Any additional fees or overpayment as a result of this filing may be charged to Deposit Account No. 061629.

Respectfully submitted,

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IN THE CLAIMS:

1. (Currently Amended) A computer-implemented method for using a web registry to track a requisite inspection of an owned asset comprising:

retrieving records of assets from a database to generate an inspection list including each asset due and each asset within a designatable interval of being due for inspection;

for each asset on the inspection list, retrieving a list of qualified inspectors according to designatable attributes including proximity to the asset;

generating a notice notifying an owner of the asset of an impending deadline for the inspection such notice to include the list of qualified inspectors for the asset;

receiving, at a server through an internet portal, information that one of the qualified inspectors supplies, the information garnered by performing the required inspection;

compiling a report based upon the information the inspector supplies in accord with a template configured to the asset;

transmitting the report completed inspection to an approving authority;

transmitting, from the approving authority, a notice to the owner of the asset, the notice to include a report of the received information and where the received information includes a noted deficiency;

augmenting at the database, the records relative to the asset to reflect the information the inspector supplies when the inspection is approved by the approving authority; and

completing a monetary transaction between the asset owner and the inspector when the inspection is approved by the approving authority.

2. (Previously Presented) The method of Claim 1 further comprising:

at a computer in network communication with the database, entering initial information about a non-included asset that requires periodic inspection to comply with a code.

3. (Currently Amended) The method of Claim 1 further comprising:

for each asset on the inspection list, transmitting to each qualified inspector on the list of qualified inspectors relative to the asset information about the asset sufficient for the qualified inspectors to generate a bid to inspect the asset;

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receiving bids for a contract to inspect the asset from at least one of the qualified inspectors relative to the asset;

transmitting the received bids of the asset;

receiving a selection of a bid from the owner of the asset from among the received bids; and

transmitting to the qualified inspector who submitted the received selection, an acceptance of the bid.

4. (Currently Amended) The method of Claim 1, wherein ~~further comprising:~~

~~transmitting a notice to the owner of the asset, the notice to include a report of the received information and where the received information includes a noted deficiency,~~ the report of the received information~~to include~~ includes a course of action based upon the received information, the course of action to include remedy of the deficiency~~, the report transmitted from the approving authority~~.

5. (Currently Amended) A computer-implemented method for using a web registry to track an asset owner's inspection compliance, the computer-implemented method comprising:

at a database including records of assets, compiling an inspection list to include those assets which, after expiration of a designatable interval, will require an inspection;

generating with respect to at least one asset, a list of the qualified inspectors that are available to inspect the asset based upon attributes including proximity to the asset;

transmitting a notification to an owner of the at least one asset on the inspection list, including the list of qualified inspectors, indicating that the asset requires an inspection;

displaying, at a web portal, attributes of the at least one asset, to at least one of the qualified inspectors from the list of qualified inspectors relative to the asset, the attributes selected to enable the at least one of the qualified inspectors to formulate a bid for a contract to inspect the asset;

receiving at the web portal a bid from the at least one inspector from a list of qualified inspectors;

displaying to the owner the bid from the at least one inspector for selection;

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receiving, at the web portal, the selection of a bid from the owner, such selection to include a form of payment for the inspection;

notifying the at least one inspector of a contract to inspect based upon the selected bid;

receiving, from the at least one inspector, inspection information indicating the status of the asset, wherein the received inspection information includes receiving information describing deficiencies in the asset job, the owner of an asset receiving bids from qualified inspectors based on the needs of the asset;

notifying the approval authority of the inspection information;

receiving approval from the approval authority;

transmitting a notification that an inspection was completed and approved by an approving authority; and

releasing to the inspector the payment.

6. (Previously Presented) The method of Claim 5 further comprising:

populating the database with initial information about an asset that requires periodic inspection to comply with a code.

7. (Cancelled)

8. (Currently Amended) The method of Claim 5[[7]], wherein the receiving inspection information, further comprises:

collecting inspection information using a handheld device.

9. (Withdrawn) A method for using a web based registry containing fire hydrant information comprising: activating a handheld device configured to receive global positioning system location signals and wirelessly connected to the web registry containing fire hydrant information; determining fire hydrants in proximity to the handheld device using the global positioning system location and the web registry containing fire hydrant information; and displaying on a handheld device display a status of a plurality of fire hydrants within a predefined radius of the handheld device.

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10. (Withdrawn) The method of Claim 9 further comprising: displaying on a handheld device display detailed information about each fire hydrant within a predefined radius of the handheld device.

11. (Withdrawn) The method of Claim 9 further comprising: displaying a route to the closest working fire hydrant to the handheld device.

12. (Withdrawn) The method of Claim 9 further comprising: displaying a route to the closest non-working fire hydrant to the handheld device.

13. (Withdrawn) The method of Claim 10 further comprising: entering a location of interest into the handheld device; determining fire hydrants in proximity to the location of interest and the web registry containing fire hydrant information; and displaying on the handheld device display a status of a plurality of fire hydrants in proximity to the location of interest.

14. (Withdrawn) The method of Claim 9 further comprising: receiving radio frequency identification signals from a fire hydrant with an installed radio frequency identification chip.

15. (Withdrawn) The method of Claim 9 further comprising: receiving information using the handheld device have a bar code reader from a fire hydrant with an installed barcode.

16. (Withdrawn) A system for a web based compliance registry comprising: a processor; a display; a database in data communication with the processor and the display configured to store owned asset information; a user interface in data communication with the database configured to show owned asset information on the display; and a handheld device configured to wirelessly connect to the user interface and with the database in order to input and view owned asset data wirelessly and to store specific information based on its global position.

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17. (Withdrawn) The system of Claim 16 wherein the database is stored locally on a computer.

18. (Withdrawn) The system of Claim 16 wherein the database is accessible by a computer over a network connection.

19. (Withdrawn) The system of Claim 16 wherein the owned asset is a fire hydrant.

20. (Withdrawn) The system of Claim 19 wherein the database is configured to store fire hydrant information related to at least one of hydrant ownership, make, model, year, color, condition, rating of needed maintenance, specific recommended maintenance, pressure, flow, location, address, time of inspection, environment conditions during inspection, landscaping, digital picture of hydrant, nozzle size and orientation, physical description of hydrant, special markings, service record, water quality, and hydrant number.

21. (Currently Amended) A computer-implemented method for using a web-based registry to track requisite inspection of an owned asset comprising:

notifying an owner of an asset at a designatable interval in advance of an impending deadline for the inspection;

upon logging on to a password controlled website, providing to an inspector the owner selects, the selection based upon a list of qualified inspectors that are available to inspect the asset based upon attributes including proximity to the asset, a web-based template configured to describe the asset an each of the steps of the inspection;

receiving from the inspector, inspection information in specific response to the web-based template;

storing in a database in association with the asset[[;]], the inspection information;

transmitting to the approval authority, a compliance report including noting compliance, wherein the compliance report includes, noting deficiencies in the asset and storing the noted deficiencies in association with the asset.

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22. (Currently Amended) The method of Claim 21, wherein the storing further includes:

storing, in association with the asset a new deadline date, based upon completion of the inspection.

23. (Previously Presented) The method of Claim 22 further comprising:

receiving bids to perform a suitably compliant inspection of the asset from a group of qualified inspectors including, at least, the inspector; and

presenting to the owner a compilation of the bids for selection of the inspector.

24. (Previously Presented) The method of Claim 23 further comprising:

based upon the owner selecting the inspector, scheduling the inspector's inspection of the asset based upon the impending deadline, the inspector's availability, and the asset availability.

25. (Currently Amended) The method of Claim 21, wherein the compiling the report includes:

receiving, from the inspector, ~~Inspector~~ photographs of the asset or components of the asset; and

storing the photographs in association with the asset and the date of the inspection.

26. (Cancelled)

27. (Currently Amended) The method of Claim [[26]]21, wherein the noting deficiencies further comprises:

selecting a remedy deficiency deadline based upon the noted deficiency and the date of the inspection; and

storing in association with the asset a remedy deficiency deadline.

28. (Previously Presented) The method of Claim 27, further comprising

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receiving bids to perform a suitably compliant remedy of the deficiency from a group of qualified contractors; and

presenting to the owner a compilation of the bids for selection of a contractor to remedy the deficiency.

29. (Presently Presented) The method of Claim 28 further comprising:

based upon the owner selecting the contractor, scheduling the contractor to remedy the deficiency based upon the remedy deficiency deadline, the contractor's availability, and the asset availability.

30. (Currently Amended) The method of Claim [[26]]21, further comprising:

compiling compliance report including the noted deficiency.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Andrew Moren et al.	Attorney Docket No.	220867-1000-100
Application No.	12/011,202	Group Art Unit:	3629
Filing Date:	January 23, 2008	Examiner:	PRATT, EHRIN LARMONT

Title: SYSTEMS AND METHODS FOR A WEB BASED INSPECTION COMPLIANCE REGISTRY AND COMMUNICATION TOOL

AMENDMENT AND RESPONSE TO FINAL OFFICE ACTION

TO THE COMMISSIONER OF PATENTS:

This paper is responsive to the outstanding Final Office Action mailed November 26, 2018.

Amendments to the claims begin on page 2.

Remarks begin on page 9.

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Electronic Patent Application Fee Transmittal

Application Number:	12011202
Filing Date:	23-Jan-2008
Title of Invention:	Systems and methods for a web based inspection compliance registry and communication tool
First Named Inventor/Applicant Name:	Andrew Moren
Filer:	Richard Thomas Black/Kristine Springer
Attorney Docket Number:	220867-1000-100

Filed as Small Entity

Filing Fees for Utility under 35 USC 111(a)

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

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension - 3 months with $0 paid	2253	1	700	700
Miscellaneous:				
RCE- 2ND AND SUBSEQUENT REQUEST	2820	1	950	950
		Total in USD ($)		**1650**

Electronic Acknowledgement Receipt

EFS ID:	36123765
Application Number:	12011202
International Application Number:	
Confirmation Number:	7547
Title of Invention:	Systems and methods for a web based inspection compliance registry and communication tool
First Named Inventor/Applicant Name:	Andrew Moren
Customer Number:	16579
Filer:	Richard Thomas Black/Kristine Springer
Filer Authorized By:	Richard Thomas Black
Attorney Docket Number:	220867-1000-100
Receipt Date:	28-MAY-2019
Filing Date:	23-JAN-2008
Time Stamp:	12:43:41
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	$1650
RAM confirmation Number	052819INTEFSW00019737061629
Deposit Account	061629
Authorized User	Kristine Springer

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 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Request for Continued Examination (RCE)	20190528_RCE2.pdf	697591 638f60c3bd2cf0e8f0a2d2deb54337703fd8fe36	no	3
Warnings:					
Information:					
2		20190528_ResponseAF.pdf	203532 6c65c814fe2df3de7231ae8894e75e89f5991c90	yes	20

Multipart Description/PDF files in .zip description

Document Description	Start	End
Applicant Arguments/Remarks Made in an Amendment	9	20
Claims	2	8
Amendment Submitted/Entered with Filing of CPA/RCE	1	1

Warnings:					
Information:					
3	Fee Worksheet (SB06)	fee-info.pdf	32500 c29706b0dd29ce1d65665a1871a3f81ab75ef74a	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	933623		

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

PTO/SB/06 (09-11)
Approved for use through 1/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 12/011,202	Filing Date 01/23/2008	☐ 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 $25 =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*		x $ 105 =	
☐ 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	05/28/2019	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 28	Minus	** 30	= 0		x $ 50 =	0
	Independent (37 CFR 1.16(h))	* 5	Minus	*** 5	= 0		x $ 230 =	0
	☐ Application Size Fee (37 CFR 1.16(s))							
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							
							TOTAL ADD'L FEE	0

		(Column 1)		(Column 2)	(Column 3)			
AMENDMENT		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	*	Minus	**	=		x $ 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".	/SHARON D HARRIS/
*** 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.
12/011,202	01/23/2008	Andrew Moren	220867-1000-100	7547

16579 7590 10/31/2019

Foster Garvey PC
1111 Third Avenue, Suite 3000
Seattle, WA 98101-3296

EXAMINER	
PRATT, EHRIN LARMONT	

ART UNIT	PAPER NUMBER
3629	

NOTIFICATION DATE	DELIVERY MODE
10/31/2019	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):

kristine.springer@foster.com
patents@foster.com

Office Action Summary	Application No. 12/011,202	Applicant(s) Moren et al.	
	Examiner EHRIN PRATT	Art Unit 3629	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 28 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) 1-6,8,21-25 and 27-30 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) 1-6,8,21-25 and 27-30 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: _____.

BRYCER
Exhibit 1002
Page 439 of 709

DETAILED ACTION

This communication is a Non-Final Office Action on the merits in response to communications received on 5/28/2019. Claims 7 and 26 have been canceled. Claims 1, 3-5, 8, 21-22, 25, 27, and 30 have been amended. Therefore, Claims 1-6, 8, and 21-25, and 27-30 are pending and have been addressed below. The present application is being examined under the pre-AIA first to invent provisions.

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 5/28/2019 has been entered.

Claim Rejections - 35 USC § 101

2. 35 U.S.C. 101 reads as follows:

> Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

3. **Claims 1-6, 8, 21-25, 27-30 are rejected under 35 U.S.C. 101 because the claimed invention is directed to an abstract idea without significantly more.**

4. Under Step 1 of the two-part analysis from Alice Corp, Claims 1, 5, and 21 are directed to a process (an act or series of acts or steps). Thus, each of the claims falls within one of the four statutory categories.

5. Under Step 2A – Prong One of the two-part analysis from Alice Corp, the claimed invention is directed to an abstract idea.

6. Claim 1 recites "*receiving information that one of the qualified inspectors supplies, the information garnered by performing the required inspection…compiling a report based upon the information the inspector supplies in accord with a template configured to the asset…and completing a monetary transaction between the asset owner and the inspector when the inspection is approved by the approving authority*."

The limitations as drafted under their broadest reasonable interpretation fall within the "certain methods of organizing human activity" grouping of abstract ideas because the series of steps involve collecting information from an inspector and completing a monetary transaction between the asset owner and the inspector which encompasses commercial interactions or legal interactions (including agreements in the form of contract, marketing or sales activities or behaviors, business relations), managing personal behavior or relationships or interactions between people (including, social activities, teaching, and following rules or instructions).

As such these steps as recited in the claims are an abstract idea.

Under Step 2A – Prong Two of the two-part analysis from Alice Corp, this judicial exception is not integrated into a practical application because the additional elements of... a database … a server through an internet portal – see claim 1 are tools to implement the abstract idea and do not render the claims patent eligible

because the claims require no more than generic computers (See Spec, ¶ 0023) performing functions that correspond to acts required to carry out the abstract idea. See MPEP 2106.05 (f)

The additional elements of... a computer-implemented method for using a web registry to track a requisite inspection of an owned asset generally links the use of the judicial exception to a particular technological environment or field of use. See MPEP 2106.05 (h)

The additional elements of...retrieving records of assets from a database to generate an inspection list including each asset due and each asset within a designatable interval of being due for inspection; for each asset on the inspection list, retrieving a list of qualified inspectors according to designatable attributes including proximity to the asset; generating a notice notifying an owner of the asset of an impending deadline for the inspection such notice to include the list of qualified inspectors for the asset... augmenting at the database, the records relative to the asset to reflect the information the inspector supplies when the inspection is approved by the approving authority add insignificant extra solution activity to the judicial exception such as mere data gathering. See MPEP 2106.05(g)

The additional elements of... transmitting the report completed inspection to an approving authority; transmitting, from the approving authority, a notice to the owner of the asset, the notice to include a report of the received information and where the received information includes a noted deficiency add insignificant extra solution activity to the judicial exception such as data transmitting. See MPEP 2106.05(g)

Thus, the additional claim elements are not indicative of integration into a practical application, because the claims do not involve improvements to the functioning of a computer, or to any other technology or technical field (MPEP 2106.05(a)), the claims do not apply or use the abstract idea to effect a particular treatment or prophylaxis for a disease or medical condition (Vanda Memo), the claims do not apply the abstract idea with, or by use of, a particular machine (MPEP 2106.05(b)), the claims do not effect a transformation or reduction of a particular article to a different state or thing (MPEP 2106.05(c)), and the claims do not apply or use the abstract idea in some other meaningful way beyond generally linking the use of the abstract idea to a particular technological environment, such that the claim as a whole is more than a drafting effort designed to monopolize the exception (MPEP 2106.05(e) and Vanda Memo). Therefore, the claims do not, for example, purport to improve the functioning of a computer. Nor do they effect an improvement in any other technology or technical field.

Accordingly, the additional elements do not impose any meaningful limits on practicing the abstract idea and the claims are directed to an abstract idea. The claims do not include additional elements that, when analyzed individually and in combination, are sufficient to amount to significantly more than the judicial exception.

7. As discussed above with respect to integration of the abstract idea into a practical application, the additional elements of… a database … a server through an internet portal amount to mere instructions to implement an abstract idea on a computer. The additional limitations of…retrieving records of assets from a database to generate an inspection list including each asset due and each asset within a

designatable interval of being due for inspection; for each asset on the inspection list, retrieving a list of qualified inspectors according to designatable attributes including proximity to the asset; generating a notice notifying an owner of the asset of an impending deadline for the inspection such notice to include the list of qualified inspectors for the asset… augmenting at the database, the records relative to the asset to reflect the information the inspector supplies when the inspection is approved by the approving authority… transmitting the report completed inspection to an approving authority; transmitting, from the approving authority, a notice to the owner of the asset, the notice to include a report of the received information and where the received information includes a noted deficiency were considered to be extra-solution activity in Step 2A, and thus are re-evaluated in Step 2B to determine if it is more than what is well-understood, routine, conventional activity in the field.

The Symantec, TLI, and OIP Techs court decisions cited in MPEP 2106.05(d)(II) have recognized that receiving or transmitting data over a network, e.g., using the Internet to gather data and storing and retrieving information in memory are well understood, routine, and conventional functions when claimed in a generic manner. The Alice and Ultramercial court decisions cited in MPEP 2106.05(d)(II) have recognized that electronic recordkeeping and updating an activity log are well understood, routine, and conventional functions when claimed in a generic manner. Accordingly, the conclusion that the retrieving, generating, augmenting, and transmitting steps are well-understood, routine, conventional activity is supported under Berkheimer Option 2. Thus, at Step 2B the claims are ineligible.

8. Claims 2-3 are dependent of claim 1 include all the limitations of claim 1. Therefore, claim 2-3 recite the same abstract idea recited in claim 1. The dependent claims recite additional limitations that further describe the abstract idea and additional limitations that are no more than mere instructions to apply the exception using a generic computer components. Accordingly, these additional elements does not provide an inventive concept or integrate the abstract idea into a practical application because they do not impose any meaningful limits on practicing the abstract idea.

9. Under Step 2A – Prong One of the two-part analysis from Alice Corp, the claimed invention is directed to an abstract idea.

10. Claim 5 recites "*receiving a bid from the at least one inspector from a list of qualified inspectors…receiving the selection of a bid from the owner, such selection to include a form of payment for the inspection…receiving, from the at least one inspector, inspection information indicating the status of the asset, wherein the received inspection information includes receiving information describing deficiencies in the asset job, the owner of an asset receiving bids from qualified inspectors based on the needs of the asset…and releasing to the inspector the payment.*"

The limitations as drafted under their broadest reasonable interpretation fall within the "certain methods of organizing human activity" grouping of abstract ideas because the series of steps involve collecting information from an inspector and owner and releasing payment to the inspector which encompasses commercial interactions or legal interactions (including agreements in the form of contract, marketing or sales activities or behaviors, business relations), managing personal behavior or relationships

or interactions between people (including, social activities, teaching, and following rules or instructions).

As such these steps as recited in the claims are an abstract idea.

11. Under Step 2A – Prong Two of the two-part analysis from Alice Corp, this judicial exception is not integrated into a practical application because the additional elements of... a database ... a web portal – see claim 5 are tools to implement the abstract idea and do not render the claims patent eligible because the claims require no more than generic computers (See Spec, ¶ 0023) performing functions that correspond to acts required to carry out the abstract idea. See MPEP 2106.05 (f)

The additional elements of... a computer-implemented method for using a web registry to track an asset owner's inspection compliance generally links the use of the judicial exception to a particular technological environment or field of use. See MPEP 2106.05 (h)

The additional elements of... at a database including records of assets, compiling an inspection list to include those assets which, after expiration of a designatable interval, will require an inspection; generating with respect to at least one asset, a list of the qualified inspectors that are available to inspect the asset based upon attributes including proximity to the asset; transmitting a notification to an owner of the at least one asset on the inspection list, including the list of qualified inspectors, indicating that the asset requires an inspection; displaying, at a web portal, attributes of the at least one asset, to at least one of the qualified inspectors from the list of qualified inspectors relative to the asset, the attributes selected to enable the at least one of the

qualified inspectors to formulate a bid for a contract to inspect the asset add insignificant extra solution activity to the judicial exception such as mere data gathering. See MPEP 2106.05(g)

The additional elements of displaying to the owner the bid from the at least one inspector for selection… notifying the at least one inspector of a contract to inspect based upon the selected bid…notifying the approval authority of the inspection information; receiving approval from the approval authority…transmitting a notification that an inspection was completed and approved by an approving authority add insignificant extra solution activity to the judicial exception such as data transmitting. See MPEP 2106.05(g)

Thus, the additional claim elements are not indicative of integration into a practical application, because the claims do not involve improvements to the functioning of a computer, or to any other technology or technical field (MPEP 2106.05(a)), the claims do not apply or use the abstract idea to effect a particular treatment or prophylaxis for a disease or medical condition (Vanda Memo), the claims do not apply the abstract idea with, or by use of, a particular machine (MPEP 2106.05(b)), the claims do not effect a transformation or reduction of a particular article to a different state or thing (MPEP 2106.05(c)), and the claims do not apply or use the abstract idea in some other meaningful way beyond generally linking the use of the abstract idea to a particular technological environment, such that the claim as a whole is more than a drafting effort designed to monopolize the exception (MPEP 2106.05(e) and Vanda Memo). Therefore, the claims do not, for example, purport to improve the functioning of

a computer. Nor do they effect an improvement in any other technology or technical field.

Accordingly, the additional elements do not impose any meaningful limits on practicing the abstract idea and the claims are directed to an abstract idea. The claims do not include additional elements that, when analyzed individually and in combination, are sufficient to amount to significantly more than the judicial exception.

12. As discussed above with respect to integration of the abstract idea into a practical application, the additional elements of… a database … a web portal amount to mere instructions to implement an abstract idea on a computer. The additional limitations of… at a database including records of assets, compiling an inspection list to include those assets which, after expiration of a designatable interval, will require an inspection; generating with respect to at least one asset, a list of the qualified inspectors that are available to inspect the asset based upon attributes including proximity to the asset; transmitting a notification to an owner of the at least one asset on the inspection list, including the list of qualified inspectors, indicating that the asset requires an inspection; displaying, at a web portal, attributes of the at least one asset, to at least one of the qualified inspectors from the list of qualified inspectors relative to the asset, the attributes selected to enable the at least one of the qualified inspectors to formulate a bid for a contract to inspect the asset… displaying to the owner the bid from the at least one inspector for selection… notifying the at least one inspector of a contract to inspect based upon the selected bid…notifying the approval authority of the inspection information; receiving approval from the approval authority…transmitting a notification that an inspection was completed and approved by an approving authority were

considered to be extra-solution activity in Step 2A, and thus are re-evaluated in Step 2B to determine if it is more than what is well-understood, routine, conventional activity in the field.

The Symantec, TLI, and OIP Techs court decisions cited in MPEP 2106.05(d)(II) have recognized that receiving or transmitting data over a network, e.g., using the Internet to gather data and storing and retrieving information in memory are well understood, routine, and conventional functions when claimed in a generic manner. The Alice and Ultramercial court decisions cited in MPEP 2106.05(d)(II) have recognized that electronic recordkeeping and updating an activity log are well understood, routine, and conventional functions when claimed in a generic manner. Accordingly, the conclusion that the compiling, generating, transmitting, displaying, and notifying steps are well-understood, routine, conventional activity is supported under Berkheimer Option 2. Thus, at Step 2B the claims are ineligible.

13. Claims 6 and 8 are dependent of claim 5 include all the limitations of claim 5. Therefore, claim 6 and 8 recite the same abstract idea recited in claim 5. The dependent claims recite additional limitations that further describe the abstract idea and additional limitations that are no more than mere instructions to apply the exception using a generic computer components. Accordingly, these additional elements does not provide an inventive concept or integrate the abstract idea into a practical application because they do not impose any meaningful limits on practicing the abstract idea.

14. Under Step 2A – Prong One of the two-part analysis from Alice Corp, the claimed invention is directed to an abstract idea.

15. Claim 21 recites "*receiving from the inspector, inspection information in specific response to the template.*"

The limitation as drafted under their broadest reasonable interpretation falls within the "certain methods of organizing human activity" grouping of abstract ideas because the step involves collecting information from an inspector which encompasses commercial interactions or legal interactions (including agreements in the form of contract, marketing or sales activities or behaviors, business relations), managing personal behavior or relationships or interactions between people (including, social activities, teaching, and following rules or instructions).

As such these steps as recited in the claims are an abstract idea.

Under Step 2A – Prong Two of the two-part analysis from Alice Corp, this judicial exception is not integrated into a practical application because the additional elements of... a database ... a password controlled website – see claim 21 are tools to implement the abstract idea and do not render the claims patent eligible because the claims require no more than generic computers (See Spec, ¶ 0023) performing functions that correspond to acts required to carry out the abstract idea. See MPEP 2106.05 (f)

The additional elements of...a computer-implemented method for using a web-based registry to track requisite inspection of an owned asset generally links in the use of the judicial exception to a particular technological environment or field of use. See MPEP 2106.05 (h)

The additional elements of... upon logging on to a password controlled website, providing to an inspector the owner selects, the selection based upon a list of

qualified inspectors that are available to inspect the asset based upon attributes including proximity to the asset, a web-based template configured to describe the asset an each of the steps of the inspection… storing in a database in association with the asset, the inspection information add insignificant extra solution activity to the judicial exception such as mere data gathering. See MPEP 2106.05(g)

The additional elements of… notifying an owner of an asset at a designatable interval in advance of an impending deadline for the inspection…transmitting to the approval authority, a compliance report including noting compliance, wherein the compliance report includes, noting deficiencies in the asset and storing the noted deficiencies in association with the asset add insignificant extra solution activity to the judicial exception such as data transmitting. See MPEP 2106.05(g)

Thus, the additional claim elements are not indicative of integration into a practical application, because the claims do not involve improvements to the functioning of a computer, or to any other technology or technical field (MPEP 2106.05(a)), the claims do not apply or use the abstract idea to effect a particular treatment or prophylaxis for a disease or medical condition (Vanda Memo), the claims do not apply the abstract idea with, or by use of, a particular machine (MPEP 2106.05(b)), the claims do not effect a transformation or reduction of a particular article to a different state or thing (MPEP 2106.05(c)), and the claims do not apply or use the abstract idea in some other meaningful way beyond generally linking the use of the abstract idea to a particular technological environment, such that the claim as a whole is more than a drafting effort designed to monopolize the exception (MPEP 2106.05(e) and Vanda Memo). Therefore, the claims do not, for example, purport to improve the functioning of

a computer. Nor do they effect an improvement in any other technology or technical field.

Accordingly, the additional elements do not impose any meaningful limits on practicing the abstract idea and the claims are directed to an abstract idea. The claims do not include additional elements that, when analyzed individually and in combination, are sufficient to amount to significantly more than the judicial exception.

16. As discussed above with respect to integration of the abstract idea into a practical application, the additional elements of… a database … a password controlled website amount to mere instructions to implement an abstract idea on a computer.

The additional limitations of… upon logging on to a password controlled website, providing to an inspector the owner selects, the selection based upon a list of qualified inspectors that are available to inspect the asset based upon attributes including proximity to the asset, a web-based template configured to describe the asset an each of the steps of the inspection… storing in a database in association with the asset, the inspection information… notifying an owner of an asset at a designatable interval in advance of an impending deadline for the inspection…transmitting to the approval authority, a compliance report including noting compliance, wherein the compliance report includes, noting deficiencies in the asset and storing the noted deficiencies in association with the asset were considered to be extra-solution activity in Step 2A, and thus are re-evaluated in Step 2B to determine if it is more than what is well-understood, routine, conventional activity in the field.

The Symantec, TLI, and OIP Techs court decisions cited in MPEP 2106.05(d)(II) have recognized that receiving or transmitting data over a network, e.g., using the

Internet to gather data and storing and retrieving information in memory are well understood, routine, and conventional functions when claimed in a generic manner. The Alice and Ultramercial court decisions cited in MPEP 2106.05(d)(II) have recognized that electronic recordkeeping and updating an activity log are well understood, routine, and conventional functions when claimed in a generic manner. Accordingly, the conclusion that the providing, storing, notifying, and transmitting steps are well-understood, routine, conventional activity is supported under Berkheimer Option 2. Thus, at Step 2B the claims are ineligible.

17. Claims 22-25 and 27-30 are dependent of claim 21 include all the limitations of claim 21. Therefore, claim 22-25 and 27-30 recite the same abstract idea recited in claim 21. The dependent claims recite additional limitations that further describe the abstract idea and additional limitations that are no more than mere instructions to apply the exception using a generic computer components. Accordingly, these additional elements does not provide an inventive concept or integrate the abstract idea into a practical application because they do not impose any meaningful limits on practicing the abstract idea.

Claim Rejections - 35 USC § 103

18. 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 though the invention is not identically disclosed or described as set forth in section 102, 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.

19. The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under pre-AIA 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.

2. Ascertaining the differences between the prior art and the claims at issue.

3. Resolving the level of ordinary skill in the pertinent art.

4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

20. Claims 1 and 2 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Campion (2008/0084291) in view of Silva (7,831,628) in further view of Cober (2005/0108038).

With respect to claim 1, Campion discloses

a computer-implemented method for using a web registry to track a requisite inspection of an owned asset (¶ 0057, 0065-0066) comprising:

retrieving records of assets from a database to generate an inspection list including each asset due and each asset within a designatable interval of being due for inspection (¶ 0043, 0048, 0057: discloses a workstation with internet access that can be used to access complete inspections and view progress reports on inspection status, where inspections are in progress. The workstation is used to schedule inspections due over the course of coming time for periods as required to set dates for required inspection and receive reminders of inspections due.);

generating a notice notifying an owner of the asset of an impending deadline for the inspection such notice (¶ 0043: discloses providing notification to a building owner of inspections required during a particular time frame via calendar or schedule management tool. The data can include inventories of equipment or the like.);

receiving, at a server through an internet portal, information that one of the qualified inspectors supplies, the information garnered by performing the required inspection (¶ 0043: discloses multiple testers can perform inspections by accessing data server. The test data generated from the test can be stored such that test data can be provided into standard forms required by jurisdictions for reporting information such as inspection status, test results, and the like.);

compiling a report based upon the information the inspector supplies in accord with a template configured to the asset (¶ 0029, 0043, 0047, 0064-0065: discloses the web server transmits responses to questions to data server where authentication report is automatically generated in standard form as suggested and recommended by applicable codes and standards.);

transmitting the report completed inspection to an approving authority (¶ 0029, 0043, 0047, 0064-0065: discloses the results of the inspection or test can be compiled and the results are authenticated for generation and/or publication of reports in a format that would be accepted by a local fire inspection jurisdiction.);

augmenting at the database, the records relative to the asset to reflect the information the inspector supplies when the inspection is approved by the approving authority (¶ 0065-0066: discloses upon completion of inspection, test, or the like, where all questions of the system under test as required by the code are asked, the

information is stored. Inspection data is stored and saved on the authentication server for record keeping compliance, archiving, and for viewing at a later date.); and

Campion does not explicitly disclose for each asset on the inspection list, retrieving a list of qualified inspectors according to designatable attributes including proximity to the asset… completing a monetary transaction between the asset owner and the inspector when the inspection is approved by the approving authority.

However, Silva expressly teaches in at least col. 5:66-67, that a user can schedule inspections by building inspectors within the municipality. Furthermore, in at least col. 7:5-10 expressly teaches that the user may submit payment of fees to the municipality's office and the system indicates that all fees are paid and issues a permit. After the system issues the permit the owner may receive a hard copy print out of the permit.

This known technique is applicable to the system of Campion as they both share characteristics and capabilities, namely, they are directed to providing authenticated testing and report generation. One of ordinary skill in the art would have recognized that applying the known techniques of scheduling inspection by building inspectors within the municipality and submitting payment of fees of Silva would have yielded predictable results and resulted in an improved system. It would have been obvious to one having ordinary skill in the art at the time the invention was made to apply the techniques of scheduling inspection by building inspectors within the municipality and submitting payment of fees of Silva to the authenticated testing and report generation teachings of Campion because it would have yielded predictable results and the level of

ordinary skill in the art demonstrated by the references applied shows the ability to incorporate such data processing features into similar systems.

The combination of Campion and Silva does not explicitly disclose transmitting, from the approving authority, a notice to the owner of the asset, the notice to include a report of the received information and where the received information includes a noted deficiency.

However, Cober which is pertinent in art to the combination of Campion and Silva discloses an online fire plan system and method. (¶ 0023)

transmitting, from the approving authority, a notice to the owner of the asset, the notice to include a report of the received information and where the received information includes a noted deficiency (¶ 0071, 0094: discloses the Fire Department maintains a list of non-compliant buildings and emails notices to individual notices to individual building owners. The Fire Department aids the building owner in compliance with fire code regulations. The email notification system will automatically send reminders to building owners to assist them in staying current with local testing and reporting compliance issues.)

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made, to modify the combination of Campion and Silva, to include transmitting, from the approving authority, a notice to the owner of the asset, the notice to include a report of the received information and where the received information includes a noted deficiency, as disclosed by Cober to achieve the claimed invention. As disclosed by Cober, the motivation for the combination would have been to add an

email notification for reporting local testing and compliance issues to building owners. (¶ 0071)

With respect to claim 2, the combination of Campion, Silva, and Cober discloses the method of Claim 1 further comprising:

at a computer in network communication with the database, entering initial information about a non-included asset that requires periodic inspection to comply with a code. (¶ 0042, 0056: Campion discloses setting up a new facility to provide authenticated test, inspection service or the like. The inspector selects the type of inspection to be performed on a time basis such as annual and can specify equipment such as sprinkler, fire alarm, or the like.)

21. Claim 3 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Campion, Silva, Cober in further view of Elliott (6,446,053).

With respect to claim 3, the combination of Campion, Silva, and Cober does not explicitly disclose the method of Claim 1 further comprising:

However, Elliott expressly teaches electronically submitting a proposal over a networked communication system to a construction professional for a bid and receiving a response on the proposal from the construction professional over the networked communication system. (abstract)

for each asset on the inspection list, transmitting to each qualified inspector on the list of qualified inspectors relative to the asset information about the asset sufficient

for the qualified inspectors to generate a bid to inspect the asset (col. 10:47-67 and col. 11:1-60: discloses the user computer searches the contractor database including specialty and region. The user may submit bids to individual contractors and subcontractors.);

receiving bids for a contract to inspect the asset from at least one of the qualified inspectors relative to the asset (col. 10:47-67 and col. 11:1-60: discloses once the subcontractor or general contractor receives the bid they may review it and respond to it.);

transmitting the received bids of the asset (col. 10:47-67 and col. 11:1-60: discloses the user receives a response from the contractor.);

receiving a selection of a bid from the owner of the asset from among the received bids (col. 10:47-67 and col. 11:1-60); and

transmitting to the qualified inspector who submitted the received selection, an acceptance of the bid. (col. 10:47-67 and col. 11:1-60: discloses after the user receives the bid he can accept the offer)

Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention was made, to modify the combination of Campion, Silva, and Cober, to include for each asset on the inspection list, transmitting to each qualified inspector on the list of qualified inspectors relative to the asset information about the asset sufficient for the qualified inspectors to generate a bid to inspect the asset; receiving bids for a contract to inspect the asset from at least one of the qualified inspectors relative to the asset; transmitting the received bids of the asset; receiving a selection of a bid from the owner of the asset from among the received bids; and transmitting to the qualified

inspector who submitted the received selection, an acceptance of the bid, as disclosed by Elliott to achieve the claimed invention. As disclosed by Elliott, the motivation for the combination would have been to allow a user to submit bids to individual contractors in order to compare prices since each contractor tends to bid differently. (col. 10:47-67 and col. 11:1-60)

22. Claim 4 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Campion, Silva, Cober in further view of Deaton (2006/0235611).

With respect to claim 4, the combination of Campion, Silva, and Cober discloses the method of Claim 1,

wherein the report of the received information includes a course of action based upon the received information (¶ 0071, 0094: Cober discloses the Fire Department maintains a list of non-compliant buildings and emails notices to individual building owners. The Fire Department aids the building owner in compliance with fire code regulations. The email notification system will automatically send reminders to building owners to assist them in staying current with local testing and reporting compliance issues.),

The combination of Campion, Silva, and Cober does not explicitly disclose the course of action to include remedy of the deficiency.

However, Deaton which is pertinent in art to the combination of Campion, Silva, and Cober is related to systems and methods for recording and reporting data collected from a remote location. (¶ 0002)

the course of action to include remedy of the deficiency (¶ 0106: discloses an assessment report may include a listing of the deficiencies identified during inspection data collection. For each deficiency, the report may include deficiency descriptions, proposed remedies, and digital images linked to each deficiency.)

Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention was made, to modify the combination of Campion, Silva, and Cober, to include the course of action to include remedy of the deficiency, as disclosed by Deaton to achieve the claimed invention. As disclosed by Deaton, the motivation for the combination would have been to provide recommendations in the report to the building owner with proposed remedies linked to each deficiency identified during inspection data collection. (¶ 0005, 0106)

23. Claims 5, 6, and 8 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Campion (2008/0084291) in view of Silva (7,831,628) in view of Elliott (6,446,053) in further view of Deaton (2006/0235611).

With respect to claim 5, Campion discloses

a computer-implemented method for using a web registry to track an asset owner's inspection compliance (¶ 0057, 0065), the computer-implemented method comprising:

at a database including records of assets, compiling an inspection list to include those assets which, after expiration of a designatable interval, will require an inspection (¶ 0043, 0048, 0057: discloses a workstation with internet access that can be used to access complete inspections and view progress reports on inspection status, where inspections are in progress. The workstation is used to schedule inspections due over the course of coming time for periods as required to set dates for required inspection and receive reminders of inspections due.);

transmitting a notification to an owner of the at least one asset on the inspection list, indicating that the asset requires an inspection (¶ 0048: discloses receiving reminders of inspection due.);

receiving, from the at least one inspector, inspection information indicating the status of the asset (¶ 0043: discloses multiple testers can perform inspections by accessing data server. The test data generated from the test can be stored such that test data can be provided into standard forms required by jurisdictions for reporting information such as inspection status, test results, and the like.),

notifying the approval authority of the inspection information (¶ 0029, 0043, 0047, 0064-0065: discloses the results of the inspection or test can be compiled and the results are authenticated for generation and/or publication of reports in a format that would be accepted by a local fire inspection jurisdiction.);

receiving approval from the approval authority (¶ 0065-0066);

transmitting a notification that an inspection was completed and approved by an approving authority (¶ 0065-0066); and

Campion does not explicitly disclose the following limitations.

However, Silva discloses:

generating with respect to at least one asset, a list of the qualified inspectors that are available to inspect the asset based upon attributes including proximity to the asset (col. 5:67-67, that a user can schedule inspections by building inspectors within the municipality);

releasing to the inspector the payment (col. 7:5-10 discloses that the user may submit payment of fees to the municipality's office and the system indicates that all fees are paid and issues a permit. After the system issues the permit the owner may receive a hard copy print out of the permit).

This known technique is applicable to the system of Campion as they both share characteristics and capabilities, namely, they are directed to providing authenticated testing and report generation. One of ordinary skill in the art would have recognized that applying the known techniques of scheduling inspection by building inspectors within the municipality and submitting payment of fees of Silva would have yielded predictable results and resulted in an improved system. It would have been obvious to one having ordinary skill in the art at the time the invention was made to apply the techniques of scheduling inspection by building inspectors within the municipality and submitting payment of fees of Silva to the authenticated testing and report generation teachings of Campion because it would have yielded predictable results and the level of ordinary skill in the art demonstrated by the references applied shows the ability to incorporate such data processing features into similar systems.

The combination of Campion and Silva does not explicitly disclose the following limitations.

However, Elliott discloses:

displaying, at a web portal, attributes of the at least one asset, to at least one of the qualified inspectors from the list of qualified inspectors relative to the asset, the attributes selected to enable the at least one of the qualified inspectors to formulate a bid for a contract to inspect the asset (col. 10:47-67 and col. 11:1-60: discloses the user computer searches the contractor database including specialty and region. The user may submit bids to individual contractors and subcontractors.);

receiving at the web portal a bid from the at least one inspector from a list of qualified inspectors (col. 10:47-67 and col. 11:1-60: discloses once the subcontractor or general contractor receives the bid they may review it and respond to it.);

displaying to the owner the bid from the at least one inspector for selection (col. 10:47-67 and col. 11:1-60: discloses the user receives a response from the contractor.);

receiving, at the web portal, the selection of a bid from the owner, such selection to include a form of payment for the inspection (col. 10:47-67 and col. 11:1-60);

notifying the at least one inspector of a contract to inspect based upon the selected bid (col. 10:47-67 and col. 11:1-60: discloses after the user receives the bid he can accept the offer);

the owner of an asset receiving bids from qualified inspectors based on the needs of the asset (col. 11:33-47: discloses the contractor or subcontractor receives the bid, reviews it and submits a bid to the user which represent the owner. If the contractor is interested in the proposal yet some of the user choices are not feasible or practical, the contractor or subcontractor may provide notes and transmit a revised proposal to the user with a bid.);

Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention was made, to modify the combination of Campion and Silva, to include displaying, at a web portal, attributes of the at least one asset, to at least one of the qualified inspectors from the list of qualified inspectors relative to the asset, the attributes selected to enable the at least one of the qualified inspectors to formulate a bid for a contract to inspect the asset … receiving at the web portal a bid from the at least one inspector from a list of qualified inspectors… displaying to the owner the bid from the at least one inspector for selection… receiving, at the web portal, the selection of a bid from the owner, such selection to include a form of payment for the inspection…notifying the at least one inspector of a contract to inspect based upon the selected bid… the owner of an asset receiving bids from qualified inspectors based on the needs of the asset, as disclosed by Elliott to achieve the claimed invention. As disclosed in Elliott, the motivation for the combination would have been to allow a user to submit bids to individual contractors in order to compare prices since each contractor tends to bid differently. (col. 10:47-67 and col. 11:1-60)

The combination of Campion, Silva, and Elliott does not explicitly disclose wherein the received inspection information includes receiving information describing deficiencies in the asset job.

However, Deaton discloses:

wherein the received inspection information includes receiving information describing deficiencies in the asset job (¶ 0106: discloses an assessment report may include a listing of the deficiencies identified during inspection data collection. For each

deficiency, the report may include deficiency descriptions, proposed remedies, and digital images linked to each deficiency.)

Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention was made, to modify the combination of Campion, Silva, and Elliott, to include wherein the received inspection information includes receiving information describing deficiencies in the asset job, as disclosed by Deaton to achieve the claimed invention. As disclosed by Deaton, the motivation for the combination would have been to provide recommendations in a report to the building owner with proposed remedies linked to each deficiency identified during inspection data collection. (¶ 0005, 0106)

With respect to claim 6, the combination of Campion, Silva, Elliott, and Deaton discloses the method of Claim 5 further comprising:

populating the database with initial information about an asset that requires periodic inspection to comply with a code. (¶ 0042, 0056: Campion discloses setting up a new facility to provide authenticated test, inspection service or the like. The inspector selects the type of inspection to be performed on a time basis such as annual and can specify equipment such as sprinkler, fire alarm, or the like.)

With respect to claim 8, the combination of Campion, Silva, Elliott, and Deaton discloses the method of Claim 5,

wherein the receiving inspection information, further comprises:

collecting inspection information using a handheld device. (See Campion - ¶ 0037, 0043)

24. Claims 21-22, 24-25, 27, 29, and 30 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Campion (2008/0084291) in view of Colliau (2008/0114638) in further view of Deaton (2006/0235611).

With respect to claim 21, Campion discloses

a computer-implemented method for using a web-based registry to track requisite inspection of an owned asset (¶ 0057, 0065-0066) comprising:

notifying an owner of an asset at a designatable interval in advance of an impending deadline for the inspection (¶ 0043: discloses providing notification to a building owner of inspections required during a particular time frame via calendar or schedule management tool. The data can include inventories of equipment or the like.);

upon logging on to a password controlled website, providing a web-based template configured to describe the asset an each of the steps of the inspection (¶ 0057, 0065-0066: discloses for conducting the inspection, the inspector can connect to an internet website via a portable wireless device such that the server recognizes the login which brings up the appropriate inspection forms.);

receiving from the inspector, inspection information in specific response to the web-based template (¶ 0057, 0065-0066: discloses the inspector tests all devices, verifies response on portable device, answers questions as required for that type of device, entering information where needed during the course of the inspection.);

storing in a database in association with the asset, the inspection information (¶ 0057, 0065-0066: discloses upon completion of inspection, test, or the like, where all questions of the system under test as required by the code are asked the information is stored in a data store associated with the authentication server.);

transmitting to the approval authority, a compliance report including noting compliance (¶ 0065-0066: discloses the report can serve to satisfy regulatory requirements for compliance by local fire authorities and the like.)

Campion does not explicitly disclose the following limitation.

However, Colliau discloses:

providing to an inspector the owner selects, the selection based upon a list of qualified inspectors that are available to inspect the asset based upon attributes including proximity to the asset (¶ 0014, 0123: discloses an inspector selection indication is received from the user for selecting at least one of the available inspectors…a list of inspectors available to inspect is generated according to specifications provided by a user including an inspection schedule window and predetermined locations or the like.)

Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention was made, to modify Campion, to include providing to an inspector the owner selects, the selection based upon a list of qualified inspectors that are available to inspect the asset based upon attributes including proximity to the asset, as disclosed by Colliau to achieve the claimed invention. As disclosed in Colliau, the motivation for the combination would have been to provide the ability for automatically scheduling an appointment for inspection. (¶ 0123)

The combination of Campion and Colliau does not explicitly disclose wherein the compliance report includes, noting deficiencies in the asset and storing the noted deficiencies in association with the asset.

However, Deaton discloses:

wherein the compliance report includes, noting deficiencies in the asset and storing the noted deficiencies in association with the asset (¶ 0106: discloses an assessment report may include a listing of the deficiencies identified during inspection data collection. For each deficiency, the report may include deficiency descriptions, proposed remedies, and digital images linked to each deficiency.)

Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention was made, to modify the combination of Campion and Colliau to include wherein the compliance report includes, noting deficiencies in the asset and storing the noted deficiencies in association with the asset, as disclosed by Deaton to achieve the claimed invention. As disclosed by Deaton, the motivation for the combination would have been to list each deficiency identified during inspection to provide recommendations and proposed remedies to the owner for review. (¶ 0005, 0106)

With respect to claim 22, the combination of Campion, Colliau, and Deaton discloses the method of Claim 21, wherein the storing further includes:

storing, in association with the asset a new deadline date, based upon completion of the inspection. (See Campion – ¶ 0065-0066)

With respect to claims 24 and 29, the combination of Campion, Colliau, and Deaton discloses the method further comprising:

based upon the owner selecting the inspector, scheduling the inspector's inspection of the asset based upon the impending deadline, the inspector's availability, and the asset availability. (¶ 0123-0125: Colliau discloses the list of inspectors available to inspect is generated in accordance with the total inspection time which represents the asset availability, schedules of the inspectors which represents the inspector's availability, and an inspection schedule window specified by the user which represents an impending deadline. An inspector selection is received from the user for selecting at least one available inspectors. An inspection appointment is scheduled within the inspection window.)

With respect to claim 25, the combination of Campion, Colliau, and Deaton discloses the method of Claim 21,

wherein the compiling the report includes:

receiving, from the inspector, photographs of the asset or components of the asset (See Campion - ¶ 0054-0055, 0064-0066); and

storing the photographs in association with the asset and the date of the inspection. (See Campion - ¶ 0054-0055, 0064-0066)

With respect to claim 27, the combination of Campion, Colliau, and Deaton discloses the method of Claim 21,

wherein the noting deficiencies further comprises:

selecting a remedy deficiency deadline based upon the noted deficiency and the date of the inspection (See Campion - ¶ 0054-0057, 0064-0066: discloses the inspector selects the type of inspection to be performed on a time basis.); and

storing in association with the asset a remedy deficiency deadline. (See Campion - ¶ 0054-0057, 0064-0066: discloses the authentication server can determine by referring to the database what testing, maintenance are required by the fire code.)

With respect to claim 30, the combination of Campion, Colliau, and Deaton discloses the method of Claim 21 further comprising:

compiling compliance report including the noted deficiency. (¶ 0106: Deaton discloses an assessment report may include a listing of the deficiencies identified during inspection data collection. For each deficiency, the report may include deficiency descriptions, proposed remedies, and digital images linked to each deficiency.)

25. Claim 23 and 28 is/are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Campion, Colliau, Deaton in further view of Elliott (6,446,053).

With respect to claims 23 and 28, the combination of Campion, Colliau, and Deaton does not explicitly disclose the method further comprising:

However, Elliott discloses:

receiving bids to perform a suitably compliant inspection of the asset from a group of qualified inspectors including, at least, the inspector; and presenting to the owner a compilation of the bids for selection of the inspector. (col. 10:47-67 and col.

11:1-60: discloses once the subcontractor or general contractor receives the bid they may review it and respond to it which represents a compilation of the bids for selection of the inspector and the user which represents the owner receives a response from the contractor.)

Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention was made, to modify the combination of Campion, Colliau, and Deation, to include receiving bids to perform a suitably compliant inspection of the asset from a group of qualified inspectors including, at least, the inspector; and presenting to the owner a compilation of the bids for selection of the inspector, as disclosed by Elliott to achieve the claimed invention. As disclosed in Elliott, the motivation for the combination would have been to allow a user to compare prices since each contractor tends to bid differently. (col. 10:47-67 and col. 11:1-60)

Response to Arguments

26. Applicant's arguments filed 5/28/2019 have been fully considered but they are not persuasive.

With Respect to Rejections Under 35 USC 101

Applicant argues "*With respect to prong 1 of Step 2A "Evaluate whether the claim recites a judicial exception (an abstract idea, a law of nature, or a natural phenomenon)," and Office Action on page 2 recites that "the claims are directed to an abstract idea". Applicant respectfully rejects such assertion.*"

"*In response, Applicant submits that the claims are directed to a computer-implemented method for tracking a requisite inspection of an owned asset using a web registry. Further, the claims are directed to a novel method and/or system for collecting asset information and posting the same along with the inspection in a web registry, so that the updated information is advantageously viewed by all interested parties. This helps in saving valuable time, for example, trying to locate the asset at the time of an emergency*."

"*Further, the information stored in the web registry includes asset ownership, make, model, year, color, condition, rating of needed maintenance (critical, important, light, or none), specific recommended maintenance, pressure, flow, GPS location, address, time of inspection, environment conditions during inspection, landscaping, digital picture of asset, nozzle size and orientation, physical description of asset, special markings, service record, water quality, and asset number. Thus, sharing this information via the web registry, enables all the viewers, including the asset owner, the asset inspectors, and even the first responders to utilize this information and make use of the asset, whenever required*." **The Examiner respectfully disagrees**.

The Examiner finds the response unpersuasive and asserts the remarks do not make the claimed invention any less abstract. First, the use of a computer implemented method using generic computer components does not preclude the claim(s) under examination from being in the certain methods of organizing human activity grouping. Nor is it enough for subject-matter eligibility that claimed techniques be novel and nonobvious in light of prior art because the 101 analysis is a separate inquiry. Lastly, the web registry's specificity does not remove the claim(s) from the abstract realm.

Applicant has not disclosed a technical improvement to a web registry such as an improvement in the way the registry stores or retrieves information. Using a web registry to store information in its ordinary capacity does not integrate the abstract idea. The Examiner has evaluated the claim(s) to determine whether they describe an abstract idea in accordance with the examination instructions in the 2019 PEG and the groupings of abstract ideas in the present rejection. For all these reasons, the rejections under Step 2A prong one are being maintained.

Applicant further argues "*With respect to prong 2 of Step 2A "Evaluate whether the claim recites additional elements that integrate the exception into a practical application of the exception," Applicant states that the claims are directed to a computer-implemented method for tracking a requisite inspection of an owned asset using a web registry. Such method includes retrieving records of assets from a database to generate an inspection list including each asset due and each asset within a designatable interval of being due for inspection. For each asset on the inspection list, a list of qualified inspectors is retrieved. Further, a notice is generated which notifies an owner of the asset of an impending deadline for the inspection. Further, the method includes receiving at a server through an internet portal, information that one of the qualified inspectors supplies, the information garnered by performing the required inspection. Based upon the received information, a report is compiled. Successively, the report is transmitted to an approving authority and the records relative to the asset is augmented to reflect the information the inspector supplies when the inspection is approved by the approving authority. Thereafter, a monetary transaction is completed between the asset*

owner and the inspector when the inspection is approved by the approving authority. Thus, such improved method results as an improvement in the field of computer technology, facilitating in better approach of tracking a requisite inspection of an owned asset." **The Examiner respectfully disagrees**.

The Examiner finds the response unpersuasive and asserts that Applicant merely reproduces the steps of the claimed invention and states in a conclusory manner that there is an improvement to computer functionality or an improvement to other technology or technology field, but does not identify or explain what the improvement to computer functionality or other technology or technology field actually is. See October 2019 Update for Subject Matter Eligibility which indicates on pg. 12 a bare assertion of an improvement without the detail necessary to be apparent to a person of ordinary skill in the art, then the Examiner should not determine the claim improves technology.

Applicant further argues "*Further, in a scenario, a better approach of extinguishing a fire by showing best hydrant (asset) for fire department to connect to and also give visual reference of that hydrant prior to arriving at the site. Such improved method of record keeping hydrant information will improve a city's ISO (insurance) rating which will save money in fire insurance premiums for local businesses and homes. Further, the web based compliance registry is advantageous to improve the process of inspections and in many cases introduce a new ability to enforce inspections. Further, the claimed method provides an easier way for authorities to charge for their review time and a way to confirm inspection companies are licensed to work in their city. Thus, the current claimed invention recites additional elements that integrate the exception into a practical*

application of the exception. Therefore, the rejection is improper and should be withdrawn." **The Examiner respectfully disagrees**.

The Examiner finds the response unpersuasive and asserts the specification should be evaluated to determine if the disclosure provides sufficient details such that one of ordinary skill in the art would recognize the claimed invention as providing an improvement. The specification need not explicitly set forth the improvement, but it must describe the invention such that the improvement would be apparent to one of ordinary skill in the art. Here, the remarks are bare assertions of improvements without the detail necessary to be apparent to a person of ordinary skill in the art and the burden shifts to applicant to provide persuasive arguments supported by any necessary evidence to demonstrate that one of ordinary skill in the art would understand that the disclosed invention improves technology.

Applicant further argues "*Firstly, the claimed invention enables tracking a requisite inspection of an owned asset using a web registry, so that the updated information is advantageously viewed by all interested parties. Further, the web based compliance registry is advantageous to improve the process of inspections and in many cases introduce a new ability to enforce inspections. Secondly, the claimed method provides a method to augment the records relative to the asset to reflect the information the inspector supplies when the inspection is approved by the approving authority. Thus, the method may enable a particular standard format for collecting asset information, so that all the interested parties can easily access the information. In an aspect, such method provides an easier way for authorities to charge for their review time and a way*

to confirm inspection companies are licensed to work in their city. In another aspect, such improved method overcomes the disadvantage of using current fire hydrant management software i.e. the limitation of communication within the department and interdepartmentally. Therefore, the claims include limitations that amount to significantly more than "an idea of itself." **The Examiner respectfully disagrees**.

The Examiner finds the response unpersuasive and asserts the claim(s) as a whole do not integrate the abstract idea into a practical application because they do not impose any meaningful limits on practicing the abstract idea. Under the broadest reasonable interpretation, the terms of the claim are presumed to have their plain meaning consistent with the specification as it would be interpreted by one of ordinary skill in the art. See MPEP 2111. The preamble here does not positively add limitations to the claimed computer-implemented method, or further modify limitations recited in the body of the claim, and thus does not limit the claim. Instead, it indicates an intended use for the claimed computer-implemented method, i.e., using a web registry. Even when viewed in combination, the additional elements in the claims do no more than automate the activities that the owner and inspector are used to perform using the computer components as a tool. While this type of automation may improve an inspection process, there is no change to the computers and other technology that are recited in the claim as automating the abstract ideas, and thus the claims cannot improve computer functionality or other technology.

Applicant further argues "*The Applicant thus respectfully requests the Examiner to avoid oversimplifying the claims by looking at them generally to interpret an abstract*

idea in terms of "abstract idea of itself' and to consider the specific requirements of the claim, as explained above, that amounts to significantly more. Further, similar to automatic lip synchronization and facial expression animation using computer-implemented rules that was found patent eligible under 35 U.S.C. § 101 in McRO, Inc. v. Bandai Namco Games America, claims 1, 5, and 21 are also directed to an improvement in computer-related technology i.e. facilitating tracking a requisite inspection of an owned asset using a web registry and so that the updated information is advantageously viewed by all interested parties, that previously couldn't be achieved. Accordingly, Applicant respectfully submits that the amended claim 1 and the above-mentioned arguments recite patent eligible subject matter, rendering the rejection improper, and Applicant requests withdrawal of the rejection." **The Examiner respectfully disagrees**.

The Examiner finds the response unpersuasive and asserts the Examiner has satisfied the initial burden of explaining why the claims are ineligible for patenting in accordance with the 2019 PEG. In *McRO*, the court held that the claims recited a specific asserted improvement in computer animation. Thus the asserted claims cannot be characterized as an improvement in computer technology. For these reasons the subject matter eligibility rejections are being maintained.

Applicant further argues "*The Office Action, on pages 4-5, recites "[a]dditionally, the claimed invention of independent claim 5 recites a "computer- implement method" and the claimed invention of independent claim 21 recites a 'computer-implement method' with limitations that are substantially similar to the claimed invention of claim 1, thus have*

been found patent in-eligible for the same rationales." In response, Claims 5 and 21 also include the above argued significant limitations and direct to a patent eligible subject matter, and therefore withdrawal of their rejection is also requested. Further, dependent claims 2-4 are also allowable under 35 USC § 101 for their dependence on allowable claim 1, and claims 6 and 8 are also allowable for their dependency on independent claim 5. Further, claims 22-25 and 27-30 are also allowable for their dependency on independent claim 21. Thus, Applicant respectfully requests the Examiner to withdraw this rejection." **The Examiner respectfully disagrees**.

Applicant's arguments fail to comply with 37 CFR 1.111(b) because they amount to a general allegation that the claims recite patent eligible subject matter without specifically pointing out how the limitations of the claims are indicative of integration into a practical application.

With Respect to Rejections Under 35 USC 103

Applicant's amendments and arguments with respect to claims 1-6, 8, and 21-25, and 27-30 have been considered but are moot because the arguments do not apply to the combination of references being used in the current rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to EHRIN PRATT whose telephone number is (571)270-3184. The examiner can normally be reached on 8-5 EST Monday-Friday.

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, Lynda Jasmin can be reached on 571-272-6782. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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

EHRIN PRATT
Examiner
Art Unit 3629

/EHRIN L PRATT/
Examiner, Art Unit 3629

/LYNDA JASMIN/
Supervisory Patent Examiner, Art Unit 3629

Notice of References Cited	Application/Control No. 12/011,202	Applicant(s)/Patent Under Reexamination Moren et al.	
	Examiner EHRIN PRATT	Art Unit 3629	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-20050108038-A1	05-2005	Cober, Daryl	G06Q10/06	705/324
*	B	US-20060235611-A1	10-2006	Deaton; Scott Lowrey	G01C15/00	701/491
	C					
	D					
	E					
	F					
	G					
	H					
	I					
	J					
	K					
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	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
	12/011,202	Moren et al.
	Examiner	Art Unit
	EHRIN PRATT	3629

CPC - Searched*		
Symbol	Date	Examiner

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner
705	313	6/18/12	vc

* 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
searched east	6/18/12	
updated east and npl search see attached	05/05/2014	tlc
Updated EAST Search	02/28/2018	EP
Updated EAST Search	11/15/2018	EP
Updated EAST Search	10/23/2019	EP

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

/EHRIN L PRATT/ Examiner, Art Unit 3629	

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

CLAIMS

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

CLAIM		DATE								
Final	Original	03/18/2011	06/18/2012	03/22/2013	10/19/2013	12/30/2013	05/05/2014	03/01/2018	11/15/2018	10/25/2019
	1	✓		✓	✓	✓	✓	✓	✓	✓
	2	✓		✓	✓	✓	✓	✓	✓	✓
	3	✓		✓	✓	✓	✓	✓	✓	✓
	4	✓		✓	✓	✓	✓	✓	✓	✓
	5	✓		✓	✓	✓	✓	✓	✓	✓
	6	✓		✓	✓	✓	✓	✓	✓	✓
	7	✓		✓	✓	✓	✓	✓	✓	-
	8	✓		✓	✓	✓	✓	✓	✓	✓
	9	✓		N	N	N	N	N	N	N
	10	✓		N	N	N	N	N	N	N
	11	✓		N	N	N	N	N	N	N
	12	✓		N	N	N	N	N	N	N
	13	✓		N	N	N	N	N	N	N
	14	✓		N	N	N	N	N	N	N
	15	✓		N	N	N	N	N	N	N
	16	✓		N	N	N	N	N	N	N
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	18	✓		N	N	N	N	N	N	N
	19	✓		N	N	N	N	N	N	N
	20	✓		N	N	N	N	N	N	N
	21			✓	✓	✓	✓	✓	✓	✓
	22			✓	✓	✓	✓	✓	✓	✓
	23			✓	✓	✓	✓	✓	✓	✓
	24			✓	✓	✓	✓	✓	✓	✓
	25			✓	✓	✓	✓	✓	✓	✓
	26			✓	✓	✓	✓	✓	✓	-
	27			✓	✓	✓	✓	✓	✓	✓
	28			✓	✓	✓	✓	✓	✓	✓
	29			✓	✓	✓	✓	✓	✓	✓
	30			✓	✓	✓	✓	✓	✓	✓

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EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	0	("20060258292" | "20060123010" | "20040044696" | "20020082937" | "20040139053" | "20040177326" | "20080114638" | "20030171957" | "20050128083" | "20070005273").PN.	USPAT	OR	OFF	2018/02/27 13:34
S2	20	("20060258292" | "20060123010" | "20040044696" | "20020082937" | "20040139053" | "20040177326" | "20080114638" | "20030171957" | "20050128083" | "20070005273").PN.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/27 13:34
S3	6	(charge) WITH (compliance) WITH (asset)	USPAT	OR	OFF	2018/02/27 14:20
S4	594	(compliance) WITH (asset)	USPAT	OR	OFF	2018/02/27 14:21
S5	25	(due) WITH (inspection) AND (compliance) WITH (asset)	USPAT	OR	OFF	2018/02/27 14:22
S6	1	(andrew) NEAR3 (moren).in.	USPAT	OR	OFF	2018/02/27 14:37
S7	4	(robert) NEAR3 (moren).in.	USPAT	OR	OFF	2018/02/27 14:37
S8	0	"20090157521"	USPAT	OR	OFF	2018/02/27 14:38
S9	60	705/314$	USPAT	OR	OFF	2018/02/27 14:38
S10	2	(access$3 gather$3 retriev$3) WITH (approved qualified) NEAR3 (inspector)	USPAT	OR	OFF	2018/02/27 14:51
S11	1	(list$3) WITH (certified approved qualified) NEAR3 (inspector)	USPAT	OR	OFF	2018/02/27 14:52
S12	17	(list$3) WITH (certified approved qualified) NEAR3 (inspector)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/27 14:52
S13	34	(compliance) WITH (owned) WITH (asset)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/27 14:59
S14	25343	(due deadline) WITH (inspection)	US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	2018/02/27 15:06

			DERWENT; IBM_TDB			
S15	7	(due deadline) WITH (inspection) AND (invoice) WITH (owner)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/27 15:08
S16	109	(due deadline) WITH (inspection) AND (invoice)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/27 15:08
S17	22	("20080084291" | "20120154141" | "8810387" | "9552720" | "9672486" | "9767679").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/27 15:17
S18	21	("20040034684" | "20040262387" | "20050023347" | "20050137829" | "20050211777" | "20060162178" | "20060259392" | "20070044559" | "20080048682" | "20080077512" | "20080084291" | "20080111074" | "20090018859" | "20100088141" | "20100306085" | "20110016319" | "20120109660" | "6421571" | "7565306" | "8315834" | "8358903").PN. OR ("9672486").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/02/27 15:19
S19	229	(marketplace market$place) AND (inspector)	USPAT	OR	OFF	2018/02/28 06:29
S20	13	(marketplace market$place) SAME (inspector)	USPAT	OR	OFF	2018/02/28 06:29
S21	113	(marketplace market$place) AND (inspector) AND (inspection)	USPAT	OR	OFF	2018/02/28 06:31
S22	32	("20020026266" | "20030069648" | "20050190053" | "20070174438" | "20090284348" | "20110117878" | "20110130636" | "20110151829" | "20120218102" | "20120232355" | "20120271370" | "20130012151" | "20130040600" | "20130053063" | "20130252574" | "20140002241" | "5960337" | "7048185" | "7091852" | "7171217" | "7177623" | "7289029" | "7607014" | "7793850" | "7922073" | "8095403" | "8185623" | "8300922" | "8314683" | "8350693" | "8401514" | "8526910").PN. OR ("9619767").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/02/28 06:33
S23	24	(fire) NEAR3 (department marshall) AND (inspector) AND (inspection)	USPAT	OR	OFF	2018/02/28 06:41
S24	0	"20080114638"	USPAT	OR	OFF	2018/02/28 07:03
S25	21	"20080114638"	US-PGPUB; USPAT;	OR	ON	2018/02/28 07:04

			USOCR; FPRS; EPO; DERWENT; IBM_TDB			
S26	73	(fire) NEAR3 (department marshal) AND (inspector) AND (inspection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	OFF	2018/02/28 07:04
S27	49	S26 AND owner	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	OFF	2018/02/28 07:04
S28	4	(fire) NEAR3 (department marshal) AND (list$3) WITH (inspector) AND (inspection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	OFF	2018/02/28 07:07
S29	34	inspector WITH bid	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 07:14
S30	15	("20110099081" | "20020073049" | "20070192229" | "20050251400" | "7146331" | "20100042508").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 07:17
S31	84	candidate WITH inspector	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 07:25
S32	1048	(available candidate) WITH (inspector)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 07:25
S33	35	(available candidate) WITH (inspector) SAME (owner)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 07:26

S34	62	(list$3) WITH (available candidate) WITH (inspector)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 07:38
S35	5	(retriev$3 access$3 generat$3) WITH (list$3) WITH (available candidate certified approved compliance) WITH (inspector)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 07:39
S36	73	(list$3) WITH (available candidate certified approved compliance) WITH (inspector)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 07:39
S37	165	(receiv$3 collect$3) WITH (bid) WITH (perform) WITH (inspection service)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 13:31
S38	82	S37 AND (acceptance confirmation selection) WITH (bid)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 13:34
S39	0	(receiv$3 collect$3) WITH (bid offer) WITH (perform) WITH (inspection service) WITH (inspector)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 13:35
S40	2	(receiv$3 collect$3) WITH (bid offer) WITH (perform) WITH (inspection service) WITH (inspector contractor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 13:35
S41	151	(bid offer) WITH (perform) WITH (inspection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 13:36
S42	8	(select$4) WITH (bid offer) WITH (perform) WITH (inspection)	US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	2018/02/28 13:39

			DERWENT; IBM_TDB			
S43	8	(select$4) WITH (bid offer) SAME (perform) WITH (inspection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 13:39
S45	23	((bid offer) WITH (perform) WITH (inspection)).ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 14:02
S46	20	((marketplace market$place) SAME (perform) WITH (inspection))	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 14:04
S47	44	((marketplace market$place) SAME (inspector))	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 14:05
S48	223	((bid offer$4) WITH (inspector))	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 14:08
S49	230	((bid offer$4 quote) WITH (complete perform) WITH (inspection))	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 14:12
S50	570	((bid offer$4 quote estimate estimation fee price) WITH (complete perform) WITH (inspection))	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 14:13
S51	33	S50 AND (list$4) WITH (inspector contractor provider)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 14:14
S52	0	((request$4) WITH (bid offer$4 quote estimate estimation fee price) WITH (complete perform) WITH (inspection))	US-PGPUB; USPAT; USOCR;	OR	ON	2018/02/28 14:24

		AND (contract agreement) WITH (inspect)	FPRS; EPO; DERWENT; IBM_TDB			
S53	25	((request$4 solicit$6) WITH (bid offer$4 quote estimate estimation fee price) WITH (complete perform) WITH (inspection))	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 14:26
S54	15	(due) WITH (inspection) AND (proposal quote) WITH (inspect)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 14:34
S55	26	(qualified certified approved licensed) WITH (inspector) AND (proposal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 14:39
S56	4488	(request) NEAR3 (proposal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 15:00
S57	89	(request) NEAR3 (proposal) AND (inspector)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 15:01
S58	195	(bid) NEAR3 (proposal) SAME (inspector contractor vendor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 15:08
S59	31	(receiv$3 collect$3 gather$3 obtain$3 aggregat$4 compil$5) WITH (bid) NEAR3 (proposal) SAME (inspector contractor vendor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 15:14
S60	8	("20030088534" | "20090049094" | "20090216552").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 15:27
S61	145	(list) WITH (inspectors)	US-PGPUB;	OR	OFF	2018/11/15

			USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			07:53
S62	1356	(G06Q50/163).cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 12:23
S63	212	(G06Q50/163).cpc. AND (fire)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 12:24
S64	143	(G06Q50/163).cpc. AND (fire) AND (owner)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 12:24
S65	62	(G06Q50/163).cpc. AND (report notification notice alert) NEAR5 (owner)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 12:27
S66	8	(G06Q50/163).cpc. AND (report notification notice alert) NEAR5 (non$compliance deficiency)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 13:29
S67	3837	(report notification notice alert) NEAR5 (non$compliance deficiency)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 13:48
S68	0	(report notification notice alert) NEAR5 (non$compliance deficiency) NEAR5 (owner) AND (technician inspector) NEAR5 (report)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 13:50
S69	171	(report notification notice alert) SAME (non$compliance deficiency fail failure) AND (building property) NEAR3 (owner) AND (inspector)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT;	OR	ON	2019/10/23 13:52

			IBM_TDB			
S70	171	(report notification notice alert) SAME (non$compliance deficiency fail failure) AND (building property) NEAR3 (owner) AND (inspector)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 13:52
S71	83	(report notification notice alert) NEAR5 (non$compliance deficiency fail failure) AND (building property) NEAR3 (owner) AND (inspector)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 13:54
S72	33	(building property business) NEAR3 (owner) AND (fire) NEAR3 (inspector jurisdiction)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 14:12
S73	12	(fire) NEAR3 (inspector chief marshal official) NEAR5 (report)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 14:18
S74	723	(fire) NEAR3 (inspector chief marshal official) AND (deficiency failure non$compliance non$compliant)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 14:19
S75	40	(fire) NEAR3 (inspector chief marshal official) SAME (deficiency failure non$compliance non$compliant)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 14:19
S76	70	(fire sprinkler alarm) NEAR3 (inspector chief marshal official department) SAME (deficiency failure non$compliance non$compliant) WITH (owner)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 14:24
S77	3	(fire sprinkler alarm hydrant) NEAR3 (inspector chief marshal official department) AND (e$mail notice) WITH (deficiency failure non$compliance non$compliant) WITH (owner)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 14:39
S78	6	(fire sprinkler alarm hydrant) NEAR3 (inspector chief marshal official department) AND (e$mail notice) WITH (deficiency failure non$compliance	US-PGPUB; USPAT; USOCR; FPRS;	OR	ON	2019/10/23 14:39

		non$compliant issue defect) WITH (owner)	EPO; DERWENT; IBM_TDB			
S79	7	(fire sprinkler alarm hydrant saftey building) NEAR3 (inspector chief marshal official department) AND (e$mail notice) WITH (deficiency failure non$compliance non$compliant issue defect) WITH (owner)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 14:41
S80	89	(fire sprinkler alarm hydrant saftey building) NEAR3 (inspector chief marshal official department) AND (e$mail notice notification alert) WITH (deficiency failure non$compliance non$compliant issue defect) WITH (owner)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 14:41
S81	60	(fire sprinkler alarm hydrant saftey building) NEAR3 (inspector chief marshal official department) SAME (e$mail notice notification alert) WITH (deficiency failure non$compliance non$compliant issue defect) WITH (owner)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 14:42
S82	1	(fire) NEAR3 (code regulation) SAME (e$mail notice notification alert) WITH (deficiency failure non$compliance non$compliant issue defect) WITH (owner)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 14:48
S83	14	(fire) NEAR3 (code regulation) SAME (e$mail notice notification alert) WITH (deficiency failure non$compliance non$compliant issue defect)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 14:49
S84	15	(fire) NEAR3 (code regulation standard statute) SAME (e$mail notice notification alert) WITH (deficiency failure non$compliance non$compliant issue defect)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 14:49
S85	1331	(e$mail notice notification alert) WITH (deficiency failure non$compliance non$compliant issue defect) WITH (owner)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 14:53
S86	215	S85 AND @py<="2007"	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 14:55
S87	215	(inspection) WITH (deficiency failure non$compliance non$compliant issue	US-PGPUB; USPAT;	OR	ON	2019/10/23 15:05

		defect) WITH (owner)	USOCR; FPRS; EPO; DERWENT; IBM_TDB			
S88	215	S86 AND @py<="2007"	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 15:05
S89	46	S87 AND @py<="2007"	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 15:06
S90	13	(G06Q50/163).cpc. AND (periodic annual) NEAR5 (inspection audit)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/24 08:02

EAST Search History (Interference)

< This search history is empty>

10/ 25/ 2019 9:50:03 AM
C:\ Users\ epratt\ Documents\ EAST\ Workspaces\ 12011202 - Systems and Methods for a Web based inspection compliance registry and communication tool.wsp

PTO/SB/06 (09-11)
Approved for use through 1/31/2014. OMB 0651-0032
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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 12/011,202	Filing Date 01/23/2008	☐ 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 $25 =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*		x $ 105 =	
☐ 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	04/30/2020	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 28	Minus	** 30	= 0		x $ 50 =	0
	Independent (37 CFR 1.16(h))	* 5	Minus	*** 5	= 0		x $ 230 =	0
	☐ Application Size Fee (37 CFR 1.16(s))							
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							
							TOTAL ADD'L FEE	0

		(Column 1)		(Column 2)	(Column 3)			
AMENDMENT		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	*	Minus	**	=		x $ 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".	/NICOLE C LAWRENCE/
*** 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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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Andrew Moren et al.	Attorney Docket No.	220867-1000-100
Application No.	12/011,202	Group Art Unit:	3629
Filing Date:	January 23, 2008	Examiner:	PRATT, EHRIN LARMONT

Title: SYSTEMS AND METHODS FOR A WEB BASED INSPECTION COMPLIANCE REGISTRY AND COMMUNICATION TOOL

AMENDMENT AND RESPONSE TO NON-FINAL OFFICE ACTION

TO THE COMMISSIONER OF PATENTS:

This paper is responsive to the outstanding Non-Final Office Action mailed October 31, 2019.

Amendments to the claims begin on page 2.

Remarks begin on page 11.

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IN THE CLAIMS:

1. (Currently Amended) A computer-implemented method for using a web registry to track a requisite inspection of an owned asset comprising:

granting remote access, by a computer-based system, to the web-based registry to at least three classes of user, wherein the three classes of user comprise:

(1) an owner of an asset

(2) an approval authority

(3) an inspector;

retrieving, by a computer-based system, real time records of assets from a database ~~to generate an inspection list including~~, the database being remotely accessible and augmentable by each of the at least three classes of user;

analyzing the records of assets from the database to determine whether an asset requires inspection;

automatically creating an inspection list, based upon the analysis of records of assets from the database, wherein the inspection list includes each asset due for inspection and each asset within a designatable interval of being due for inspection;

for each asset on the inspection list, retrieving a list of qualified inspectors according to designatable attributes including proximity to the asset, wherein an inspector, upon accessing the web registry, can review and update information, including location;

for each asset on the inspection list, generating a notice notifying the approval authority of the status of the assets assigned to the approval authority, and wherein the approval authority, upon accessing the compliance registry, may update and review the status of the assets;

for each asset on the inspection list, generating a notice notifying an owner of the asset of an impending deadline for the inspection such notice to include the list of qualified inspectors for the asset, a description of the type of inspection, and a cost associated with the type of inspection, and wherein the owner of the asset, upon accessing the web-based registry, may update and review the status of the assets assigned to the owner;

receiving, by a computer-based system, at a server through an internet portal, the server in communication with the web-based registry, information that one of the qualified inspectors supplies, the information garnered by performing the required inspection;

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retrieving, by a computer-based system, a report template configured to the asset, compiling a report based upon the information the inspector supplies ~~in accord with a template configured to the asset~~;

transmitting, by a computer-based system, the ~~report~~ completed inspection report, based on the report template and the information garnered by performing the inspection, to[[an]] the approving authority;

transmitting, from the approving authority, by the web-based registry, a notice to the owner of the asset, the notice to include a report of the received information and where the received information includes a noted deficiency;

automatically augmenting at the database, the records relative to the asset to reflect the information the inspector supplies when the inspection is approved by the approving authority; and

after the inspection is approved by the approving authority, completing a monetary transaction between the asset owner and the inspector ~~when the inspection is approved by the approving authority~~.

2. (Previously Presented) The method of Claim 1 further comprising:

at a computer in network communication with the database, entering initial information about a non-included asset that requires periodic inspection to comply with a code.

3. (Previously Presented) The method of Claim 1 further comprising:

for each asset on the inspection list, transmitting to each qualified inspector on the list of qualified inspectors relative to the asset information about the asset sufficient for the qualified inspectors to generate a bid to inspect the asset;

receiving bids for a contract to inspect the asset from at least one of the qualified inspectors relative to the asset;

transmitting the received bids of the asset;

receiving a selection of a bid from the owner of the asset from among the received bids; and

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transmitting to the qualified inspector who submitted the received selection, an acceptance of the bid.

4. (Currently Amended) The method of Claim 1, wherein the asset is a fire hydrant, and further wherein the report of the received information includes a water quality test and a course of action based upon the received information, the course of action to include remedy of the deficiency.

5. (Currently Amended) A computer-implemented method for using a web registry to track an asset owner's inspection compliance, the computer-implemented method comprising:

granting remote access to a compliance registry system to at least three classes of user, wherein the three classes of user comprise:

(1) an owner of an asset

(2) an approval authority

(3) an inspector;

at a database, in communication with the compliance registry system, including records of assets, compiling an inspection list to include those assets which, after expiration of a designatable interval, will require an inspection;

generating with respect to at least one asset, a list of the qualified inspectors that are available to inspect the asset based upon attributes including proximity to the asset;

generating with respect to at least one asset, a notice notifying the approval authority of the status of the asset assigned to the approval authority, and wherein, the approval authority, upon accessing the compliance registry system, may update and review the status of the assets;

transmitting a notification to an owner of the at least one asset on the inspection list, including the list of qualified inspectors a description of the type of inspection, and a cost associated with the type of inspection, indicating that the asset requires an inspection, and wherein the owner of the asset, upon accessing the compliance registry system, may update and review the status of the assets;

displaying, at a web portal associated with the compliance registry system, attributes of the at least one asset, to at least one of the qualified inspectors from the list of qualified

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inspectors relative to the asset, the attributes selected to enable the at least one of the qualified inspectors to formulate a bid for a contract to inspect the asset;

receiving at the web portal associated with the compliance registry system, a bid from the at least one inspector from a list of qualified inspectors;

displaying to the owner the bid from the at least one inspector for selection;

receiving, at the web portal associated with the compliance registry system, the selection of a bid from the owner, such selection to include a form of payment for the inspection;

notifying the at least one inspector of a contract to inspect based upon the selected bid;

receiving, at the web portal associated with the compliance registry system, from the at least one inspector, according to an asset specific template provided by the compliance registry system, inspection information indicating the status of the asset, wherein the received inspection information includes receiving information describing deficiencies in the asset job, the owner of an asset receiving bids from qualified inspectors based on the needs of the asset;

after receiving the inspection information, notifying the approval authority of the inspection information;

receiving approval from the approval authority;

transmitting a notification that an inspection was completed and approved by an approving authority; and

releasing to the inspector the payment.

6. (Previously Presented) The method of Claim 5 further comprising:

populating the database with initial information about an asset that requires periodic inspection to comply with a code.

7. (Cancelled)

8. (Previously Presented) The method of Claim 5, wherein the receiving inspection information, further comprises:

collecting inspection information using a handheld device.

9. (Withdrawn) A method for using a web based registry containing fire hydrant information comprising: activating a handheld device configured to receive global positioning system location signals and wirelessly connected to the web registry containing fire hydrant information; determining fire hydrants in proximity to the handheld device using the global positioning system location and the web registry containing fire hydrant information; and displaying on a handheld device display a status of a plurality of fire hydrants within a predefined radius of the handheld device.

10. (Withdrawn) The method of Claim 9 further comprising: displaying on a handheld device display detailed information about each fire hydrant within a predefined radius of the handheld device.

11. (Withdrawn) The method of Claim 9 further comprising: displaying a route to the closest working fire hydrant to the handheld device.

12. (Withdrawn) The method of Claim 9 further comprising: displaying a route to the closest non-working fire hydrant to the handheld device.

13. (Withdrawn) The method of Claim 10 further comprising: entering a location of interest into the handheld device; determining fire hydrants in proximity to the location of interest and the web registry containing fire hydrant information; and displaying on the handheld device display a status of a plurality of fire hydrants in proximity to the location of interest.

14. (Withdrawn) The method of Claim 9 further comprising: receiving radio frequency identification signals from a fire hydrant with an installed radio frequency identification chip.

15. (Withdrawn) The method of Claim 9 further comprising: receiving information using the handheld device have a bar code reader from a fire hydrant with an installed barcode.

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BRYCER
Exhibit 1002
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16. (Withdrawn) A system for a web based compliance registry comprising: a processor; a display; a database in data communication with the processor and the display configured to store owned asset information; a user interface in data communication with the database configured to show owned asset information on the display; and a handheld device configured to wirelessly connect to the user interface and with the database in order to input and view owned asset data wirelessly and to store specific information based on its global position.

17. (Withdrawn) The system of Claim 16 wherein the database is stored locally on a computer.

18. (Withdrawn) The system of Claim 16 wherein the database is accessible by a computer over a network connection.

19. (Withdrawn) The system of Claim 16 wherein the owned asset is a fire hydrant.

20. (Withdrawn) The system of Claim 19 wherein the database is configured to store fire hydrant information related to at least one of hydrant ownership, make, model, year, color, condition, rating of needed maintenance, specific recommended maintenance, pressure, flow, location, address, time of inspection, environment conditions during inspection, landscaping, digital picture of hydrant, nozzle size and orientation, physical description of hydrant, special markings, service record, water quality, and hydrant number.

21. (Currently Amended) A computer-implemented method for using a web-based registry to track requisite inspection of an owned asset comprising:

granting remote access to a web-based registry system to at least three classes of user, wherein the three classes of user comprise:

(1) an owner of an asset

(2) an approval authority

(3) an inspector

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retrieving, by a computer-based system, real time records of assets from a database, the database being accessible and augmentable by a classes of user;

analyzing the records of assets from the database to identify notification events;

based on the analysis, notifying an owner of an asset ~~at~~ of a notification event, wherein the notice includes a description of the type of inspection, and a cost associated with the type of inspection, and wherein the notification event comprises a designatable interval in advance of an impending deadline for the inspection, and wherein the owner of the asset, upon remotely accessing the compliance registry, may update and review the status of the assets;

based upon the analysis, notifying the approval authority of the status of the assets assigned to the approval authority, and wherein the approval authority, upon accessing the web-based registry, may update and review the status of the assets assigned;

upon logging on to a password controlled website, providing to an inspector the owner selects, the selection based upon a list of qualified inspectors that are available to inspect the asset based upon attributes including proximity to the asset, a web-based template configured to describe the asset an each of the steps of the inspection;

receiving from the inspector, inspection information in specific response to the web-based template;

storing in a database in association with the asset, the inspection information, wherein the inspection information is accessible to the users, and updating the database in association with the asset based upon the inspection information;

transmitting to the approval authority, a compliance report including noting compliance, wherein the compliance report includes, noting deficiencies in the asset and storing the noted deficiencies in association with the asset.

22. (Previously Presented) The method of Claim 21, wherein the storing further includes:

storing, in association with the asset a new deadline date, based upon completion of the inspection.

23. (Previously Presented) The method of Claim 22 further comprising:

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receiving bids to perform a suitably compliant inspection of the asset from a group of qualified inspectors including, at least, the inspector; and

presenting to the owner a compilation of the bids for selection of the inspector.

24. (Previously Presented) The method of Claim 23 further comprising:

based upon the owner selecting the inspector, scheduling the inspector's inspection of the asset based upon the impending deadline, the inspector's availability, and the asset availability.

25. (Previously Presented) The method of Claim 21, wherein the compiling the report includes:

receiving, from the inspector, photographs of the asset or components of the asset; and

storing the photographs in association with the asset and the date of the inspection.

26. (Cancelled)

27. (Previously Presented) The method of Claim 21, wherein the noting deficiencies further comprises:

selecting a remedy deficiency deadline based upon the noted deficiency and the date of the inspection; and

storing in association with the asset a remedy deficiency deadline.

28. (Previously Presented) The method of Claim 27, further comprising

receiving bids to perform a suitably compliant remedy of the deficiency from a group of qualified contractors; and

presenting to the owner a compilation of the bids for selection of a contractor to remedy the deficiency.

29. (Presently Presented) The method of Claim 28 further comprising:

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based upon the owner selecting the contractor, scheduling the contractor to remedy the deficiency based upon the remedy deficiency deadline, the contractor's availability, and the asset availability.

30. (Previously Presented) The method of Claim 21, further comprising:

compiling compliance report including the noted deficiency.

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REMARKS

Claims 1-6, 8, 21-25 and 27-30 are pending and stand rejected. Claims 9-20 have been withdrawn. Claims 7 and 26 have been cancelled. Claims 1, 4, 5 and 21 have been amended. No new matter has been added to the application. Pursuant to 37 C.F.R. § 1.111, Applicants respectfully request reconsideration of the present application.

A three-month extension of time in which to respond to the Office Action dated October 31, 2019 is respectfully requested.

FORTHCOMING DECLARATION OF ANDREW MOREN PURSUANT TO 37 C.F.R. § 1.131

Applicants expect to file, shortly after this response, a declaration from the inventor, Andrew Moren, which will establish that Mr. Moren conceived of, and diligently pursued, the claimed invention prior to October 5, 2006. Once granted, and as a result of this forthcoming declaration, the previously cited Campion reference (US2008/0084291), is not prior art under Pre-AIA 35 U.S.C. § 102(a).

REJECTION OF CLAIMS UNDER 35 U.S.C. § 101

Claims 1-6, 8, 21-25, and 27-30 are rejected under 35 U.S.C. 101 as being allegedly directed to a judicial exception without significantly more. The Examiner's rejection is respectfully traversed.

At the outset, it is noteworthy that Examiner's prior rejection was made without the benefit of the October 2019 USPTO eligibility guidance. Applicant respectfully suggests the present claims, as amended, are eligible pursuant to 35 U.S.C. 101.

Claim 1 is eligible at least at Step 2A Prong 2:

Under 2A Prong Two, a claim that recites a judicial exception is not directed to that judicial exception, if the claim as a whole "integrates the recited judicial exception into a practical application of that exception." Prong Two thus distinguishes claims that are "directed to" the recited judicial exception from claims that are not "directed to" the recited judicial exception.

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In reference to Step 2A, the Office Action, at pages 3-4, calls out specific limitations, removed from the other limitations in the claim, and one by one tosses the individual limitations aside based on various legal theories. Under this level of dissection, any claim would fail to integrate a purported judicial exception into a practical application. After all, there can be no practical application of individual components analyzed in a vacuum. The October guidance warned of this approach:

> "As also explained in the 2019 PEG, the Prong Two analysis **considers the claim as a whole**. That is, the limitations containing the judicial exception as well as the additional elements in the claim besides the judicial exception need to be **evaluated together** to determine whether the claim integrates the judicial exception into a practical application. The additional limitations should not be evaluated in a vacuum, completely separate from the recited judicial exception. Instead, the analysis should take into consideration all the claim limitations and how those limitations interact and impact each other when evaluating whether the exception is integrated into a practical application."

When properly considered, amended claim 1 recites a highly specific method, beyond anything that was available at the time of priority, for using a web registry to track, identify, implement, record, and pay for a requisite inspection of an owned asset. Claim 1 lays out the method in exceptional detail. Claim 1 as a whole recites a turnkey method for a connected automated or semi-automated compliance monitoring system that provides remote access to each stake holder in the compliance triangle.

Purported "Exta-Solution Activity:

At page 4-5, Examiner states that the following elements, together making up the majority of the claimed invention, are nothing more than extra solution activity:

> "The additional elements of ... retrieving records of assets from a database to generate an inspection list including each asset due and each asset within a designatable interval of being due for inspection; for each asset on the inspection list, retrieving a list of qualified inspectors according to designatable attributes

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including proximity to the asset; generating a notice notifying an owner of the asset of an impending deadline for the inspection such notice to include the list of qualified inspectors for the asset. .. augmenting at the database, the records relative to the asset to reflect the information the inspector supplies when the inspection is approved by the approving authority add insignificant extra solution activity to the judicial exception such as mere data gathering. See MPEP 2106.05(g)

The additional elements of ... transmitting the report completed inspection to an approving authority; transmitting, from the approving authority, a notice to the owner of the asset, the notice to include a report of the received information and where the received information includes a noted deficiency add insignificant extra solution activity to the judicial exception such as data transmitting. See MPEP 2106.05(g)."

This conclusion throws the baby out with the bathwater. MPEP states, "[t]he term "extra-solution activity" can be understood as activities incidental to the primary process or product that are merely a nominal or tangential addition to the claim." MPEP 21.05(g). The method steps identified by Examiner are not simple post solution activity, nor are they "merely a nominal or tangential" addition to the claim. In fact, it is unclear from the Office Action what the "solution" even is that these elements are "extra" to. These limitations are an integral part of the claimed improved turnkey method for a connected automated or semi-automated compliance monitoring system that provides remote access to each stake holder in the compliance triangle. Further, these limitations are far from the "apply it" type. Instead, they more specifically claim the meats-and-bounds of the invention, describe the requirements of each step, who performs them, and the impact one step has on another. Amended claim 1 adds even more detail, none of which is "extra" and instead employs any alleged abstract idea.

Applicant respectfully suggests that the prior analysis failed to consider the claims as a whole, and in doing so, was able to make a conclusory finding that claim 1 is not integrated into a practical application. The amendments to claim 1 add even more detail to the method, and further describe the requirements of the practical application of the invention.

Claim 1 recites an Improvement to the Technical Field:

Under the 2019 PEG, the "improvements" analysis in Step 2A determines whether the claim pertains to an improvement to the functioning of a computer or to another technology without reference to what is well understood, routine, conventional activity. The test here is (1) does the specification provide sufficient detail such that one of ordinary skill in the art would recognize the claimed invention as providing an improvement, and (2) is that improvement set forth in the specification reflected in the claim. Applicant respectfully suggests the answer to both is yes, and therefore claim 1 is eligible at step 2A prong two.

The specification clearly provides sufficient details such that one of ordinary skill in the art would recognize the claimed invention as providing an improvement, for example at paragraph [0005]-[0009] the specification clearly and specifically lays out the shortcomings of prior art solutions and the benefits of the claimed invention to the technical field. These improvements include:

Specification Describing Shortcoming in Technical Field	Claimed Improvement
"The completed inspection may be recorded in local neighborhood records (privately owned hydrant), a firehouse or in a computer system stored locally in an inspectors office. Most of these inspections are not available globally and generally are not available at the time of a fire." [0004]	granting remote access, by a computer-based system, to the web registry to at least three classes of user, wherein the three classes of user comprise: (1) an owner of an asset (2) an approval authority (3) an inspector; retrieving, by a computer-based system, real time records of assets from a database ~~to generate an inspection list including~~, the database being remotely accessible and augmentable by each of the at least three classes of user
"A global registry currently does not exist for many owned asset areas and more specifically in the fire hydrant space resulting in a lack of global knowledge available when making widespread decisions regarding fire hydrants or a water system. The disadvantage of using	granting remote access, by a computer-based system, to the web registry to at least three classes of user, wherein the three classes of user comprise: (1) an owner of an asset (2) an approval authority (3) an inspector;

Specification Describing Shortcoming in Technical Field	Claimed Improvement
current fire hydrant management Software is the limitation of communication within the department and interdepartmentally." [0006]	retrieving, by a computer-based system, real time records of assets from a database ~~to generate an inspection list including~~, the database being remotely accessible and augmentable by each of the at least three classes of user for each asset on the inspection list, retrieving a list of qualified inspectors according to designatable attributes including proximity to the asset, wherein an inspector, **upon accessing the web registry, can review and update information, including location** for each asset on the inspection list, generating a notice notifying the approval authority of the status of the assets assigned to the approval authority, and wherein, **the approval authority, upon accessing the compliance registry, may update and review the status of the assets** for each asset on the inspection list, generating a notice notifying an owner of the asset of an impending deadline for the inspection such notice to include the list of qualified inspectors for the asset, a description of the type of inspection, and a cost associated with the type of inspection, and wherein the owner of the asset, **upon accessing the web-based registry, may update and review the status of the assets assigned to the owner**
"Commonly the person who inputs the data is not the one who uses the data, the Software is limited to a specific computer, and the system of inputting and using data relies on the location and type of the specific computer." [0006]	granting remote access, by a computer-based system, to the web-based registry to at least three classes of user, wherein the three classes of user comprise: (1) an owner of an asset (2) an approval authority (3) an inspector;

Specification Describing Shortcoming in Technical Field	Claimed Improvement
	retrieving, by a computer-based system, real time records of assets from a database ~~to generate an inspection list including~~, the database being remotely accessible and augmentable by each of the at least three classes of user
"Also, the maintenance crew does not have an easy way to communicate the status of a damaged hydrant to the fire marshal. There is not a software program that gives one department the ability to share their information with other departments either using the same software or using other software." [0006]	for each asset on the inspection list, generating a notice notifying the approval authority of the status of the assets assigned to the approval authority, and wherein, **the approval authority, upon accessing the compliance registry, may update and review the status of the assets** for each asset on the inspection list, generating a notice notifying an owner of the asset of an impending deadline for the inspection such notice to include the list of qualified inspectors for the asset, a description of the type of inspection, and a cost associated with the type of inspection, and **wherein the owner of the asset, upon accessing the web-based registry, may update and review the status of the assets assigned to the owner** granting remote access, by a computer-based system, to the web-based registry to at least three classes of user, wherein the three classes of user comprise: (1) an owner of an asset (2) an approval authority (3) an inspector;
"Further, current software fails to record all the available data upon an inspection." [0008].	receiving, by a computer-based system, at a server through an internet portal, the server in communication with the compliance registry, information that one of the qualified inspectors supplies, the information garnered by performing the required inspection;

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Specification Describing Shortcoming in Technical Field	Claimed Improvement
	retrieving, by a computer-based system, a report template configured to the asset, compiling a report based upon the information the inspector supplies ~~in accord with a template configured to the asset~~
"all previous approaches are tailored for input by a government agency Such as a fire department or maintenance crew. This generally discourages the department from seeking independent (and unbiased) private companies to inspect and maintain fire hydrants." [0009]	for each asset on the inspection list, generating a notice notifying an owner of the asset of an impending deadline for the inspection such notice to include the list of qualified inspectors for the asset, a description of the type of inspection, and a cost associated with the type of inspection, and wherein the owner of the asset, upon accessing the web-based registry, may update and review the status of the assets assigned to the owner

"Consideration of improvements is relevant to the integration analysis regardless of the technology of the claimed invention. That is, the consideration applies equally whether it is a computer implemented invention, an invention in the life sciences, or any other technology." October Eligibility Guidance at 13. The specification clearly lays out, and the claims follow, the technical improvement offered by the present invention. Such **improved method of record keeping** will improve a city's ISO (insurance) rating **which will save money in insurance premiums for local businesses and homes**. Further, the web based compliance registry is advantageous to improve the process of inspections and in many cases introduce a new ability to enforce inspections. Further, the claimed method provides an **easier way for authorities to charge for their review time and a way to confirm inspection companies are licensed to work in their city.**

Further evidence of eligibility at Step 2A:

Just as in Example 46, as described in Appendix A to the October Eligibility Guidance, claim 1 does not merely link the judicial exception to a technical field, but instead adds a

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meaningful limitation in that it **employs** the information provided by the judicial exception (the collection of information) to, (1) determine relevant inspectors based on the asset and location of the asset, (2) initiate an inspection, (3) select a template relevant to the asset, (4) upload the template with completed inspection information, (5) update asset information, and (6) make that information accessible to the relevant parties, thus avoiding the need for the asset owner, or the approval authority, or for example, a fireman searching for a fire hydrant, to evaluate the status of the asset on a continual basis, because the status is accessible remotely via the web registry. Additionally, the claim creates a template for the inspection based on the asset, avoiding the need for the inspection authority to manually separate each type of inspection form and thus permit the inspection authority to devote less time to administrative tasks. Thus, claim 1 goes beyond merely automating the abstract ideas and instead actually uses the information obtained via the judicial exception to take corrective action by selecting inspectors, providing a remote and connected portal to upload the inspectors findings in a templated manner, while allowing the other stake holders to review those findings, updating the status of an asset, and paying the inspector. These are "other meaningful limitation" that integrate the judicial exception into the overall compliance management scheme and accordingly practically applies the exception, such that the claim is not directed to the judicial exception. Claim 1 is eligible.

Thus, the current claimed invention recites additional elements that integrate the exception into a practical application of the exception. Therefore, the rejection is improper and should be withdrawn.

With respect to Step 2B "Does the claim recite additional elements that amount to significantly more than the judicial exception" of USPTO guidelines, Applicant respectfully submits that the claims also include specific limitations that "amount to significantly more than the abstract idea of itself."

To summarize, independent claim 1, for example, recites

> *"transmitting, from the approving authority, a notice to the owner of the asset, the notice to include a report of the received information;*

automatically augmenting at the database, the records relative to the asset to reflect the information the inspector supplies when the inspection is approved by the approving authority."

Firstly, the claimed invention enables tracking a requisite inspection of an owned asset using a web registry, so that the updated information is advantageously viewed by all interested parties, e.g. an owner of an asset, an approval authority, and an inspector, each of which may

"upon accessing the compliance registry, may update and review the status of the assets assigned."

Further, the web based compliance registry is advantageous to improve the process of inspections and in many cases introduce a new ability to enforce inspections.

Secondly, the claimed method provides a method to augment the records relative to the asset, according to a defined template, to reflect the information the inspector supplies when the inspection is approved by the approving authority. Thus, the method may enable a particular standard format for collecting asset information, so that all the interested parties can easily access the information. In an aspect, such method provides an easier way for authorities to charge for their review time and a way to confirm inspection companies are licensed to work in their city. In another aspect, such improved method overcomes the disadvantage of using current fire hydrant management software i.e. the limitation of communication within the department and interdepartmentally.

Therefore, the claims include limitations that amount to significantly more than "an idea of itself."

As stated above, and as described in the October Guidance, the Applicant respectfully requests the Examiner to avoid oversimplifying the claims by looking at them generally to interpret an abstract idea in terms of "abstract idea of itself" and to consider the specific requirements of the claim, as explained above, that amounts to significantly more.

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Further, similar to automatic lip synchronization and facial expression animation using computer-implemented rules that was found patent eligible under 35 U.S.C. § 101 in *McRO, Inc. v. Bandai Namco Games America*, claims 1, 5, and 21 are also directed to an improvement in computer-related technology i.e. facilitating tracking a requisite inspection of an owned asset using a web registry and so that **the updated information is advantageously viewed by all interested parties,** that previously couldn't be achieved.

Accordingly, Applicant respectfully submits that the amended claim 1 and the above-mentioned arguments recite patent eligible subject matter, rendering the rejection improper, and Applicant requests withdrawal of the rejection.

Examiner rejects claims 5 and 21 using the same arguments described above with respect to claim 1. Claims 5 and 21 also include the above argued significant limitations and direct to a patent eligible subject matter, and therefore withdrawal of their rejection is also requested.

Further, dependent claims 2-4 are also allowable under 35 USC § 101 for their dependence on allowable claim 1, and claims 6 and 8 are also allowable for their dependency on independent claim 5. Further, claims 22-25 and 27-30 are also allowable for their dependency on independent claim 21. Thus, Applicant respectfully requests the Examiner to withdraw this rejection.

REJECTION OF CLAIMS 1-2 UNDER 35 U.S.C. § 103(A)

Claims 1-2 are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over U.S. Publication No. 2008/0084291 (hereinafter known as "Campion") in view of U.S. Patent No. 7,831,628 (hereinafter known as "Silva") and U.S. Publication No. 2005/0108038 to Cober (hereinafter "Cober").

Amended claim 1 includes various limitations not found in the prior art cited by Examiner. With respect to Campion – The reference describes a remote accessory that helps during a fire alarm panel inspection. During an inspection you have to test each device, then confirm the panel received the signal. This is often done with two people talking on the phone to

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each other (one going from device to device, the other standing at the panel). The Campion art proposes an accessory to replace the person at the panel. The device receives and records the signal. At [0043] Campion expands the idea to include multiple testers from multiple sites and also into a standard form required by a jurisdiction, and also notification to building owners of upcoming inspections. But even so, it does not describe a portal for the industry stakeholders (approval authority, inspectors, owners) to administer or add to the data, as required by claim 1, which, as amended, requires:

> granting **remote access**, by a computer-based system, to the web-based registry to at least **three classes of user**, wherein the three classes of user comprise:
>
> (1) an owner of an asset
>
> (2) an approval authority
>
> (3) an inspector;
>
> for each asset on the inspection list, generating a notice notifying the approval authority of the status of the assets assigned to the approval authority, and wherein, **the approval authority, upon accessing the compliance registry, may update and review the status of the assets**;
>
> for each asset on the inspection list, generating a notice notifying an owner of the asset of an impending deadline for the inspection such notice to include the list of qualified inspectors for the asset, **a description of the type of inspection, and a cost associated with the type of inspection**, and wherein the owner of the asset, **upon accessing the web-based registry, may update and review the status of the assets assigned to the owner**

Specifically, Campion states, at [0049] "*The system is not contemplated as involving bidirectional communication…*". The Campion invention is an on-site remote accessory to collect data, store in a database, and allow other testers to review, locally. Conversely, Claim 1 describes a system where the users, at any time, may access and update and review the status of an asset. Campion simply describes a better way to DO a test, but it doesn't detail any automated process or method for enforcing the next required test via a remote compliance registry, as required by claim 1. It is about authentication and not about compliance. It's about storage of data, locally, but not using the data to automate processes or to provide access to relevant parties

from remote locations. For example, Campion at [0057] only ever anticipates the onsite technician interacting with the onsite panel to input information.

As a result, Campion fails to teach or suggest every limitation of claim 1.

Because Campion fails to teach multiple limitations of claim 1, Examiner must rely on Silva or Cober. With respect to Silva, that reference describes data in a STATIC form. "The present invention stores, maintains, and provides access to all current data related to a property…" This is a static environment heavily dependent on manual intervention to further the status. The present invention, as claimed, uses data to automatically generate activities:

> retrieving, by a computer-based system, real time records of assets from a database to generate an inspection list including, the database being remotely accessible and augmentable by each of the at least three classes of user;
> analyzing the records of assets from the database to determine whether an asset requires inspection;
> automatically creating an inspection list, based upon the analysis of records of assets from the database, wherein the inspection list includes each asset due for inspection and each asset within a designatable interval of being due for inspection

Further, Silva fails to teach a method for ongoing enforcement and compliance, i.e *"automatically augmenting at the database, the records relative to the asset to reflect the information the inspector supplies when the inspection is approved by the approving authority*". Instead, Silva's teachings stop at the generation of a permit.

Finally, Silva describes an approval authority – to – Building owner linear relationship. The present invention describes a balanced triangle between 3 parties (approval authority – to – asset owner – to – Inspector – to approval authority (and repeat)). Silva does not teach, for example:

"transmitting a notification to an owner of the at least one asset on the inspection list, including the list of ***qualified inspectors****, indicating that the asset requires an inspection, and wherein the owner of the asset, upon accessing the compliance registry, may update and review the status of the assets."*

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At 5:66-67, as cited by Examiner, Silva does not teach a system transmitting a list of "qualified inspectors" for at least two reasons (1), because the cited portion of the Silva reference actually teaches the *applicant* selecting an inspector, as opposed to the system transmitting a list of qualified inspectors, and (2) the "inspector" Silva describes is an employee with the jurisdiction (city, state, county) charged with reviewing and approving a building permit inspection. They play the role of the approval authority. Whereas in the present invention, the term 'Inspector' describes a person, a 3rd party company, hired by the property owner to perform a periodic inspection as enforced by code. As a result, Silva fails to teach all of the limitations of the claim 1 and cannot make up for the deficiencies in Campion.

Cober too fails to teach the deficiencies of Campion and Silva. As a result, the combination of Campion, Silva, and Cober fails to teach or suggest each limitation of claim 1.

REJECTION OF CLAIM 3 UNDER 35 U.S.C. § 103(A)

Claim 3 is rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Campion in view of Silva and Cober, in further view of U.S. Patent No. 6,446,053 (hereinafter known as "Elliott").

As stated above, the combination of Campion, Silva, and Cober fail to teach at least "granting remote access, by a computer-based system, to the web-based registry to at least three classes of user, wherein the three classes of user comprise: (1) an owner of an asset; (2) an approval authority; and (3) an inspector; " As well as, "generating with respect to at least one asset, a list of the qualified inspectors that are available to inspect the asset based upon attributes including proximity to the asset;" as required by claim 3. Elliott too fails to teach the required claim limitation. As a result, any combination of Campion, Silva, Cober and Elliott fails to teach every limitation required by claim 3. Therefore, Applicants respectfully submit that Claim 3 is patentable.

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REJECTION OF CLAIM 4 UNDER 35 U.S.C. § 103(A)

Claim 4 is rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Campion, Silva and Cober, in further view of U.S. Publication No. 2006/0235611 to Deaton (hereinafter "Deaton").

Claim 4, as amended, further requires "wherein the asset is a fire hydrant, and further wherein the report of the received information includes a water quality test."

As stated above, the combination of Campion, Silva, and Cober fail to teach various limitations of claim 1, upon which claim 4 depends. Further, none of Campion, Silva, nor Cober teach report information including a water quality test from a fire hydrant. As a result, claim 4 is allowable.

REJECTION OF CLAIMS 5, 6 AND 8 UNDER 35 U.S.C. § 103(A)

Claims 5, 6, and 8 are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Campion and Silva, in view of U.S. Patent No. 6,446,053 to Elliott (hereinafter "Elliott") and Deaton.

As stated above, the combination of Campion, Silva, and Cober fail to teach at least "granting remote access, by a computer-based system, to the web-based registry to at least three classes of user, wherein the three classes of user comprise: (1) an owner of an asset; (2) an approval authority; and (3) an inspector; "As well as, "generating with respect to at least one asset, a list of the qualified inspectors that are available to inspect the asset based upon attributes including proximity to the asset;" as required by amended claim 5. Elliot too fails to teach the required claim limitation. As a result, any combination of Campion, Silva, Cober and Elliot fails to teach every limitation required by claim 5. Therefore, Applicants respectfully submit that Claim 5 is patentable.

REJECTION OF CLAIMS 21-22, 24-25, 27, 29 AND 30 UNDER 35 U.S.C. § 103(A)

Claims 21-22, 24-25, 27, 29 and 30 are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Campion, in view of U.S. Publication No. 2008/0114638 (hereinafter known as "Colliau") and further in view of Deaton.

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Campion fails to teach limitations of amended Claim 21, including, "granting remote access, by a computer-based system, to the web-based registry to at least three classes of user, wherein the three classes of user comprise: (1) an owner of an asset; (2) an approval authority; and (3) an inspector; ". Nor does Campion teach, retrieving, by a computer-based compliance registry system, real time records of assets from a database, **the database being accessible and augmentable by a class of user**; . . . . and wherein the owner of the asset, **upon remotely accessing the compliance registry, may update and review the status of the assets**;

Nowhere do Calliau or Deaton teach the limitations not taught by Campion. As a result, no combination of the references can teach or suggest each limitation of claim 21. Therefore, Applicants respectfully submit that Claim 21 is patentable

In addition, the remaining claims that depend from these independent claims are patentable at least because they depend from an allowable base claim. Consequently, Applicants respectfully request that these Section 103 rejections be withdrawn and the claims found patentable.

CONCLUSION

For the foregoing reasons, Applicants respectfully request withdrawal of the aforementioned objections and rejections and reconsideration of the application. If there are any remaining matters that may be handled by telephone conference, the Examiner is kindly invited to call the undersigned. Any additional fees or overpayment as a result of this filing may be charged to Deposit Account No. 061629.

Respectfully submitted,

FOSTER GARVEY PC

/Kevin S. Ormiston/
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Electronic Patent Application Fee Transmittal

Application Number:	12011202
Filing Date:	23-Jan-2008
Title of Invention:	Systems and methods for a web based inspection compliance registry and communication tool
First Named Inventor/Applicant Name:	Andrew Moren
Filer:	Richard Thomas Black/Kristine Springer
Attorney Docket Number:	220867-1000-100

Filed as Small Entity

Filing Fees for Utility under 35 USC 111(a)

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

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension - 3 months with $0 paid	2253	1	700	700
Miscellaneous:				
			Total in USD ($)	**700**

Electronic Acknowledgement Receipt

EFS ID:	39321311
Application Number:	12011202
International Application Number:	
Confirmation Number:	7547
Title of Invention:	Systems and methods for a web based inspection compliance registry and communication tool
First Named Inventor/Applicant Name:	Andrew Moren
Customer Number:	16579
Filer:	Richard Thomas Black/Kristine Springer
Filer Authorized By:	Richard Thomas Black
Attorney Docket Number:	220867-1000-100
Receipt Date:	30-APR-2020
Filing Date:	23-JAN-2008
Time Stamp:	19:14:30
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	$700
RAM confirmation Number	E20204TJ16005436
Deposit Account	061629
Authorized User	Kristine Springer

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)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		1000_NFOAResponse_20200430.pdf	229643 489452dafc91fbbb4b9c9e0fb1e6eb675da09cb3	yes	25
	Multipart Description/PDF files in .zip description				
	Document Description		**Start**	**End**	
	Amendment/Req. Reconsideration-After Non-Final Reject		1	1	
	Claims		2	10	
	Applicant Arguments/Remarks Made in an Amendment		11	25	
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	30347 e019dcfdbacdeccd9efd8c2726c9ccd17b0763e2	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	259990		

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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.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Andrew Moren et al.	Attorney Docket No.	220867-1000-100
Application No.	12/011,202	Group Art Unit:	3629
Filing Date:	January 23, 2008	Examiner:	PRATT, EHRIN LARMONT

Title: SYSTEMS AND METHODS FOR A WEB BASED INSPECTION COMPLIANCE REGISTRY AND COMMUNICATION TOOL

DECLARATION OF ANDREW MOREN PURSUANT TO 37 C.F.R. § 1.131

Dear Sir:

I, Andrew Moren, declare as follows:

1. I am over the age of 18 and a resident of Gig Harbor, Washington State.

2. I live at 6804 84th St Ct NW, Gig Harbor, Washington 98332.

3. I invented the subject matter disclosed and claimed in United States Patent Application No. 12/011,202 ("hereinafter the '202 application").

4. My attorney, Richard T. Black, with the assistance of a patent agent colleague, prepared and filed the '202 application. I reviewed and approved the application before it was filed on January 23, 2008.

5. I understand that the Patent Office is reviewing claims 1-6, 8, 21-25 and 27-30 of the '202 application in light of several other patents including U.S. Publication No. 2008/0084291 to Campion et al. (hereinafter "Campion") and U.S. Patent No. 7,831,628 to Silva et al. (hereinafter "Silva") in further view of U.S. Publication No. 2005/0108038 to Cober et al. (hereinafter "Cober").

6. I also understand that Campion claims priority from and the benefit of U.S. Provisional Application No. 60/849,478, filed October 5, 2006.

7. I have been asked to collect and review my records in order to show when I invented the subject matter of the '202 application and the events between my conception of the

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invention disclosed in the '202 application and the January 23, 2008 filing of the '202 application. The following information details my recollection of my activities and related documents showing that I conceived my invention before October 5, 2006, and diligently pursued obtaining patent protection for my invention until my patent application was filed.

8. I developed the initial idea for my invention while working with my Father, Robert Moren, in the fire sprinkler design business where we regularly discussed ways to improve our industry. One of the requirements of a fire sprinkler system design is to research the available fire flow for performing hydraulic calculations. As such, my father and I have tested and flowed many fire hydrants. It became a common observance that fire hydrants are rarely inspected, tested, and maintained (ITM) despite State and National codes requiring periodic ITM activities. Many of the fire hydrants we found were rusted, hidden, or would not operate. You could tell that no one had visited the fire hydrant for several years, if ever. We resolved that the core problem, for fire and other regional safety equipment, was enforcement. The laws and codes were in place but the lack of manpower and funding through the jurisdictions prevented local authorities from enforcing fire prevention ITM activities. Furthermore, there was no visibility to the current status of these life safety systems which are needed during an emergency. Fire departments arrive at a site with no knowledge of a hydrants health they'll be using to fight a fire. Out of that necessity, we began working toward a system and method to help enforce ITM activities. Exhibit A is an email from January 28th, 2005 from GoDaddy acknowledging the registration of www.hydrantworks.com. This shows early action and financial commitment towards the type of system we envisioned. Exhibit B is an email from February 21st, 2005 from myself, Andrew Moren, to Don Shaw of DSE Inc stating our intent to develop on our idea, which I described in my initial email, with the use of DSE Inc's services for software and database development. In Exhibit C, the email conversation continued for several months as we searched for appropriate equipment and continued researching and working on the idea. Exhibit D is an email order receipt from GoDaddy on April 8th, 2005 securing several domain names pertaining to our invention, including hydrantregistry.com. Exhibit E is an email order receipt from GoDaddy on April 8th, 2005 securing a hosting account for development of the invention. Exhibit F is an email

DocuSign Envelope ID: 30F307C3-193C-4670-8CD9-5E2822882660

conversation with Michael Flick of Walkabout Computers on July 9th, 2005 discussing further hardware, development, implementation, and ideas. Exhibit G from February 17th, 2006 shows timesheets from our software developer working on the invention. Similarly Exhibit H from March 10th, 2006 shows timesheets from our software developer working on the invention. More exhibits like these timesheets exist but are not included here. Exhibit I is a non-disclosure agreement with Larry and Ann Crabtree on June 15th, 2006 to discuss a business embodying the invention with a potential investor.

9. These exhibits show our continual research and development of the invention leading up to the invention disclosure and patent application. The invention we conceived of, and as I described above, and as described in the Exhibits, is directly embodied in the claims of the application, namely a computer system for tracking compliance, automatically notifying relevant parties, and updating registries in an effort to increase compliance and reliability of important infrastructure. We continued working on the invention through filing of the provisional application on January 23, 2007. Each of the events discussed above occurred prior to the Campion reference priority date, which I understand is October 5, 2006.

10. All of these events took place in the United States of America.

11. 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 18 U.S.C. § 1001, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: 5/15/2020

DocuSigned by:
Andrew Moren
48497B5FA1C7452...

Andrew Moren

EXHIBIT A

Andrew Moren

From: support@godaddy.com
Sent: Friday, January 28, 2005 3:13 PM
To: fireshield@centurytel.net
Subject: Information regarding the registration of HYDRANTWORKS.COM

Go Daddy.com Make a name with us!

The #1 Ranked Registrar!

Confirmation:

The registration request for the domain name(s) below were submitted to the respective registries:

HYDRANTWORKS.COM

If the domain registration is successful, the domain(s) will be active in your account shortly. If for some reason your domain registration should fail, you will receive an email notification from us with further instruction.

Click here to manage and modify your domain information.

Thanks for your purchase. Your domain name is a great start!

GoDaddy.com offers much more than just domain name registration. Check out some of these great products and services that help you get the most out of your domain!

• **Web Hosting & Servers** – Enjoy **FREE setup** from GoDaddy.com and enjoy a fast, secure, affordable plan that's just right for you – with a company you know and trust. GoDaddy.com offers a world-class data center, best-of-breed equipment, 24/7 live security, monitoring and live support. Starting at just $3.95 per month! Learn more

• **Web Site Builders** – From click 'n build templates to powerful yet easy-to-use software – you can build a professional site in minutes! Even run your own online store!

• **Private Registrations** – Want to keep other people from getting your personal information from your domain name registration? We can help you do it! Learn more

• **Personalized Email Accounts** – Put your domain name to work with a personalized (you@yourdomain.com) spam, fraud and virus-protected email account. Learn more

• **Web Site Promotion** – Submit your Web site to key search engines and directories like Google® and MSN®. Create, send and track spam-free emails to customers and prospects.

• **Site Security** – Add the browser lock to your site with an affordable Secure SSL Certificate from Go Daddy. Learn more



- Modify the name servers for my domain?
- Change my Auto-Renewal options?
- Use FREE Domain Locking?
- Modify my contact information?
- Take advantage of FREE domain forwarding?
- Change registrant of a domain for FREE?

For more information, click any of these product links or visit us at www.godaddy.com.

Thanks again for your purchase! If you need any further assistance or technical support, call us at **480-505-8877** day or night, or email us at support@godaddy.com. We appreciate your business!

Sincerely,
GoDaddy.com

- Get the most out of my domain name?



Domains, Transfers & Renewals

Join us in celebrating our first Super Bowl TV ad! Get a 1-year new domain name, transfer or renewal for only $3.99* with each and every new non-domain product you buy. No limit.
Learn more

- Register more domain names.
- Transfer domain names to Go Daddy.

*Plus ICANN fee of 25 cents per domain name year.

Go Daddy ranked #1 among all registrars in net new domain name registrations for the years '02, '03 and '04.
Source: Name Intelligence, Inc. DBA Whois Source.

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EXHIBIT B

Andrew Moren

From: Don Shaw <don.shaw@dseinc.com>
Sent: Sunday, February 27, 2005 9:46 AM
To: fireshield@centurytel.net
Subject: Re: Full setup needed

Hi Andrew,

I apologize for not getting back to you sooner, but I had a small client crisis arise late last week which needed my immediate attention.

My suggestion for your project would be to start with a feasibility study which during my initial research, I found that both the Palm Treo 650 and the Sony Ericsson P800 mobile phones are supported by AppForge which is the development platform I use to design and develop these handheld applications. The P800 is a cell phone that seems to be only supported by AT&T Wireless network which I'm not sure would be an issue for you, but the great part is that it has a built-in digital camera and supports Bluetooth. As for the Treo 650, it seems to be supported by both AT&T and Sprint which thus provides some additional flexibility and may be the device of choice.

If you search the Internet for Treo 650 or Sony P800, you will find numerous sites with information, specifications and reviews. I would encourage you to do a little initial research on these various phones to see if any of them especially the Treo 650 would fulfill your needs since you know your current project requirements somewhat better then myself at this time.

Afterwards, if you believe that either the Treo 650 or the P800 is a suitable solution, we could get one in-house in order to perform an initial feasibility study. One word of warning here is that these phones seem to cost between $410-$450 which given the features, I don't believe is all that expensive considering my Palm Tungten T5 almost cost this amount and my HP iPaq hx4700 was approximately $690.00, and neither of these device has a built-in digital camera.

With regards to GPS, you could easily purchase a low-cost Garmin GPS system for locating the coordinates within 15-3 meters depending on the model. There are some handheld GPS devices that support the PalmOS platform, but unfortunately, I've not been able to locate one with a built-in digital camera which may have been the ultimate solution for your project.

After you have some time to do some some preliminary research, please let me know your thoughts and ideas, and then we can decide the next best step towards bringing your project concept to reality. I'll be looking forward to hearing from you soon...

Thanks!
Don

==========

DSE Software Solutions
Phone: (978) 297-4445
Email: don.shaw@dseinc.com
General: information@dseinc.com
Support: techsupport@dseinc.com
Web: http://www.dseinc.com

==========

----- Original Message -----

BRYCER
Exhibit 1002
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From: fireshield@centurytel.net
To: mailer@dseinc.com
Sent: Monday, February 21, 2005 6:44 PM
Subject: Full setup needed

Message from DSE Software Solutions Contact Us page.

Department: Software Development

Contact Name: Andrew
Email Address: fireshield@centurytel.net

Message:
Im looking for a complete setup of services. PDA software development, database, and website. Based on the information in your website, you definately seem capable of handling it. Id like to know what I should figure for cost and development time/turn around?

Im starting a company that is heavily dependent on the rate of data input and management as well as the customers ability to view that data.

I will have numerous field crew that will be collecting and updating data for a database. They will be all over the nation (Washington State to start). Im envisioning each crew having a web-accessible PDA with a simplified input program. At each collection point the crew should have the option of adding a new point or retrieving an existing one from the database (using GPS). They would input/verify about 60 items (many defaults) (probably spread over 6 PDA pages). A minimum 1.0MP digital picture would be taken and automatically inserted as well as the GPS coordinates at the push of a button. That data is immediately (or as soon as a signal is present) sent to the database/website for customers viewing. Certain portions of the database will be available to the customers for changes. (for example a box indicating they acknowlege viewing the data and maybe a brief note they want to add). The website will also use the database to make a suggested list of needed parts and supplies, then take orders for those lists if the customer wants.

The website will be used to view the database in whatever order the customer wants to see it. (for example: show all data in order of name A-Z or name Z-A OR even show all items that start with the letter C and dated on 01/01/05) Im interested in a mapping program (showing roads and my collection points) but don't know if you have those capabilities.

The website will also have the usual pages (news, contact us, employment, links, etc)

I'd like to be able to use my PDA's to help crews automatically locate the nearest existing collection points. (if possible)

Im also interested in using the PDA's for tracking crew locations and routes as well as automatically filling out time cards. (I know certain Nextel services can do these).

To simplify (hopefully) I need a:
1. PDA with Wireless Web capabilities via cell phone (nextel preferred but not absolute) that can accept GPS coordinates and a built in or attachable camera.
2. PDA program for data input, GPS coords, and a picture. The program should be a 'real time' image of the database.
3. A database capable of handling over a million inputed items each with 60 pieces of data.
4. Website hosting
5. Website development as described.

I am looking for a serious quote. If you would like to contact me for better clarification my phone number is 253-851-0030

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Thanks,
Andrew

EXHIBIT C

Andrew Moren

From: Don Shaw <don.shaw@dseinc.com>
Sent: Tuesday, May 03, 2005 4:57 AM
To: Fireshield Inc
Subject: Re: Project status update...

Hi Andrew,

It's been a little over a month since our last correspondence, and it's been very hectic lately here so I haven't had a chance to contact you until now.

When you have a minute, could you please update on the status of your project as well as if you're still considering moving forward. I'll be looking forward to hearing from you soon and possibly working with you to bring your project to a successful closure.

Thanks!
Don

==========
DSE Software Solutions
Phone: (978) 297-4445
Email: don.shaw@dseinc.com
General: information@dseinc.com
Support: techsupport@dseinc.com
Web: http://www.dseinc.com
==========

> ----- Original Message -----
> **From:** Fireshield Inc
> **To:** Don Shaw
> **Sent:** Monday, March 28, 2005 6:27 PM
> **Subject:** Re: Project status update...
>
> Thanks Don!
>
> It sound like AppForge has the best platform. I especially like the fact they've made it easier to communicate with other devices. I looked at the list and you're right, it is rather long. I'm trying to figure out if we can or why we can't access the 'ingots' of the gps coordinates in an E911 chip in the smartphones. It's there and it's doing exactly what I need, why can't I customize it. (im sure this battle has been fought before).
>
> (By the way, In addition to the Treo 650 there's the Audiovox PPC-6600. It has more memory, the built in camera, a slide out keyboard, its Windows based, and its 1XEVDO based for quicker connection to the internet.)
>
> Thanks for the information!
> Andrew
>
> > ----- Original Message -----
> > **From:** Don Shaw
> > **To:** Fireshield Inc
> > **Sent:** Monday, March 28, 2005 12:36 PM
> > **Subject:** Re: Project status update...
> >
> > Hi Andrew,

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Thanks for the quick response!!!

Just a quick note for you and something that you may want to pass onto your brother-in-law. There are numerous programming languages out there like Java, C, C#, Visual Basic, VB.NET that all can be used to develop pda applications. Most of them are used to develop applications strictly for the PalmOS or strictly for PocketPC(WinCE).

The development platforms are numerous as well, but I standardized on AppForge's Crossfire/MobileVB platform. The major reason I standardized on AppForge is due to the fact that basically the same codebase will run on PalmOS, PocketPC and Symbian so the code so to speak becomes device independent. Another major reason for selecting AppForge is that they have done most of the leg work for you with regards to communicating with built-in and external accessories. They have what they call "ingots" more popularly known as "custom controls" that you can place on a form in your application to communicate with different accessories without having to write native code to communicate with each accessory's API thus greatly reducing the development time and cost.

This is just some food for thought and if you check out the link below, you'll see all the devices that are currently supported by AppForge. I still have yet to find another company that supports this many different devices and the list keeps growing.

http://scripts.appforge.com/clients/supported.asp

Thanks!
Don

==========

DSE Software Solutions
Phone: (978) 297-4445
Email: don.shaw@dseinc.com
General: information@dseinc.com
Support: techsupport@dseinc.com
Web: http://www.dseinc.com

==========

----- Original Message -----
From: Fireshield Inc
To: Don Shaw
Sent: Monday, March 28, 2005 2:26 PM
Subject: Re: Project status update...

Don,

Im having my brother in law do some research for me right now to find a good pda and accessories and see what programming is possible. Im not sure how involved he wants to get beyond that. I'll get back with you when I know more. Thanks for checking in.

Andrew

----- Original Message -----
From: Don Shaw
To: Fireshield Inc
Sent: Monday, March 28, 2005 8:58 AM
Subject: Project status update...

BRYCER
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Hi Andrew,

I sent you a reply to your project inquiry a little over a week ago, and I still have not heard any response from you.

Could you please update me on the status of your project when you have a free minute or two. I'll be looking forward to hearing from you soon.

Thanks Again!
Don Shaw

==========

DSE Software Solutions
Phone: (978) 297-4445
Email: don.shaw@dseinc.com
General: information@dseinc.com
Support: techsupport@dseinc.com
Web: http://www.dseinc.com

==========

EXHIBIT D

Andrew Moren

From: sales@godaddy.com
Sent: Friday, April 08, 2005 9:40 AM
To: fireshield@centurytel.net
Subject: GoDaddy.com Order Confirmation

ORDER CONFIRMATION from GODADDY.COM



Friday, April 08, 2005 9:39:46 AM

Dear Andrew Moren,

Thank you for ordering from GoDaddy.com! This email contains important information regarding your recent purchase — please save it for reference.

.....

CUSTOMER NUMBER: 4525863
LOGIN NAME: 4525863
RECEIPT NUMBER: 24097887
ORDER TOTAL: $138.80
CUSTOMER SERVICE: 480-505-8877

.....

QTY	ITEM	PRICE
1	.ORG Domain Name Registration - 1 Year NRFH.ORG	$9.20
1	.ORG Domain Name Registration - 1 Year NFHD.ORG	$9.20
1	.ORG Domain Name Registration - 1 Year NDFH.ORG	$9.20
1	.ORG Domain Name Registration - 1 Year IRFH.ORG	$9.20
1	.ORG Domain Name Registration - 1 Year IDFH.ORG	$9.20
1	.COM Domain Name Registration - 1 Year HYDRANTREGISTRY.COM	$9.20
1	.ORG Domain Name Registration - 1 Year HYDRANTREGISTRY.ORG	$9.20
1	.COM Domain Name Registration - 1 Year HYDRANTDATABASE.COM	$9.20
1	.ORG Domain Name Registration - 1 Year HYDRANTDATABASE.ORG	$9.20
1	.COM Domain Name Registration - 1 Year HYDRANTMAINTENANCE.COM	$9.20

Helpful Hints and Next Steps

$3.99* Domains Savings
Get a 1-year new domain name, transfer or renewal for only $3.99* with **each and every** new non-domain product you buy.
Learn more

Hosting & Servers
Need Web site hosting? We have plans starting at just $3.95/mo.
Learn more

Web Site Builder
Click and build your own Web site in minutes with WebSite Tonight®. From only $2.95/mo.
Learn more

How Do I...?

- Register more domain names?
- Transfer domain names to Go Daddy?
- Manage a registered domain name?
- Reset my password if I've forgotten it?
- Renew domain names?
- Make a domain name private?
- Set up my hosting account?
- Set up my dedicated or virtual dedicated server?
- Creating my email account?
- Forward a domain name?
- Drive web traffic using Traffic Blazer®?

BRYCER
Exhibit 1002
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1	.COM Domain Name Registration - 1 Year HYDRANTTEST.COM	$9.20
1	.COM Domain Name Registration - 1 Year HYDRANTTESTING.COM	$9.20
1	.COM Domain Name Registration - 1 Year HYDRANTCARE.COM	$9.20
1	.COM Domain Name Registration - 1 Year HYDRANTCOMPANY.COM	$9.20
1	.COM Domain Name Registration - 1 Year THEHYDRANTCOMPANY.COM	$9.20

Subtotal: $138.00
Shipping & Handling: $0.00
Tax: $0.00
Total: $138.00

Legal Agreements you agreed to with this purchase:
Domain Registration Agreement: here

> Review Your Order Status
> Product or Service Setup Questions
> Manage your Products and Services
> View our Legal Agreements

Download your free print-quality guide, *Making the Internet Work for You* here.

Adobe® Reader® is needed to view this guide. To download it click here.

If you have any questions about this order or the products/services you've purchased, please feel free to:

- Contact Customer Support at 480-505-8877
- Email us at support@godaddy.com
- Click on any of the links above for further information.

Sincerely,
GoDaddy.com

P.S. We're constantly developing new products and enhancing our services. If you demand the latest and the best, check our "What's New" page often!

» Learn more about any other topic?

*Plus ICANN fee of 25 cents per domain name year. Some limitations apply.

© 2005 Go Daddy Software, Inc. All rights reserved.

EXHIBIT E

Andrew Moren

From: sales@godaddy.com
Sent: Friday, April 08, 2005 10:35 AM
To: fireshield@centurytel.net
Subject: GoDaddy.com Order Confirmation

ORDER CONFIRMATION from GODADDY.COM



Friday, April 08, 2005 10:34:26 AM

Dear Andrew Moren,

Thank you for ordering from GoDaddy.com! This email contains important information regarding your recent purchase — please save it for reference.

.....

CUSTOMER NUMBER: 4525863
LOGIN NAME: 4525863
RECEIPT NUMBER: 24098752
ORDER TOTAL: $105.47
CUSTOMER SERVICE: 480-505-8877

.....

QTY	ITEM	PRICE
12	Deluxe Hosting with ASP	$95.52
1	Economy Email (25 MB/1 Box)	$9.95

Subtotal: $105.47
Shipping & Handling: $0.00
Tax: $0.00
Total: $105.47

Legal Agreements you agreed to with this purchase:
Hosting Service Agreement: here
Webmail EULA: here

.....

> Review Your Order Status
> Product or Service Setup Questions

Helpful Hints and Next Steps

$3.99* Domains Savings
Get a 1-year new domain name, transfer or renewal for only $3.99* with **each and every** new non-domain product you buy.
Learn more

Hosting & Servers
Need Web site hosting? We have plans starting at just $3.95/mo.
Learn more

Web Site Builder
Click and build your own Web site in minutes with WebSite Tonight®. From only $2.95/mo.
Learn more

How Do I...?
- Register more domain names?
- Transfer domain names to Go Daddy?
- Manage a registered domain name?
- Reset my password if I've forgotten it?
- Renew domain names?
- Make a domain name private?
- Set up my hosting account?
- Set up my dedicated or virtual dedicated server?
- Creating my email account?
- Forward a domain name?
- Drive web traffic using Traffic Blazer®?

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> Manage your Products and Services
> View our Legal Agreements

Download your free print-quality guide, *Making the Internet Work for You* here.

Adobe® Reader® is needed to view this guide. To download it click here.

If you have any questions about this order or the products/services you've purchased, please feel free to:

- Contact Customer Support at 480-505-8877
- Email us at support@godaddy.com
- Click on any of the links above for further information.

Sincerely,
GoDaddy.com

P.S. We're constantly developing new products and enhancing our services. If you demand the latest and the best, check our "What's New" page often!

» Learn more about any other topic?

*Plus ICANN fee of 25 cents per domain name year. Some limitations apply.

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EXHIBIT F

Andrew Moren

From: mikefick <mikefick@sbcglobal.net>
Sent: Saturday, July 09, 2005 5:43 AM
To: fireshield@centurytel.net
Subject: RE: Tablet PC Sales

Andrew,

My name is Michael Fick. I am the sales rep for the western US, out of Dallas, TX.
I am responding to your request for pricing for our rugged table computer.

The MRT is a military spec computer and is not what you need. For the ultimate of extreme ruggedability, you would want the XRT. The RT is also a very rugged computer, just below the XRT, but its IP ratings, still exceed any of our competitors on the market.

In looking at our product, you can typically expect a higher delta over all other tablets in the market because of our ruggedness and assembly process. So, as you are looking at our products, one always has two prerequisites:

1. They want a rugged computer to be used in harsh environments, in variable weather and temperatures, and exposed to frequent dust and/or moisture.
2. The application is designed specifically for Tablet use.

I would like to speak to you and understand more about your project, the software being used, and how and where the unit will be used for the project. That will help me understand more clearly, which product to recommend and how to configure the product with peripherals and accessories that you have requested. List pricing our products start @ about $3,200 to $4,900 for the base unit. Volume discounts apply as well.

I didn't see a contact number in your signature, so if you would like to call me on Monday to discuss, my contact numbers are listed below. I will be leaving for the Pacific NW Monday afternoon, and will be traveling the remainder of the week. I also have a conference call on Monday between. 9:00am and 10:00am, Pacific time.

Look forward to hearing from you.

Michael Fick
972-772-9210 Office
972-772-9213 Fax
214-763-9510

mikefick@walkabout-comp.com
www.walkabout-comp.com

From: Info@WalkAbout-Comp.Com [mailto:info@walkabout-comp.com]
Sent: Friday, July 08, 2005 11:56 AM
To: Michael Fick
Subject: Fw: Tablet PC Sales

----- Original Message -----
From: Fireshield Inc
To: Info@WalkAbout-Comp.Com

BRYCER
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Sent: Friday, July 08, 2005 11:20 AM
Subject: Re: Tablet PC Sales

Tacoma, Washington U.S.A.

----- Original Message -----
From: Info@WalkAbout-Comp.Com
To: Fireshield Inc
Sent: Friday, July 08, 2005 4:46 AM
Subject: Re: Tablet PC Sales

Thank you for your interest in DRS Tactical Systems Inc., WPB, WalkAbout Computers. One of our Regional Sales reps would be happy to provide the information you need to make an informed decision. Please reply back with your city/state or country so that I can forward your request to the proper territory.

Best Regards,

----- Original Message -----
From: Fireshield Inc
To: info@walkabout-comp.com
Sent: Thursday, July 07, 2005 7:50 PM
Subject: Tablet PC Sales

Hi. Im looking for a business solution for my field crews and need to buy several tablet pc units.

I need a rugged tablet pc that has Bluetooth, GPS, and digital camera capabilities. It looked like the MRT model might be best suited for me.

What's the price of this model?
Do you have any other suggestions for models and what prices are they?

Please email me with any questions.

Thanks,
Andrew Moren

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EXHIBIT G

Andrew Moren

From: paul mazurek <fezfunhouse@yahoo.com>
Sent: Friday, February 17, 2006 9:32 AM
To: HYDRANT WORKS
Subject: Jayd new timesheets

please send jayd's checks to :

2707 Delaware St SE
Minneapolis, MN 55414

DATE	HOURS WORKED	WORK DONE
01/23/06	2:00	• Installed software, restored from backups, etc.
01/24/06	2:00	• Configured DB and edited code of several projects for tighter security
01/25/06	2:00	• Started InsertInspectorInformation
01/26/06	2:00	• Finished InsertInspectorInformation
01/27/06	2:00	• Started EditInspectorInformation
01/28/06	5:00	• Finished EditInspectorInformation

HTML Attachment [Download File | Save to Yahoo! Briefcase]

DATE	HOURS WORKED	WORK DONE
01/30/06	2:00	• Wrote ViewInspectorInformation
01/31/06	2:00	• Wrote ViewServiceRecord
02/01/06	2:00	• Wrote ViewHydrantCondition
02/02/06	2:00	• Wrote ViewTesting
02/03/06	2:00	• Started ViewInspection
02/04/06	5:00	• Finished ViewInspection

BRYCER
Exhibit 1002
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EXHIBIT H

Andrew Moren

From: paul mazurek <fezfunhouse@yahoo.com>
Sent: Friday, March 10, 2006 3:06 PM
To: HYDRANT WORKS
Subject: Jayd new timesheets

Yahoo! Mail
Bring photos to life! New PhotoMail makes sharing a breeze.
HTML Attachment [Download File | Save to Yahoo! Briefcase]

DATE	HOURS WORKED	WORK DONE
02/13/06	2:00	• designed ViewHydrants
02/14/06	2:00	• completed ViewHydrants
02/15/06	2:00	• added other pages (View/Edit location, description, etc.) to ViewHydrants
02/16/06	2:00	• added other pages (View/Edit location, description, etc.) to ViewHydrants
02/17/06	2:00	• added other pages (View/Edit location, description, etc.) to ViewHydrants
02/18/06	5:00	• Designed DB tables for revision lists • wrote ViewRevisions

HTML Attachment [Download File | Save to Yahoo! Briefcase]

DATE	HOURS WORKED	WORK DONE
02/20/06	2:00	• added ViewRevisions page to ViewHydrants
02/21/06	2:00	• Created ViewHydrantRev (ViewHydrant page with new revision system)
02/22/06	2:00	• implemented new editing system (saves revision versions) into ViewHydrantRev pages
02/23/06	2:00	• implemented new editing system (saves revision versions) into ViewHydrantRev pages
02/24/06	2:00	• implemented new editing system (saves revision versions) into ViewHydrantRev pages
02/25/06	5:00	• researched Windows Mobile development

HTML Attachment [Download File | Save to Yahoo! Briefcase]

BRYCER
Exhibit 1002
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DATE	HOURS WORKED	WORK DONE
02/27/06	2:00	• fixed bugs in ViewHydrantRev
02/28/06	2:00	• began SearchHydrant • fixed bug in viewing images
03/01/06	2:00	• continued SearchHydrant
03/01/06	2:00	• continued SearchHydrant
03/02/06	2:00	• finished SearchHydrant
03/03/06	5:00	• experimented with Windows Mobile file I/O • designed file formats, etc.

BRYCER
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EXHIBIT I

NON-DISCLOSURE AGREEMENT

This NON-DISCLOSURE AGREEMENT (Hereinafter "Agreement") is entered into on JUNE 14TH, 2006 between:
LARRY CRABTREE
(Hereinafter "Recipient").

AND FIRESHIELD INC
Represented by Fireshield Inc. officers Andrew Moren and Robert Moren.
(Hereinafter "Disclosing Party").

I. RECITALS

A. Disclosing Party will disclose to Recipient certain important, confidential, trade secret and proprietary information (hereinafter collectively "Confidential Information") pertaining to Disclosing Party's activities. Confidential Information includes information or material that has or could have commercial value or other utility in

B. Recipient wishes to receive Confidential Information in the course of consideration for employment or business relationship. For purposes of this Agreement, the term "Recipient" shall include the Recipient, the company he or she represents, and all affiliates, subsidiaries and related companies of the Recipient, including Recipient's

C. Disclosing Party is willing to disclose Confidential Information, and Recipient is willing to receive Confidential

THEREFORE, Disclosing Party and Recipient agree to enter into a confidential relationship with respect to the disclosure by Disclosing Party to Recipient of certain information, as follows:

1. That the disclosure of Confidential Information by Disclosing Party is in strictest confidence and thus Recipient

a. Not disclose to any other person the Confidential Information and use at least the same degree of care to maintain Confidential Information secret as Recipient uses in maintaining as secret its own secret information, but

b. Use Confidential Information only for the above purpose;

c. Restrict disclosure of Confidential Information solely to those employees of Recipient having a need to know such Confidential Information in order to accomplish the purpose stated above;

d. Advise each such employee, before he or she receives access to Confidential Information, of the obligations of Recipient under this Agreement, and require each such employee to maintain those obligations;

e. Return to Disclosing Party all documentation, copies, notes, diagrams, computer memory media and other tangible materials containing any portion of Confidential Information, or confirm to Disclosing Party, in writing, the

f. Immediately upon sale of Recipient or merger of Recipient with a third party, return to Disclosing Party all documentation, copies, notes, diagrams, computer memory media and other tangible materials containing any

2. Neither the holding of discussions nor the exchange of material or information shall be construed as an obligation of Disclosing Party to enter into any other agreement with Recipient or prohibit Disclosing Party from providing the same or similar information to other parties and entering into agreements with other parties. Disclosing Party reserves the right, in its sole discretion to reject any and all proposals made by Recipient with

3. Recipient understands and acknowledges that any disclosure or misappropriation of any of the Confidential Information in violation of this Agreement may cause Disclosing Party irreparable harm, the amount of which may be difficult to ascertain, and therefore agrees that the Disclosing Party shall have the right to apply to a court of competent jurisdiction for specific performance and/or an order restraining and enjoining any such further disclosure or breach and for such other relief as Disclosing Party shall deem appropriate. Such right of Disclosing

4. The Confidential Information shall remain the sole property of Disclosing Party.

LDC 6/15/06

5. Disclosing Party does not make any representation with respect to and does not warrant any information provided under this agreement, but shall furnish such in good faith. Without restricting the generality of the foregoing, disclosing party does not make any representations or warranties, whether written or oral, statutory, express or implied with respect to the information which may be provided hereunder, including without limitation,

6. In the event of a breach or threatened breach or intended breach of this Agreement by Recipient, Disclosing Party, in addition to any other rights and remedies available to it at law or in equity, shall be entitled to preliminary

7. The obligations of Recipient herein shall remain effective for 10 years from the date Disclosing Party last discloses any Confidential Information to Recipient pursuant to this Agreement. Further, the obligation not to disclose shall not be affected by bankruptcy, receivership, assignment, attachment or seizure procedures, whether initiated by or against the Recipient, nor by the rejection of any agreement between Disclosing Party and

8. The validity, construction, and performance of this Agreement are governed with the laws of the United States and the State of and the Recipient consents to the exclusive jurisdiction of the state courts and U.S. federal courts located there for any dispute arising out of this Agreement. The Recipient agrees that in the event of any breach or threatened breach by the Recipient, the Disclosing Party shall be entitled to preliminary and final injunctions

9. The rights and obligations of the parties under this Agreement may not be sold, assigned or otherwise

10. If any arbitration, litigation or other legal proceeding relating to this Agreement occurs, the prevailing party shall be entitled to recover from the other party (in addition to any other relief awarded or granted) its reasonable

11. In the event that Recipient is required in a civil, criminal or regulatory proceeding to disclose any part of Confidential Information, Recipient will give to Disclosing Party prompt written notice of such request so Disclosing Party may seek an appropriate remedy or alternatively to waive Recipient's compliance with the

12. If the Recipient loses or makes unauthorized disclosure of any of Confidential Information, the Recipient will immediately notify Disclosing Party and take all reasonable steps necessary to retrieve the lost or improperly

This Agreement is binding upon Disclosing Party and Recipient, and upon the directors, officers, employees and agents of each. Recipient's obligations of confidentiality and restrictions on use of the Confidential Information

IN WITNESS WHEREOF and have duly affixed their signatures under hand and seal this June 14th, 2006.

Disclosing Party: FIRESHIELD INC
Andrew Moren
Signature:
Print Name:

Robert Moren
Signature:
Print Name:

Recipient: Larry Crabtree

Signature:
Print Name: LARRY D. CRABTREE 6/15/06

D. Ann Crabtree
D. Ann Crabtree
6/15/06

Electronic Acknowledgement Receipt

EFS ID:	39459030
Application Number:	12011202
International Application Number:	
Confirmation Number:	7547
Title of Invention:	Systems and methods for a web based inspection compliance registry and communication tool
First Named Inventor/Applicant Name:	Andrew Moren
Customer Number:	16579
Filer:	Richard Thomas Black/Kristine Springer
Filer Authorized By:	Richard Thomas Black
Attorney Docket Number:	220867-1000-100
Receipt Date:	15-MAY-2020
Filing Date:	23-JAN-2008
Time Stamp:	19:33:31
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	Affidavit-Rule 131-pre-AIA (FTI) ONLY	FINALEXECUTEDDEC_wEXHIBITS1.pdf	3739026 dc09fd2c48afb614c22d3525abfe760c99ede67b	no	31

Warnings:

Information:	
Total Files Size (in bytes):	3739026

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

UNITED STATES PATENT AND TRADEMARK OFFICE

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/011,202	01/23/2008	Andrew Moren	220867-1000-100	7547

16579 7590 08/03/2020

Foster Garvey PC
1111 Third Avenue, Suite 3000
Seattle, WA 98101-3296

EXAMINER	
PRATT, EHRIN LARMONT	

ART UNIT	PAPER NUMBER
3629	

NOTIFICATION DATE	DELIVERY MODE
08/03/2020	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):

kristine.springer@foster.com
patents@foster.com

Office Action Summary	Application No. 12/011,202	Applicant(s) Moren et al.	
	Examiner EHRIN PRATT	Art Unit 3629	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 30 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) 1-6,8,21-25 and 27-30 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) 1-6,8,21-25 and 27-30 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

This communication is a Final Office Action on the merits in response to communications received on 4/30/2020. Claims 1, 4, 5, and 21 have been amended. Therefore, Claims 1-6, 8, 21-25, and 27-30 are pending and have been addressed below. The present application is being examined under the pre-AIA first to invent provisions.

Claim Rejections - 35 USC § 101

1. 35 U.S.C. 101 reads as follows:

> Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

2. **Claims 1-6, 8, 21-25, 27-30 are rejected under 35 U.S.C. 101 because the claimed invention is directed to an abstract idea without significantly more.**

3. Under Step 1 of the two-part analysis from Alice Corp, claims 1, 5, and 21 are directed to a process (an act or series of acts or steps). Thus, each of the claims falls within one of the four statutory categories.

4. Under Step 2A – Prong One of the two-part analysis from Alice Corp, the claimed invention is directed to an abstract idea.

5. **Claim 1 which is representative of claims 5 and 21 recites:**

"*granting remote access to at least three classes of user, wherein the three classes of user comprise: (1) an owner of an asset (2) an approval authority (3) an inspector", "wherein an inspector, upon accessing, can review and update information, including location", "receiving information that one of the qualified inspectors supplies, the*

information garnered by performing the required inspection", "wherein the approval authority may update and review the status of the assets", "wherein the owner of the asset, upon accessing may update and review the status of the assets assigned to the owner","after the inspection is approved by the approving authority, completing a monetary transaction between the asset owner and the inspector."

The limitations as drafted under their broadest reasonable interpretation fall within the "certain methods of organizing human activity" grouping of abstract ideas because the series of steps allows users to access and update inspection information relative to assets that are due for inspection and completing a monetary transaction between the asset owner and the inspector. The claimed concept encompasses commercial interactions or legal interactions (including agreements in the form of contract, marketing or sales activities or behaviors, business relations), managing personal behavior or relationships or interactions between people (including, social activities, teaching, and following rules or instructions). As such these steps as recited in the claims are an abstract idea.

Under Step 2A – Prong Two of the two-part analysis from Alice Corp, this judicial exception is not integrated into a practical application because the additional elements of: *"a computer-based system", "web-based registry", "a database", "a server through an internet portal"* – see claim 1, *"a compliance registry system", "a web portal"* – see claim 5, "*a web-based registry system*" – see claim 21 are adding the words "apply it" with the judicial exception or merely uses a computer as a tool to perform the abstract idea. **See MPEP 2106.05 (f)**

The other additional elements of: "*retrieving, by a computer-based system, real time records of assets from a database, the database being remotely accessible and augmentable by each of the at least three classes of user", "analyzing the records of assets from the database to determine whether an asset requires inspection", "automatically creating an inspection list, based upon the analysis of records of assets from the database, wherein the inspection list includes each asset due for inspection and each asset within a designatable interval of being due for inspection", "for each asset on the inspection list, retrieving a list of qualified inspectors according to designatable attributes including proximity to the asset", "for each asset on the inspection list, generating a notice notifying the approval authority of the status of the assets assigned to the approval authority", "for each asset on the inspection list, generating a notice notifying an owner of the asset of an impending deadline for the inspection such notice to include the list of qualified inspectors for the asset, a description of the type of inspection, and a cost associated with the type of inspection," "retrieving, by a computer-based system, a report template configured to the asset, compiling a report based upon the information the inspector supplies", "transmitting, by a computer-based system, the completed inspection report, based on the report template and the information garnered by performing the inspection, to the approving authority", "transmitting, from the approving authority, by the web-based registry, a notice to the owner of the asset, the notice to include a report of the received information and where the received information includes a noted deficiency", "automatically augmenting at the database, the records relative to the asset to reflect the information the inspector supplies when the inspection is approved by the approving*

authority" add insignificant extra solution activity to the judicial exception such as mere data gathering and data transmitting. See MPEP 2106.05(g)

The other additional element of: *"a computer-implemented method for using a web registry to track a requisite inspection of an owned asset"* generally links the use of the judicial exception to a particular technological environment or field of use. See MPEP 2106.05 (h)

Thus, the additional claim elements are not indicative of integration into a practical application, because the claims do not involve improvements to the functioning of a computer, or to any other technology or technical field (MPEP 2106.05(a)), the claims do not apply or use the abstract idea to effect a particular treatment or prophylaxis for a disease or medical condition (Vanda Memo), the claims do not apply the abstract idea with, or by use of, a particular machine (MPEP 2106.05(b)), the claims do not effect a transformation or reduction of a particular article to a different state or thing (MPEP 2106.05(c)), and the claims do not apply or use the abstract idea in some other meaningful way beyond generally linking the use of the abstract idea to a particular technological environment, such that the claim as a whole is more than a drafting effort designed to monopolize the exception (MPEP 2106.05(e) and Vanda Memo). Therefore, the claims do not, for example, purport to improve the functioning of a computer. Nor do they effect an improvement in any other technology or technical field.

Accordingly, the additional elements do not impose any meaningful limits on practicing the abstract idea and the claims are directed to an abstract idea. The claims

do not include additional elements that, when analyzed individually and in combination, are sufficient to amount to significantly more than the judicial exception.

6. As discussed above with respect to integration of the abstract idea into a practical application, the additional elements of: *"a computer-based system", "web-based registry", "a database", "a server through an internet portal"* – see claim 1, *"a compliance registry system", "a web portal"* – see claim 5, "*a web-based registry system*" merely uses a computer as a tool to perform the abstract idea. Mere instructions to apply an exception cannot provide an inventive concept.

The other additional element of: "*retrieving, by a computer-based system, real time records of assets from a database, the database being remotely accessible and augmentable by each of the at least three classes of user", "analyzing the records of assets from the database to determine whether an asset requires inspection", "automatically creating an inspection list, based upon the analysis of records of assets from the database, wherein the inspection list includes each asset due for inspection and each asset within a designatable interval of being due for inspection", "for each asset on the inspection list, retrieving a list of qualified inspectors according to designatable attributes including proximity to the asset", "for each asset on the inspection list, generating a notice notifying the approval authority of the status of the assets assigned to the approval authority", "for each asset on the inspection list, generating a notice notifying an owner of the asset of an impending deadline for the inspection such notice to include the list of qualified inspectors for the asset, a description of the type of inspection, and a cost associated with the type of inspection," "retrieving, by a computer-based system, a report template configured to the asset,*

compiling a report based upon the information the inspector supplies", "transmitting, by a computer-based system, the completed inspection report, based on the report template and the information garnered by performing the inspection, to the approving authority", "transmitting, from the approving authority, by the web-based registry, a notice to the owner of the asset, the notice to include a report of the received information and where the received information includes a noted deficiency", "automatically augmenting at the database, the records relative to the asset to reflect the information the inspector supplies when the inspection is approved by the approving authority" were considered to be extra-solution activity in Step 2A, and thus are re-evaluated in Step 2B to determine if it is more than what is well-understood, routine, conventional activity in the field.

The Symantec, TLI, and OIP Techs court decisions cited in MPEP 2106.05(d)(II) have recognized that "receiving or transmitting data over a network, e.g., using the Internet to gather data" and "storing and retrieving information in memory" are well understood, routine, and conventional functions when claimed in a generic manner. The Alice and Ultramercial court decisions cited in MPEP 2106.05(d)(II) have recognized that electronic recordkeeping and updating an activity log are well understood, routine, and conventional functions when claimed in a generic manner. Accordingly, the conclusion that the retrieving, analyzing, creating, retrieving, generating, transmitting, and augmenting steps are well-understood, routine, conventional activity supported under Berkheimer Option 2. Thus, at Step 2B the claims are ineligible.

7. Claims 2-4, 6, 8, 22-25, and 27-30 are dependent of claims 1, 5, and 21 therefore they include all the limitations of claim 1. Therefore, claims 2-4, 6, 8, 22-25, and 27-30

narrow the same abstract idea recited in claims 1, 5, and 21. The dependent claims recite additional limitations that further describe the abstract idea and additional limitations that are no more than mere instructions to apply the exception using a generic computer components. Accordingly, these additional elements does not provide an inventive concept or integrate the abstract idea into a practical application because they do not impose any meaningful limits on practicing the abstract idea.

Response to Arguments

Applicant's arguments filed 4/30/2020 have been fully considered but they are not persuasive.

With Respect to Rejections Under 35 USC 101

Applicant argues "*In reference to Step 2A, the Office Action, at pages 3-4, calls out specific limitations, removed from the other limitations in the claim, and one by one tosses the individual limitations aside based on various legal theories. Under this level of dissection, any claim would fail to integrate a purported judicial exception into a practical application. After all, there can be no practical application of individual components analyzed in a vacuum. The October guidance warned of this approach.*" "*When properly considered, amended claim 1 recites a highly specific method, beyond anything that was available at the time of priority, for using a web registry to track, identify, implement, record, and pay for a requisite inspection of an owned asset. Claim 1 lays out the method in exceptional detail. Claim 1 as a whole recites a turnkey method*

for a connected automated or semi-automated compliance monitoring system that provides remote access to each stake holder in the compliance triangle." **The Examiner respectfully disagrees**.

The Examiner has properly analyzed the claim limitations with respect to the abstract idea groupings under Prong One of the Guidance, as the Examiner has identified the specific limitations in the claim that fall within the subject matter groupings of abstract ideas enumerated in the Guidance. Additionally, the Examiner has determined the claims are not integrated into a practical application under Prong Two of Step 2A of the Guidance. The specificity of the presently recited techniques relied on by Applicant is insufficient to establish patent eligibility. As discussed in MPEP 2106.05 (I), specifically, lack of novelty under 35 U.S.C. 102 or obviousness under 35 U.S.C. 103 of a claimed invention does not necessarily indicate that additional elements are well-understood, routine, conventional elements. Because they are separate and distinct requirements from eligibility, patentability of the claimed invention under 35 U.S.C. 102 and 103 with respect to the prior art is neither required for, nor a guarantee of, patent eligibility under 35 U.S.C. 101. For these reasons, the rejection under the 101 analysis are being maintained.

Applicant further argues "*At page 4-5, Examiner states that the following elements, together making up the majority of the claimed invention, are nothing more than extra solution activity*" "*This conclusion throws the baby out with the bathwater. MPEP states, "[t]he term "extra-solution activity" can be understood as activities incidental to the primary process or product that are merely a nominal or tangential addition to the*

claim." MPEP 21.05(g). The method steps identified by Examiner are not simple post solution activity, nor are they "merely a nominal or tangential" addition to the claim. In fact, it is unclear from the Office Action what the "solution" even is that these elements are "extra" to. These limitations are an integral part of the claimed improved turnkey method for a connected automated or semi-automated compliance monitoring system that provides remote access to each stake holder in the compliance triangle. Further, these limitations are far from the "apply it" type. Instead, they more specifically claim the meats-and-bounds of the invention, describe the requirements of each step, who performs them, and the impact one step has on another. Amended claim 1 adds even more detail, none of which is "extra" and instead employs any alleged abstract idea. Applicant respectfully suggests that the prior analysis failed to consider the claims as a whole, and in doing so, was able to make a conclusory finding that claim 1 is not integrated into a practical application. The amendments to claim 1 add even more detail to the method, and further describe the requirements of the practical application of the invention." **The Examiner respectfully disagrees**.

As previously explained, the specificity of the presently recited techniques relied on by Applicant is insufficient to establish patent eligibility. The Examiner asserts that the Applicant merely highlights discussion points from MPEP 2105.06 (g), but does not explain how the discussion points are applied to the claimed invention. Claim 1 now recites "*retrieving, by a computer-based system, real time records of assets from a database, the database being remotely accessible and augmentable by each of the at least three classes of user", "analyzing the records of assets from the database to determine whether an asset requires inspection", "automatically creating an inspection*

list, based upon the analysis of records of assets from the database, wherein the inspection list includes each asset due for inspection and each asset within a designatable interval of being due for inspection", "for each asset on the inspection list, retrieving a list of qualified inspectors according to designatable attributes including proximity to the asset", "for each asset on the inspection list, generating a notice notifying the approval authority of the status of the assets assigned to the approval authority", "for each asset on the inspection list, generating a notice notifying an owner of the asset of an impending deadline for the inspection such notice to include the list of qualified inspectors for the asset, a description of the type of inspection, and a cost associated with the type of inspection," "retrieving, by a computer-based system, a report template configured to the asset, compiling a report based upon the information the inspector supplies", "transmitting, by a computer-based system, the completed inspection report, based on the report template and the information garnered by performing the inspection, to the approving authority", "transmitting, from the approving authority, by the web-based registry, a notice to the owner of the asset, the notice to include a report of the received information and where the received information includes a noted deficiency", "automatically augmenting at the database, the records relative to the asset to reflect the information the inspector supplies when the inspection is approved by the approving authority". These limitations generally recite the gathering, transmitting, and storage of the necessary data for carrying out the recited commercial interactions and transactions between people in the inspection process. As discussed in MPEP 2106.05 (g), such data gathering, transmitting, and storage is a form of extra-

solution activity as noted in the present rejection are not indicative of integration into a practical application.

Applicant further argues "*Consideration of improvements is relevant to the integration analysis regardless of the technology of the claimed invention. That is, the consideration applies equally whether it is a computer implemented invention, an invention in the life sciences, or any other technology." October Eligibility Guidance at 13. The specification clearly lays out, and the claims follow, the technical improvement offered by the present invention. Such improved method of record keeping will improve a city's ISO (insurance) rating which will save money in insurance premiums for local businesses and homes. Further, the web based compliance registry is advantageous to improve the process of inspections and in many cases introduce a new ability to enforce inspections. Further, the claimed method provides an easier way for authorities to charge for their review time and a way to confirm inspection companies are licensed to work in their city*." **The Examiner respectfully disagrees**.

The Examiner asserts the type of improvement identified by the Guidance is an improvement to the functioning of a computer, or to any other technology or technical field. MPEP 2106.05 (a)(I) cites: accelerating a process of analyzing audit log data when the increased speed comes solely from the capabilities of a general-purpose computer, FairWarning IP, LLC v. Iatric Sys., 839 F.3d 1089, 1095, 120 USPQ2d 1293, 1296 (Fed. Cir. 2016) and mere automation of manual processes, such as using a generic computer to process an application for financing a purchase, Credit Acceptance Corp. v. Westlake Services, 859 F.3d 1044, 1055, 123 USPQ2d 1100, 1108-09 (Fed.

Cir. 2017) or speeding up a loan-application process by enabling borrowers to avoid physically going to or calling each lender and filling out a loan application, LendingTree, LLC v. Zillow, Inc., 656 Fed. App'x 991, 996-97 (Fed. Cir. 2016) (non-precedential) are examples the courts have indicated may not be sufficient to show an improvement in computer functionality. Additionally, MPEP 2106.05 (a)(II) cites a commonplace business method being applied on a general purpose computer, Alice Corp., 573 U.S. at 223, 110 USPQ2d at 1976; Versata Dev. Group, Inc. v. SAP Am., Inc., 793 F.3d 1306, 1334, 115 USPQ2d 1681, 1701 (Fed. Cir. 2015) as an example that the courts have indicated may not be sufficient to show an improvement to technology. The improvement alleged by Applicant is an improvement to the commercial practice of managing inspection data, and not to any technology or technical field. As such for these reasons the Examiner finds the additional limitations of claim 1 either individually or as an ordered combination are insufficient to integrate the judicial exception into a practical application.

Applicant further argues "*Just as in Example 46, as described in Appendix A to the October Eligibility Guidance, claim 1 does not merely link the judicial exception to a technical field, but instead adds a meaningful limitation in that it employs the information provided by the judicial exception (the collection of information) to, (1) determine relevant inspectors based on the asset and location of the asset, (2) initiate an inspection, (3) select a template relevant to the asset, (4) upload the template with completed inspection information, (5) update asset information, and (6) make that information accessible to the relevant parties, thus avoiding the need for the asset owner, or the approval authority, or for example, a fireman searching for a fire hydrant, to evaluate the status of the asset on a continual basis, because the*

status is accessible remotely via the web registry. Additionally, the claim creates a template for the inspection based on the asset, avoiding the need for the inspection authority to manually separate each type of inspection form and thus permit the inspection authority to devote less time to administrative tasks. Thus, claim 1 goes beyond merely automating the abstract ideas and instead actually uses the information obtained via the judicial exception to take corrective action by selecting inspectors, providing a remote and connected portal to upload the inspectors findings in a templated manner, while allowing the other stake holders to review those findings, updating the status of an asset, and paying the inspector. These are "other meaningful limitation" that integrate the judicial exception into the overall compliance management scheme and accordingly practically applies the exception, such that the claim is not directed to the judicial exception. Claim 1 is eligible." **The Examiner respectfully disagrees.**

The Examiner asserts that claim 2 of Example 46 was eligible because limitation (d) did not merely link the judicial exceptions to a technical field, but instead adds a meaningful limitation in that it can employ the information provided by the judicial exception (the mental analysis of whether the animal is exhibiting an aberrant behavioral pattern indicative of grass tetany) to operate the feed dispenser. That is not the case here. For example, the additional elements of *"a computer-based system", "web-based registry", "a database", "a server through an internet portal"* – see claim 1, *"a compliance registry system", "a web portal"* – see claim 5, "*a web-based registry system*" – see claim 21 are no more than mere instructions to apply the judicial exceptions on a computer, and the other additional elements of: "*retrieving, by a computer-based system, real time records of assets from a database, the database being remotely accessible and augmentable by each of the at least three classes of user", "analyzing the records of assets from the database to determine whether an asset requires inspection", "automatically creating an*

inspection list, based upon the analysis of records of assets from the database, wherein the inspection list includes each asset due for inspection and each asset within a designatable interval of being due for inspection", "for each asset on the inspection list, retrieving a list of qualified inspectors according to designatable attributes including proximity to the asset", "for each asset on the inspection list, generating a notice notifying the approval authority of the status of the assets assigned to the approval authority", "for each asset on the inspection list, generating a notice notifying an owner of the asset of an impending deadline for the inspection such notice to include the list of qualified inspectors for the asset, a description of the type of inspection, and a cost associated with the type of inspection," "retrieving, by a computer-based system, a report template configured to the asset, compiling a report based upon the information the inspector supplies", "transmitting, by a computer-based system, the completed inspection report, based on the report template and the information garnered by performing the inspection, to the approving authority", "transmitting, from the approving authority, by the web-based registry, a notice to the owner of the asset, the notice to include a report of the received information and where the received information includes a noted deficiency", "automatically augmenting at the database, the records relative to the asset to reflect the information the inspector supplies when the inspection is approved by the approving authority" are insignificant extra/post solution activity. As previously discussed, even in combination, these additional elements do not change the computers or other technology recited in the claim. Instead, these additional elements automate the activities that an owner, an approval authority, and an inspector perform,

using the computer components as a tool. Thus, these additional elements do not improve computer functionality.

Applicant further argues "*Further, the web based compliance registry is advantageous to improve the process of inspections and in many cases introduce a new ability to enforce inspections. Secondly, the claimed method provides a method to augment the records relative to the asset, according to a defined template, to reflect the information the inspector supplies when the inspection is approved by the approving authority. Thus, the method may enable a particular standard format for collecting asset information, so that all the interested parties can easily access the information. In an aspect, such method provides an easier way for authorities to charge for their review time and a way to confirm inspection companies are licensed to work in their city. In another aspect, such improved method overcomes the disadvantage of using current fire hydrant management software i.e. the limitation of communication within the department and interdepartmentally. Therefore, the claims include limitations that amount to significantly more than "an idea of itself.*" **The Examiner respectfully disagrees**.

The Examiner maintains that the improvements that Applicant alleges here do not correspond to the improvements discussed in MPEP 2106.05 (a). As previously explained the improvement alleged by Applicant is an improvement to the commercial practice of managing inspection data, and not to any technology or technical field. As such for these reasons the Examiner finds the additional limitations of claim 1 either individually or as an ordered combination are insufficient to integrate the judicial

exception into a practical application. The Examiner notes the claim does not reflect features such as a "standard format" or "fire hydrant management software" in the amended claims. For these reasons, the rejections under 101 are being maintained.

Applicant further argues "*Further, similar to automatic lip synchronization and facial expression animation using computer-implemented rules that was found patent eligible under 35 U.S.C. § 101 in McRO, Inc. v. Bandai Namco Games America, claims 1, 5, and 21 are also directed to an improvement in computer-related technology i.e. facilitating tracking a requisite inspection of an owned asset using a web registry and so that the updated information is advantageously viewed by all interested parties, that previously couldn't be achieved.*" **The Examiner respectfully disagrees**.

The Examiner asserts the claims in McRO were directed to the creation of something physical—namely, the display of "lip synchronization and facial expressions" of animated characters on screens for viewing by human eyes. The claimed improvement was to how the physical display operated (to produce better quality images), unlike (what is present here) a claimed improvement in a commercial practice facilitating tracking a requisite inspection of an owned asset with no improved computers and/or displays. For these reasons, the claims are unlike McRO and the rejections under 35 USC 101 are maintained.

With Respect to Rejections Under 35 USC 103

Applicant's arguments, see pgs. 10-15, filed 4/30/2020, with respect to claims 1-6, 8, 21-25, and 27-30 have been fully considered and are persuasive.

Conclusion

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

Annual Hydrant Inspection Procedures - NFPA standards call for all public fire hydrants to be inspected on a regular basis. We perform annual inspections not only for the purpose of complying with the standards, but we need to have a high degree of confidence that all hydrants will perform properly in an emergency.
A number of circumstances can affect a hydrant's performance which includes vandalism, accidental damage, wear and tear, mechanical malfunction and even contractors performing work on water lines who forget to reopen hydrant tap valves. We want to detect any of these problems and correct them prior to the hydrant being needed. [online], 2001, [retrieved on 2020-07-20]. Retrieved from the Internet: http://www.firehydrant.org/info/hinsp1.html, pgs. 1-4

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 EHRIN PRATT whose telephone number is (571)270-3184. The examiner can normally be reached on 8-5 EST Monday-Friday.

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, Lynda Jasmin can be reached on 571-272-6782. 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.

EHRIN PRATT
Examiner
Art Unit 3629

/EHRIN L PRATT/
Examiner, Art Unit 3629

/ANDREW B WHITAKER/
Primary Examiner, Art Unit 3629

Notice of References Cited	Application/Control No. 12/011,202	Applicant(s)/Patent Under Reexamination Moren et al.	
	Examiner EHRIN PRATT	Art Unit 3629	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
	A					
	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	Annual Hydrant Inspection Procedures, [online], 2001, [retrieved on 2020-07-20]. Retrieved from the Internet: http://www.firehydrant.org/info/hinsp1.html, pgs. 1-4 (Year: 2001)
	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
	12/011,202	Moren et al.
	Examiner	Art Unit
	EHRIN PRATT	3629

CPC - Searched*		
Symbol	Date	Examiner
G06Q50/163	10/23/2019	EP

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner
705	313	6/18/12	vc

* 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
searched east	6/18/12	
updated east and npl search see attached	05/05/2014	tlc
Updated EAST Search	02/28/2018	EP
Updated EAST Search	11/15/2018	EP
Updated EAST Search	10/23/2019	EP
Updated EAST Search	07/20/2020	EP

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner
G06Q	50/163	07/28/2020	EP

/EHRIN L PRATT/ Examiner, Art Unit 3629	/ANDREW B WHITAKER/ Primary Examiner, Art Unit 3629

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Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
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✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

CLAIMS

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

CLAIM		DATE								
Final	Original	07/20/2020	06/18/2012	03/22/2013	10/19/2013	12/30/2013	05/05/2014	03/01/2018	11/15/2018	10/25/2019
	1	✓		✓	✓	✓	✓	✓	✓	✓
	2	✓		✓	✓	✓	✓	✓	✓	✓
	3	✓		✓	✓	✓	✓	✓	✓	✓
	4	✓		✓	✓	✓	✓	✓	✓	✓
	5	✓		✓	✓	✓	✓	✓	✓	✓
	6	✓		✓	✓	✓	✓	✓	✓	✓
	7	-		✓	✓	✓	✓	✓	✓	-
	8	✓		✓	✓	✓	✓	✓	✓	✓
	9	N		N	N	N	N	N	N	N
	10	N		N	N	N	N	N	N	N
	11	N		N	N	N	N	N	N	N
	12	N		N	N	N	N	N	N	N
	13	N		N	N	N	N	N	N	N
	14	N		N	N	N	N	N	N	N
	15	N		N	N	N	N	N	N	N
	16	N		N	N	N	N	N	N	N
	17	N		N	N	N	N	N	N	N
	18	N		N	N	N	N	N	N	N
	19	N		N	N	N	N	N	N	N
	20	N		N	N	N	N	N	N	N
	21	✓		✓	✓	✓	✓	✓	✓	✓
	22	✓		✓	✓	✓	✓	✓	✓	✓
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	25	✓		✓	✓	✓	✓	✓	✓	✓
	26	-		✓	✓	✓	✓	✓	✓	-
	27	✓		✓	✓	✓	✓	✓	✓	✓
	28	✓		✓	✓	✓	✓	✓	✓	✓
	29	✓		✓	✓	✓	✓	✓	✓	✓
	30	✓		✓	✓	✓	✓	✓	✓	✓

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EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	0	("20060258292" | "20060123010" | "20040044696" | "20020082937" | "20040139053" | "20040177326" | "20080114638" | "20030171957" | "20050128083" | "20070005273").PN.	USPAT	OR	OFF	2018/02/27 13:34
S2	20	("20060258292" | "20060123010" | "20040044696" | "20020082937" | "20040139053" | "20040177326" | "20080114638" | "20030171957" | "20050128083" | "20070005273").PN.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/27 13:34
S3	6	(charge) WITH (compliance) WITH (asset)	USPAT	OR	OFF	2018/02/27 14:20
S4	594	(compliance) WITH (asset)	USPAT	OR	OFF	2018/02/27 14:21
S5	25	(due) WITH (inspection) AND (compliance) WITH (asset)	USPAT	OR	OFF	2018/02/27 14:22
S6	1	(andrew) NEAR3 (moren).in.	USPAT	OR	OFF	2018/02/27 14:37
S7	4	(robert) NEAR3 (moren).in.	USPAT	OR	OFF	2018/02/27 14:37
S8	0	"20090157521"	USPAT	OR	OFF	2018/02/27 14:38
S9	60	705/314$	USPAT	OR	OFF	2018/02/27 14:38
S10	2	(access$3 gather$3 retriev$3) WITH (approved qualified) NEAR3 (inspector)	USPAT	OR	OFF	2018/02/27 14:51
S11	1	(list$3) WITH (certified approved qualified) NEAR3 (inspector)	USPAT	OR	OFF	2018/02/27 14:52
S12	17	(list$3) WITH (certified approved qualified) NEAR3 (inspector)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/27 14:52
S13	34	(compliance) WITH (owned) WITH (asset)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/27 14:59

S14	25,343	(due deadline) WITH (inspection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/27 15:06
S15	7	(due deadline) WITH (inspection) AND (invoice) WITH (owner)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/27 15:08
S16	109	(due deadline) WITH (inspection) AND (invoice)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/27 15:08
S17	22	("20080084291" | "20120154141" | "8810387" | "9552720" | "9672486" | "9767679").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/27 15:17
S18	21	("20040034684" | "20040262387" | "20050023347" | "20050137829" | "20050211777" | "20060162178" | "20060259392" | "20070044559" | "20080048682" | "20080077512" | "20080084291" | "20080111074" | "20090018859" | "20100088141" | "20100306085" | "20110016319" | "20120109660" | "6421571" | "7565306" | "8315834" | "8358903").PN. OR ("9672486").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/02/27 15:19
S19	229	(marketplace market$place) AND (inspector)	USPAT	OR	OFF	2018/02/28 06:29
S20	13	(marketplace market$place) SAME (inspector)	USPAT	OR	OFF	2018/02/28 06:29
S21	113	(marketplace market$place) AND (inspector) AND (inspection)	USPAT	OR	OFF	2018/02/28 06:31
S22	32	("20020026266" | "20030069648" | "20050190053" | "20070174438" | "20090284348" | "20110117878" | "20110130636" | "20110151829" | "20120218102" | "20120232355" | "20120271370" | "20130012151" | "20130040600" | "20130053063" | "20130252574" | "20140002241" |	US-PGPUB; USPAT; USOCR	OR	OFF	2018/02/28 06:33

		"5960337" | "7048185" | "7091852" | "7171217" | "7177623" | "7289029" | "7607014" | "7793850" | "7922073" | "8095403" | "8185623" | "8300922" | "8314683" | "8350693" | "8401514" | "8526910").PN. OR ("9619767").URPN.				
S23	24	(fire) NEAR3 (department marshall) AND (inspector) AND (inspection)	USPAT	OR	OFF	2018/02/28 06:41
S24	0	"20080114638"	USPAT	OR	OFF	2018/02/28 07:03
S25	21	"20080114638"	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 07:04
S26	73	(fire) NEAR3 (department marshal) AND (inspector) AND (inspection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	OFF	2018/02/28 07:04
S27	49	S26 AND owner	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	OFF	2018/02/28 07:04
S28	4	(fire) NEAR3 (department marshal) AND (list$3) WITH (inspector) AND (inspection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	OFF	2018/02/28 07:07
S29	34	inspector WITH bid	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 07:14
S30	15	("20110099081" | "20020073049" | "20070192229" | "20050251400" | "7146331" | "20100042508").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 07:17
S31	84	candidate WITH inspector	US-PGPUB; USPAT; USOCR;	OR	ON	2018/02/28 07:25

			FPRS; EPO; DERWENT; IBM_TDB			
S32	1,048	(available candidate) WITH (inspector)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 07:25
S33	35	(available candidate) WITH (inspector) SAME (owner)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 07:26
S34	62	(list$3) WITH (available candidate) WITH (inspector)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 07:38
S35	5	(retriev$3 access$3 generat$3) WITH (list$3) WITH (available candidate certified approved compliance) WITH (inspector)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 07:39
S36	73	(list$3) WITH (available candidate certified approved compliance) WITH (inspector)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 07:39
S37	165	(receiv$3 collect$3) WITH (bid) WITH (perform) WITH (inspection service)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 13:31
S38	82	S37 AND (acceptance confirmation selection) WITH (bid)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 13:34
S39	0	(receiv$3 collect$3) WITH (bid offer) WITH (perform) WITH (inspection service) WITH (inspector)	US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	2018/02/28 13:35

			DERWENT; IBM_TDB			
S40	2	(receiv$3 collect$3) WITH (bid offer) WITH (perform) WITH (inspection service) WITH (inspector contractor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 13:35
S41	151	(bid offer) WITH (perform) WITH (inspection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 13:36
S42	8	(select$4) WITH (bid offer) WITH (perform) WITH (inspection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 13:39
S43	8	(select$4) WITH (bid offer) SAME (perform) WITH (inspection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 13:39
S45	23	((bid offer) WITH (perform) WITH (inspection)).ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 14:02
S46	20	((marketplace market$place) SAME (perform) WITH (inspection))	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 14:04
S47	44	((marketplace market$place) SAME (inspector))	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 14:05
S48	223	((bid offer$4) WITH (inspector))	US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	2018/02/28 14:08

			DERWENT; IBM_TDB			
S49	230	((bid offer$4 quote) WITH (complete perform) WITH (inspection))	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 14:12
S50	570	((bid offer$4 quote estimate estimation fee price) WITH (complete perform) WITH (inspection))	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 14:13
S51	33	S50 AND (list$4) WITH (inspector contractor provider)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 14:14
S52	0	((request$4) WITH (bid offer$4 quote estimate estimation fee price) WITH (complete perform) WITH (inspection)) AND (contract agreement) WITH (inspect)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 14:24
S53	25	((request$4 solicit$6) WITH (bid offer$4 quote estimate estimation fee price) WITH (complete perform) WITH (inspection))	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 14:26
S54	15	(due) WITH (inspection) AND (proposal quote) WITH (inspect)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 14:34
S55	26	(qualified certified approved licensed) WITH (inspector) AND (proposal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 14:39
S56	4,488	(request) NEAR3 (proposal)	US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	2018/02/28 15:00

			DERWENT; IBM_TDB			
S57	89	(request) NEAR3 (proposal) AND (inspector)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 15:01
S58	195	(bid) NEAR3 (proposal) SAME (inspector contractor vendor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 15:08
S59	31	(receiv$3 collect$3 gather$3 obtain$3 aggregat$4 compil$5) WITH (bid) NEAR3 (proposal) SAME (inspector contractor vendor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 15:14
S60	8	("20030088534" | "20090049094" | "20090216552").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 15:27
S61	145	(list) WITH (inspectors)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/11/15 07:53
S62	1,356	(G06Q50/163).cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 12:23
S63	212	(G06Q50/163).cpc. AND (fire)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 12:24
S64	143	(G06Q50/163).cpc. AND (fire) AND (owner)	US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	2019/10/23 12:24

			DERWENT; IBM_TDB			
S65	62	(G06Q50/163).cpc. AND (report notification notice alert) NEAR5 (owner)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 12:27
S66	8	(G06Q50/163).cpc. AND (report notification notice alert) NEAR5 (non$compliance deficiency)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 13:29
S67	3,837	(report notification notice alert) NEAR5 (non$compliance deficiency)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 13:48
S68	0	(report notification notice alert) NEAR5 (non$compliance deficiency) NEAR5 (owner) AND (technician inspector) NEAR5 (report)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 13:50
S69	171	(report notification notice alert) SAME (non$compliance deficiency fail failure) AND (building property) NEAR3 (owner) AND (inspector)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 13:52
S70	171	(report notification notice alert) SAME (non$compliance deficiency fail failure) AND (building property) NEAR3 (owner) AND (inspector)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 13:52
S71	83	(report notification notice alert) NEAR5 (non$compliance deficiency fail failure) AND (building property) NEAR3 (owner) AND (inspector)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 13:54
S72	33	(building property business) NEAR3 (owner) AND (fire) NEAR3 (inspector jurisdiction)	US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	2019/10/23 14:12

			DERWENT; IBM_TDB			
S73	12	(fire) NEAR3 (inspector chief marshal official) NEAR5 (report)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 14:18
S74	723	(fire) NEAR3 (inspector chief marshal official) AND (deficiency failure non$compliance non$compliant)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 14:19
S75	40	(fire) NEAR3 (inspector chief marshal official) SAME (deficiency failure non$compliance non$compliant)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 14:19
S76	70	(fire sprinkler alarm) NEAR3 (inspector chief marshal official department) SAME (deficiency failure non$compliance non$compliant) WITH (owner)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 14:24
S77	3	(fire sprinkler alarm hydrant) NEAR3 (inspector chief marshal official department) AND (e$mail notice) WITH (deficiency failure non$compliance non$compliant) WITH (owner)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 14:39
S78	6	(fire sprinkler alarm hydrant) NEAR3 (inspector chief marshal official department) AND (e$mail notice) WITH (deficiency failure non$compliance non$compliant issue defect) WITH (owner)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 14:39
S79	7	(fire sprinkler alarm hydrant saftey building) NEAR3 (inspector chief marshal official department) AND (e$mail notice) WITH (deficiency failure non$compliance non$compliant issue defect) WITH (owner)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 14:41
S80	89	(fire sprinkler alarm hydrant saftey building) NEAR3 (inspector chief marshal official department) AND (e$mail notice notification alert) WITH (deficiency failure non$compliance	US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	2019/10/23 14:41

		non$compliant issue defect) WITH (owner)	DERWENT; IBM_TDB			
S81	60	(fire sprinkler alarm hydrant saftey building) NEAR3 (inspector chief marshal official department) SAME (e$mail notice notification alert) WITH (deficiency failure non$compliance non$compliant issue defect) WITH (owner)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 14:42
S82	1	(fire) NEAR3 (code regulation) SAME (e$mail notice notification alert) WITH (deficiency failure non$compliance non$compliant issue defect) WITH (owner)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 14:48
S83	14	(fire) NEAR3 (code regulation) SAME (e$mail notice notification alert) WITH (deficiency failure non$compliance non$compliant issue defect)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 14:49
S84	15	(fire) NEAR3 (code regulation standard statute) SAME (e$mail notice notification alert) WITH (deficiency failure non$compliance non$compliant issue defect)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 14:49
S85	1,331	(e$mail notice notification alert) WITH (deficiency failure non$compliance non$compliant issue defect) WITH (owner)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 14:53
S86	215	S85 AND @py<="2007"	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 14:55
S87	215	(inspection) WITH (deficiency failure non$compliance non$compliant issue defect) WITH (owner)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 15:05
S88	215	S86 AND @py<="2007"	US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	2019/10/23 15:05

			DERWENT; IBM_TDB			
S89	46	S87 AND @py<="2007"	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 15:06
S90	13	(G06Q50/163).cpc. AND (periodic annual) NEAR5 (inspection audit)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/24 08:02
S91	40	("20010032094" | "20010032135" | "20020035408" | "20020178229" | "20020188845" | "20030055669" | "20030061266" | "20030069716" | "20030074244" | "20030101070" | "20030172087" | "20030177071" | "20040003834" | "20040083165" | "20040128313" | "20040268129" | "20050080702" | "20050149561" | "20050197962" | "20050246213" | "20050273346" | "20060259419" | "20080255871" | "4955405" | "5818737" | "5941034" | "6907304" | "6944770" | "7346519").PN. OR ("7831628").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/07/20 11:10
S92	0	(G06Q50/163).cpc. AND (registry) SAME (owned) NEAR5 (asset equipment).ab,bi,bsum.	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 11:18
S93	38	(registry) SAME (owned) NEAR5 (asset equipment).ab,bi,bsum.	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 11:18
S94	1,750	(real$time) SAME (asset equipment) NEAR5 (database repository registry).ab,bi,bsum.	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 11:22
S95	627	(real$time) SAME (inspection) NEAR5 (asset equipment).ab,bi,bsum.	US-PGPUB; USPAT; USOCR;	OR	ON	2020/07/20 11:24

			FPRS; EPO; DERWENT; IBM_TDB			
S96	23	S95 AND (due dead$line) NEAR5 (inspection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 11:25
S97	273	(due dead$line) NEAR5 (inspection) NEAR5 (equipment asset).ab,bi,bsum.	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 11:27
S98	55	(due dead$line) NEAR5 (inspection) NEAR5 (equipment asset).ab,bi,bsum. AND (real$time)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 11:27
S99	4	(due dead$line) NEAR5 (inspection) NEAR5 (equipment asset) SAME (real$time)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 11:29
S100	4	(due deadline) NEAR5 (inspection) NEAR5 (equipment asset) SAME (real$time)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 11:30
S101	0	(due deadline) NEAR5 (inspection) NEAR5 (equipment asset) SAME (checklist check$list)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 11:31
S102	13	(due deadline) NEAR5 (inspection) SAME (checklist check$list)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 11:31
S103	70	(determin$5 identif$7 list$4) NEAR5 (equipment asset appliance) NEAR5 (due require need) NEAR5 (inspection evaluation renew$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	2020/07/20 11:52

			DERWENT; IBM_TDB			
S104	70	(determin$5 identif$7 list$4 checklist check$list) NEAR5 (equipment asset appliance) NEAR5 (due require need) NEAR5 (inspection evaluation renew$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 11:53
S105	88	(determin$5 identif$7 list$4 checklist check$list document form) NEAR5 (equipment asset appliance) NEAR5 (due require need) NEAR5 (inspection evaluation renew$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 11:54
S106	489	(determin$5 identif$7 list$4 checklist check$list document form) SAME (equipment asset appliance) NEAR5 (due deadline require need) NEAR5 (inspection evaluation renew$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 12:01
S107	1,516	(equipment asset appliance) NEAR5 (due deadline require need) NEAR5 (inspection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 12:02
S108	0	(dashboard) SAME (equipment asset appliance) NEAR5 (due deadline require need) NEAR5 (inspection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 12:03
S109	14	(dashboard) SAME (equipment asset appliance) NEAR5 (inspection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 12:04
S110	179	(template) SAME (equipment asset appliance) NEAR5 (inspection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 12:06
S111	1,123	(report$3) SAME (equipment asset appliance) NEAR5 (inspection)	US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	2020/07/20 12:15

			DERWENT; IBM_TDB			
S112	141	S111 AND @py<="2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 12:16
S113	0	(montetary financial) NEAR3 (transaction) SAME (owner) SAME (inspector)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 12:20
S114	5	(monetary financial) NEAR3 (transaction) SAME (owner) SAME (inspector)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 12:21
S115	17	(monetary financial) NEAR3 (transaction) SAME (inspector)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 12:21
S116	1,669	(inspection) NEAR5 (compliance).ab,bi,bsum.	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 12:22
S117	102	(inspection) NEAR5 (compliance).ab,bi,bsum. AND (owner) NEAR5 (equipment asset appliance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 12:23
S118	52	("5321396" | "5926209" | "5844601" | "6317039" | "5552772" | "5752128" | "6225907" | "6609090" | "5878326" | "6332110" | "5893081" | "6771173").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 13:16
S119	20	(inspection maintenance) NEAR5 (compliance).ab,bi,bsum. AND (invoice payment transaction) NEAR5 (owner) NEAR5 (equipment asset appliance)	US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	2020/07/20 13:29

			DERWENT; IBM_TDB			
S120	17	(inspection maintenance) NEAR5 (compliance).ab,bi,bsum. AND (owner) SAME (cost price) NEAR5 (inspection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 13:39
S121	120	(inspection maintenance) NEAR5 (compliance).ab,bi,bsum. AND (qualified certified ranked) NEAR5 (inspector personnel technician provider)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 13:44
S122	38	(inspection maintenance) NEAR5 (compliance).ab,bi,bsum. AND (owner) SAME (qualified certified ranked) NEAR5 (inspector personnel technician provider)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 14:07
S123	448	(owner) SAME (qualified certified ranked) NEAR5 (inspector personnel technician provider professional SAME (cost price) NEAR5 (inspection))	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 14:10
S124	1	(owner) SAME (qualified certified ranked) NEAR5 (inspector personnel technician provider professional) SAME (cost price) NEAR5 (inspection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 14:11
S125	145	(owner) SAME (cost price bid) NEAR5 (inspection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 14:11
S126	273	(owner) SAME (cost price) SAME (detail description) SAME (inspection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 14:19
S127	63	(owner) SAME (fee) NEAR5 (inspection)	US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	2020/07/20 14:30

			DERWENT; IBM_TDB			
S128	10	(fee) NEAR5 (inspection) NEAR5 (asset equipment appliance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 14:32
S129	35	(fee) NEAR5 (inspection) NEAR5 (owner)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 14:34
S130	80	(fee price cost) NEAR5 (inspection) NEAR5 (owner)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 14:34
S131	79	(fee price cost) NEAR5 (inspection) SAME (overview description detail) NEAR5 (inspection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 14:44
S132	113	(fee price cost estimate) NEAR5 (inspection) SAME (overview description detail) NEAR5 (inspection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 14:45
S133	133	(fee price cost estimate) NEAR5 (inspection) SAME (overview description detail summary) NEAR5 (inspection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 14:45
S134	3	(quote) NEAR5 (inspection) SAME (overview description detail summary) NEAR5 (inspection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 14:55
S135	17	("20080114655" | "20030177071" | "20060184381" | "20060253293" | "20020049624" | "20050283401" | "20030040934").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	ON	2020/07/20 14:56

			DERWENT; IBM_TDB			
S136	0	(quote) NEAR5 (inspection) SAME (owner)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 14:59
S137	24	(quote estimate) NEAR5 (inspection) SAME (owner)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 14:59
S138	63	(fee) NEAR5 (inspection) SAME (owner)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 15:01
S139	464	(fire) NEAR3 (hydrant) AND (water) NEAR5 (test assessment examination quality evaluation)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/07/21 09:05
S140	542	(fire) NEAR3 (hydrant) AND (water) NEAR5 (test assessment examination quality evaluation inspection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/07/21 09:05
S141	34	(fire) NEAR3 (hydrant) AND (report$3) SAME (water) NEAR5 (test assessment examination quality evaluation inspection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/07/21 09:06
S142	64	(fire) NEAR3 (hydrant) AND (report$3) SAME (compliance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/07/21 09:08

7/28/2020 9:45:33 AM
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PTO/SB/06 (09-11)
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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 12/011,202	Filing Date 01/23/2008	☐ 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 $50 =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*		x $210 =	
☐ 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	02/03/2021	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 28	Minus	** 30	= 0		x $100 =	0
	Independent (37 CFR 1.16(h))	* 5	Minus	*** 5	= 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".	/SHARAIN E MORELAND/
*** 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.	

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Doc code: RCEX
Doc description: Request for Continued Examination (RCE)

PTO/SB/30EFS (07-09)
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REQUEST FOR CONTINUED EXAMINATION(RCE)TRANSMITTAL
(Submitted Only via EFS-Web)

Application Number	12011202	Filing Date	2008-01-23	Docket Number (if applicable)	220867-1000	Art Unit	3629
First Named Inventor	Andrew Moren			Examiner Name	Ehrin Larmont Pratt		

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 061629

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

☒ Patent Practitioner Signature

Applicant Signature

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Signature of Registered U.S. Patent Practitioner			
Signature	/Kevin S. Ormiston/	Date (YYYY-MM-DD)	2021-02-03
Name	Kevin S. Ormiston	Registration Number	75003

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

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

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

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

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

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

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

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Andrew Moren et al.	Attorney Docket No.	220867-1000-100
Application No.	12/011,202	Group Art Unit:	3629
Filing Date:	January 23, 2008	Examiner:	PRATT, EHRIN LARMONT

Title: SYSTEMS AND METHODS FOR A WEB BASED INSPECTION COMPLIANCE REGISTRY AND COMMUNICATION TOOL

AMENDMENT AND RESPONSE TO FINAL OFFICE ACTION

TO THE COMMISSIONER OF PATENTS:

This paper is responsive to the outstanding Final Office Action mailed August 3, 2020.

Amendments to the claims begin on page 2.

Remarks begin on page 11.

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IN THE CLAIMS:

1. (Presently Amended) A computer-implemented method for using ~~a~~ fire hydrant management software system accessible via a web registry to track a requisite inspection of an owned asset comprising:

granting remote access, by a computer-based system, to the web-based registry, wherein the web registry is managed by fire hydrant management software, to at least three classes of user, wherein the three classes of user comprise:

(1) an owner of an asset

(2) an approval authority

(3) an inspector;

retrieving, by a computer-based fire hydrant management software system, real time records of assets from a database, the database being remotely accessible and augmentable by each of the at least three classes of user;

analyzing the records of assets from the database to determine whether an asset requires inspection;

automatically creating, according to computer-executable instructions of the fire hydrant management software, ~~a~~an standard format inspection list, based upon the analysis of records of assets from the database, wherein the standard form inspection list includes each asset due for inspection and each asset within a designatable interval of being due for inspection;

for each asset on the inspection list, according to computer-enabled instructions of the fire hydrant management software, retrieving a list of qualified inspectors according to designatable attributes including proximity to the asset, wherein an inspector, upon accessing the web registry, can review and update information, including location;

for each asset on the inspection list, generating a standard format notice notifying the approval authority of the status of the assets assigned to the approval authority, and wherein the approval authority, upon accessing the compliance registry, may update and review the status of the assets;

for each asset on the inspection list, generating, according to computer-executable instructions of the fire hydrant management software, a standard format notice notifying an owner of the asset of an impending deadline for the inspection such notice to include the list of

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qualified inspectors for the asset, a description of the type of inspection, and a cost associated with the type of inspection, and wherein the owner of the asset, upon accessing the web-based registry, may update and review the status of the assets assigned to the owner;

receiving, by a computer-based system, at a server through an internet portal, the server in communication with the web-based registry, information that one of the qualified inspectors supplies, the information garnered by performing the required inspection;

retrieving, by a computer-based fire hydrant management software system, a standard format report template configured to the asset, compiling a report based upon the information the inspector supplies;

transmitting, by a computer-based system, the completed inspection report, based on the report template and the information garnered by performing the inspection, to the approving authority;

transmitting, from the approving authority, by the web-based registry, a standard format notice to the owner of the asset, the notice to include a report of the received information and where the received information includes a noted deficiency;

automatically, according to computer-executable instructions of the fire hydrant software, augmenting at the database, the records relative to the asset to reflect the information the inspector supplies when the inspection is approved by the approving authority; and

after the inspection is approved by the approving authority, completing a monetary transaction between the asset owner and the inspector.

2. (Previously Presented) The method of Claim 1 further comprising:

at a computer in network communication with the database, entering initial information about a non-included asset that requires periodic inspection to comply with a code.

3. (Previously Presented) The method of Claim 1 further comprising:

for each asset on the inspection list, transmitting to each qualified inspector on the list of qualified inspectors relative to the asset information about the asset sufficient for the qualified inspectors to generate a bid to inspect the asset;

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receiving bids for a contract to inspect the asset from at least one of the qualified inspectors relative to the asset;

transmitting the received bids of the asset;

receiving a selection of a bid from the owner of the asset from among the received bids; and

transmitting to the qualified inspector who submitted the received selection, an acceptance of the bid.

4. (Previously Presented) The method of Claim 1, wherein the asset is a fire hydrant, and further wherein the report of the received information includes a water quality test and a course of action based upon the received information, the course of action to include remedy of the deficiency.

5. (Presently Amended) A computer-implemented method for using a web registry to track an asset owner's inspection compliance, the computer-implemented method comprising:

granting remote access to a compliance fire hydrant management software registry system hosted on a server and accessible through a web-portal to at least three classes of user, wherein the three classes of user comprise:

(1) an owner of an asset

(2) an approval authority

(3) an inspector;

at a database, in communication with the compliance fire hydrant management software registry system, including records of assets, compiling an inspection list to include those assets which, after expiration of a designatable interval, will require an inspection;

generating with respect to at least one asset, a list of the qualified inspectors that are available to inspect the asset based upon attributes including proximity to the asset;

generating with respect to at least one asset, a standard form notice notifying the approval authority of the status of the asset assigned to the approval authority, and wherein, the approval authority, upon accessing the compliance fire hydrant management software registry system, may update and review the status of the assets;

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transmitting, by the fire hydrant management software in communication with the web registry, a standard form notification to an owner of the at least one asset on the inspection list, including the list of qualified inspectors a description of the type of inspection, and a cost associated with the type of inspection, indicating that the asset requires an inspection, and wherein the owner of the asset, upon accessing the compliance fire hydrant management software registry system, may update and review the status of the assets;

displaying, at ~~a~~ the web portal associated with the compliance fire hydrant management software registry system, attributes of the at least one asset, to at least one of the qualified inspectors from the list of qualified inspectors relative to the asset, the attributes selected to enable the at least one of the qualified inspectors to formulate a bid for a contract to inspect the asset;

receiving at the web portal associated with the compliance fire hydrant management software registry system, a bid from the at least one inspector from a list of qualified inspectors;

displaying to the owner the bid from the at least one inspector for selection;

receiving, at the web portal associated with the compliance fire hydrant management software registry system, the selection of a bid from the owner, such selection to include a form of payment for the inspection;

notifying the at least one inspector of a standard format contract to inspect based upon the selected bid;

receiving, at the web portal associated with the compliance registry system, from the at least one inspector, according to an asset specific template provided by the compliance registry system, standard format inspection information indicating the status of the asset, wherein the received inspection information includes receiving information describing deficiencies in the asset job, the owner of an asset receiving bids from qualified inspectors based on the needs of the asset;

after receiving the inspection information, notifying the approval authority of the inspection information;

receiving approval from the approval authority;

transmitting a standard format notification that an inspection was completed and approved by an approving authority; and

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releasing to the inspector the payment.

6. (Previously Presented) The method of Claim 5 further comprising:

populating the database with initial information about an asset that requires periodic inspection to comply with a code.

7. (Cancelled)

8. (Previously Presented) The method of Claim 5, wherein the receiving inspection information, further comprises:

collecting inspection information using a handheld device.

9. (Withdrawn) A method for using a web based registry containing fire hydrant information comprising: activating a handheld device configured to receive global positioning system location signals and wirelessly connected to the web registry containing fire hydrant information; determining fire hydrants in proximity to the handheld device using the global positioning system location and the web registry containing fire hydrant information; and displaying on a handheld device display a status of a plurality of fire hydrants within a predefined radius of the handheld device.

10. (Withdrawn) The method of Claim 9 further comprising: displaying on a handheld device display detailed information about each fire hydrant within a predefined radius of the handheld device.

11. (Withdrawn) The method of Claim 9 further comprising: displaying a route to the closest working fire hydrant to the handheld device.

12. (Withdrawn) The method of Claim 9 further comprising: displaying a route to the closest non-working fire hydrant to the handheld device.

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13. (Withdrawn) The method of Claim 10 further comprising: entering a location of interest into the handheld device; determining fire hydrants in proximity to the location of interest and the web registry containing fire hydrant information; and displaying on the handheld device display a status of a plurality of fire hydrants in proximity to the location of interest.

14. (Withdrawn) The method of Claim 9 further comprising: receiving radio frequency identification signals from a fire hydrant with an installed radio frequency identification chip.

15. (Withdrawn) The method of Claim 9 further comprising: receiving information using the handheld device have a bar code reader from a fire hydrant with an installed barcode.

16. (Withdrawn) A system for a web based compliance registry comprising: a processor; a display; a database in data communication with the processor and the display configured to store owned asset information; a user interface in data communication with the database configured to show owned asset information on the display; and a handheld device configured to wirelessly connect to the user interface and with the database in order to input and view owned asset data wirelessly and to store specific information based on its global position.

17. (Withdrawn) The system of Claim 16 wherein the database is stored locally on a computer.

18. (Withdrawn) The system of Claim 16 wherein the database is accessible by a computer over a network connection.

19. (Withdrawn) The system of Claim 16 wherein the owned asset is a fire hydrant.

20. (Withdrawn) The system of Claim 19 wherein the database is configured to store fire hydrant information related to at least one of hydrant ownership, make, model, year, color, condition, rating of needed maintenance, specific recommended maintenance, pressure, flow,

location, address, time of inspection, environment conditions during inspection, landscaping, digital picture of hydrant, nozzle size and orientation, physical description of hydrant, special markings, service record, water quality, and hydrant number.

21. (Previously Presented) A computer-implemented method for using a fire hydrant management software and a web-based registry to track requisite inspection of an owned asset comprising:

granting remote access to a web-based registry system, wherein the web-based registry is configured to run a fire hydrant management software, to at least three classes of user, wherein the three classes of user comprise:

(1) an owner of an asset

(2) an approval authority

(3) an inspector

retrieving, by a computer-based fire hydrant management software system, real time records of assets from a database, the database being accessible and augmentable by a classes of user;

analyzing the records of assets from the database to identify notification events;

based on the analysis, notifying an owner of an asset ~~at~~ of a notification event, wherein the notice includes a standard format description of the type of inspection, and a cost associated with the type of inspection, and wherein the notification event comprises a designatable interval in advance of an impending deadline for the inspection, and wherein the owner of the asset, upon remotely accessing the fire hydrant management software compliance registry, may update and review the status of the assets;

based upon the analysis, ~~notifying~~ sending a standard format notice to the approval authority of the status of the assets assigned to the approval authority, and wherein the approval authority, upon accessing the web-based registry, may update and review the status of the assets assigned;

upon logging on to a password controlled website configured to provide access to the fire hydrant management software, providing to an inspector the owner selects, the selection based upon a list of qualified inspectors that are available to inspect the asset based upon attributes

including proximity to the asset, a web-based template configured to describe the asset an each of the steps of the inspection;

receiving from the inspector, inspection information in specific response to the web-based template;

storing in a database in association with the asset, the inspection information, wherein the inspection information is accessible to the users, and updating the database in association with the asset based upon the inspection information;

transmitting to the approval authority, a standard format compliance report including noting compliance, wherein the compliance report includes, noting deficiencies in the asset and storing the noted deficiencies in association with the asset.

22. (Previously Presented) The method of Claim 21, wherein the storing further includes:

storing, in association with the asset a new deadline date, based upon completion of the inspection.

23. (Previously Presented) The method of Claim 22 further comprising:

receiving bids to perform a suitably compliant inspection of the asset from a group of qualified inspectors including, at least, the inspector; and

presenting to the owner a compilation of the bids for selection of the inspector.

24. (Previously Presented) The method of Claim 23 further comprising:

based upon the owner selecting the inspector, scheduling the inspector's inspection of the asset based upon the impending deadline, the inspector's availability, and the asset availability.

25. (Previously Presented) The method of Claim 21, wherein the compiling the report includes:

receiving, from the inspector, photographs of the asset or components of the asset; and

storing the photographs in association with the asset and the date of the inspection.

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26. (Cancelled)

27. (Previously Presented) The method of Claim 21, wherein the noting deficiencies further comprises:

selecting a remedy deficiency deadline based upon the noted deficiency and the date of the inspection; and

storing in association with the asset a remedy deficiency deadline.

28. (Previously Presented) The method of Claim 27, further comprising

receiving bids to perform a suitably compliant remedy of the deficiency from a group of qualified contractors; and

presenting to the owner a compilation of the bids for selection of a contractor to remedy the deficiency.

29. (Presently Presented) The method of Claim 28 further comprising:

based upon the owner selecting the contractor, scheduling the contractor to remedy the deficiency based upon the remedy deficiency deadline, the contractor's availability, and the asset availability.

30. (Previously Presented) The method of Claim 21, further comprising:

compiling compliance report including the noted deficiency.

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REMARKS

Claims 1-6, 8, 21-25 and 27-30 are pending and stand rejected. Claims 9-20 have been withdrawn. Claims 7 and 26 were previously cancelled. Claims 1, 5, and 21 have been amended. No new matter has been added to the application. Applicants respectfully request reconsideration of the present application.

REJECTION OF CLAIMS UNDER 35 U.S.C. § 101

Claims 1-6, 8, 21-25, and 27-30 are rejected under 35 U.S.C. 101 as being allegedly directed to a judicial exception without significantly more. The Examiner's rejection is respectfully traversed.

Applicant respectfully suggests the present claims, as amended, are eligible pursuant to 35 U.S.C. 101. The Office Action specifically calls out that the prior version of the claims did not reflect features such as a "standard format" or "fire hydrant management software" and was therefore ineligible. The amended claims include these specific eligible features. Each claim recites an incredibly specific turn-key fire hydrant management invention. As a result, the presently amended claims are allowable under 35 U.S.C. 101.

Claim 1 is eligible at least at Step 2A Prong 2:

The amended claims are eligible under 2A Prong Two because the claim as a whole "integrates the recited judicial exception into a practical application of that exception." Prong Two thus distinguishes claims that are "directed to" the recited judicial exception from claims that are not "directed to" the recited judicial exception.

The instant claims are *specifically* related to a single practical application, a remotely accessible fire hydrant management system that automatically updates and notifies various stakeholders in order to improve compliance with mandated local codes and ordinances. This is not an effort to "monopolize an exception." Instead, the claim elements are specifically and laboriously indicative of integration of an "abstract idea," to the extent one even exists here, into a practical application.

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To the extent further argument on the merits is necessary, Applicant continues to disagree with the practice of throwing out the majority of the invention, as occurs at pages 4-6.

In reference to Step 2A, the Office Action continues to throw out the majority of the steps of the invention, at pages 4, for example, calling out specific limitations, removed from the other limitations in the claim, and one by one tosses the individual limitations aside based on various legal theories. Under this level of dissection, any claim would fail to integrate a purported judicial exception into a practical application. After all, there can be no practical application of individual components analyzed in a vacuum. The October guidance warned of this approach:

> "As also explained in the 2019 PEG, the Prong Two analysis **considers the claim as a whole**. That is, the limitations containing the judicial exception as well as the additional elements in the claim besides the judicial exception need to be **evaluated together** to determine whether the claim integrates the judicial exception into a practical application. The additional limitations should not be evaluated in a vacuum, completely separate from the recited judicial exception. Instead, the analysis should take into consideration all the claim limitations and how those limitations interact and impact each other when evaluating whether the exception is integrated into a practical application."

When properly considered, newly amended claim 1 recites a highly specific method, beyond anything that was available at the time of priority, for using a fire hydrant management software to track, identify, implement, record, and pay for a requisite inspection of an owned asset. Claim 1 lays out the method in exceptional detail. Claim 1 as a whole recites a turnkey method for a connected automated or semi-automated compliance monitoring system that provides remote access to each stake holder in the compliance triangle.

Accordingly, Applicant respectfully submits that the amended claim 1 and the above-mentioned arguments recite patent eligible subject matter, rendering the rejection improper, and Applicant requests withdrawal of the rejection.

Examiner rejects claims 5 and 21 using the same arguments described above with respect to claim 1. Claims 5 and 21 also include the above argued significant limitations and direct to a patent eligible subject matter, and therefore withdrawal of their rejection is also requested.

Further, dependent claims 2-4 are also allowable under 35 USC § 101 for their dependence on allowable claim 1, and claims 6 and 8 are also allowable for their dependency on independent claim 5. Further, claims 22-25 and 27-30 are also allowable for their dependency on independent claim 21. Thus, Applicant respectfully requests the Examiner to withdraw this rejection.

CONCLUSION

For the foregoing reasons, Applicants respectfully request withdrawal of the aforementioned objections and rejections and reconsideration of the application. If there are any remaining matters that may be handled by telephone conference, the Examiner is kindly invited to call the undersigned. Any additional fees or overpayment as a result of this filing may be charged to Deposit Account No. 061629.

Respectfully submitted,

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Electronic Patent Application Fee Transmittal

Application Number:	12011202
Filing Date:	23-Jan-2008
Title of Invention:	Systems and methods for a web based inspection compliance registry and communication tool
First Named Inventor/Applicant Name:	Andrew Moren
Filer:	Richard Thomas Black/Kristine Springer
Attorney Docket Number:	220867-1000-100

Filed as Small Entity

Filing Fees for Utility under 35 USC 111(a)

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

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension - 3 months with $0 paid	2253	1	740	740
Miscellaneous:				
RCE- 2ND AND SUBSEQUENT REQUEST	2820	1	1000	1000
		Total in USD ($)		**1740**

Electronic Acknowledgement Receipt

EFS ID:	41831396
Application Number:	12011202
International Application Number:	
Confirmation Number:	7547
Title of Invention:	Systems and methods for a web based inspection compliance registry and communication tool
First Named Inventor/Applicant Name:	Andrew Moren
Customer Number:	16579
Filer:	Richard Thomas Black/Kristine Springer
Filer Authorized By:	Richard Thomas Black
Attorney Docket Number:	220867-1000-100
Receipt Date:	03-FEB-2021
Filing Date:	23-JAN-2008
Time Stamp:	20:48:43
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	$1740
RAM confirmation Number	E202123K49181259
Deposit Account	061629
Authorized User	Kristine Springer

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 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Request for Continued Examination (RCE)	RCE3.pdf	697591 7671bd5bb7852d844f0c336fcef256ea29428255	no	3
Warnings:					
Information:					
2		54026118_3_RFOA.pdf	155434 a59d22f429f6f24811087fdbae4805adde37cbb2	yes	13

Multipart Description/PDF files in .zip description

Document Description	Start	End
Amendment Submitted/Entered with Filing of CPA/RCE	1	1
Claims	2	10
Applicant Arguments/Remarks Made in an Amendment	11	13

Warnings:					
Information:					
3	Fee Worksheet (SB06)	fee-info.pdf	32437 583c1769077bde3ab716875bb13ad15e6653d4d1	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	885462		

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
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NOTICE OF ALLOWANCE AND FEE(S) DUE

16579 7590 05/18/2021

Foster Garvey PC
1111 Third Avenue, Suite 3000
Seattle, WA 98101-3296

EXAMINER
PRATT, EHRIN LARMONT

ART UNIT	PAPER NUMBER
3629	

DATE MAILED: 05/18/2021

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/011,202	01/23/2008	Andrew Moren	220867-1000-100	7547

TITLE OF INVENTION: Systems and methods for a web based inspection compliance registry and communication tool

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	$600	$0.00	$0.00	$600	08/18/2021

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.

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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)

16579 7590 05/18/2021
Foster Garvey PC
1111 Third Avenue, Suite 3000
Seattle, WA 98101-3296

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.
12/011,202	01/23/2008	Andrew Moren	220867-1000-100	7547

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nonprovisional	SMALL	$600	$0.00	$0.00	$600	08/18/2021

EXAMINER	ART UNIT	CLASS-SUBCLASS
PRATT, EHRIN LARMONT	3629	705-314000

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. _____

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12/011,202	01/23/2008	Andrew Moren	220867-1000-100	7547

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Seattle, WA 98101-3296

EXAMINER	
PRATT, EHRIN LARMONT	
ART UNIT	PAPER NUMBER
3629	

DATE MAILED: 05/18/2021

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.

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.

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Notice of Allowability	Application No. 12/011,202	Applicant(s) Moren et al.	
	Examiner EHRIN PRATT	Art Unit 3629	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 remarks and amendments filed 03 February 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 1-6,8,21-25 and 27-30 . 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 _____.

/EHRIN L PRATT/ Examiner, Art Unit 3629	/LYNDA JASMIN/ Supervisory Patent Examiner, Art Unit 3629

DETAILED ACTION

The present application is being examined under the pre-AIA first to invent provisions.

Status of Claims

1. The following is a Notice of Allowance in response to remarks filed 03 February 2021.

Election/Restrictions

2. This application is in condition for allowance except for the presence of claims 9-20 directed to an invention non-elected without traverse. Accordingly, claims 9-20 have been cancelled.

REASONS FOR ALLOWANCE

3. Claims 1-6, 8, 21-25, and 27-30 are allowable as set forth below.

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

5. Examiner has withdrawn the 35 USC 101 rejection of claims 1-6, 8, 21-25, and 27-30 in view of the Applicant's amendments. Claims 1, 5, and 21 are directed to a process (a series of acts or steps). Thus each of the claim falls within one of the four statutory categories. Further the claims do not recite a mental process because the steps are not practically performed in the human mind. The claims do not recite any mathematical concepts. The claims recite "granting remote access to at least three classes of user, wherein the three classes of user comprise: (1) an owner of an asset (2) an approval authority (3) an inspector". The claimed concept of a method that allows users to access inspection information and receive updated information from other

users is a method of managing relationships or interactions between people. Thus the limitations fall within the certain methods of organizing human activity grouping.

The combination of additional elements that recite "retrieving, by a computer-based fire hydrant management software system, real time records of assets from a database, the database being remotely accessible and augmentable by each of the at least three classes of user;", "analyzing the records of assets from the database to determine whether an asset requires inspection;", "automatically creating, according to computer-executable instructions of the fire hydrant management software, a standard format inspection list, based upon the analysis of records of assets from the database, wherein the standard form inspection list includes each asset due for inspection and each asset within a designatable interval of being due for inspection;", "for each asset on the inspection list, according to computer-enabled instructions of the fire hydrant management software, retrieving a list of qualified inspectors according to designatable attributes including proximity to the asset, wherein an inspector, upon accessing the web registry, can review and update information, including location;", "for each asset on the inspection list, generating a standard format notice notifying the approval authority of the status of the assets assigned to the approval authority, and wherein the approval authority, upon accessing the compliance registry, may update and review the status of the assets;", "for each asset on the inspection list, generating, according to computer-executable instructions of the fire hydrant management software, a standard format notice notifying an owner of the asset of an impending deadline for the inspection such notice to include the list of qualified inspectors for the asset, a description of the type of inspection, and a cost associated with the type of inspection, and wherein the owner of the asset, upon accessing the web-based registry, may update and review the status of the assets assigned to the owner;", "receiving, by a computer-based system, at a

server through an internet portal, the server in communication with the web-based registry, information that one of the qualified inspectors supplies, the information garnered by performing the required inspection;", "retrieving, by a computer-based fire hydrant management software system, a standard format report template configured to the asset, compiling a report based upon the information the inspector supplies;", "transmitting, by a computer-based system, the completed inspection report, based on the report template and the information garnered by performing the inspection, to the approving authority;", "transmitting, from the approving authority, by the web-based registry, a standard format notice to the owner of the asset, the notice to include a report of the received information and where the received information includes a noted deficiency;", "automatically, according to computer-executable instructions of the fire hydrant software, augmenting at the database, the records relative to the asset to reflect the information the inspector supplies when the inspection is approved by the approving authority;" and "after the inspection is approved by the approving authority, completing a monetary transaction between the asset owner and the inspector." In particular, the combination of additional elements use the fire hydrant management software system in a specific manner over prior art systems by allowing remote users to process inspections in a standard format, track inspection compliance, and pay for inspection of an owned asset. The claim as a whole integrates the certain method of organizing human activity into a practical application.

Regarding the prior art, the claimed invention is directed to using a fire hydrant management software system accessible via a web registry to track a requisite inspection of an owned asset.

The claims 1, 5, and 21 identify the uniquely distinct features of: *independent claim 1 recites "granting remote access, by a computer-based system, to the web-based registry, wherein*

the web registry is managed by fire hydrant management software, to at least three classes of user, wherein the three classes of user comprise: (1) an owner of an asset (2) an approval authority (3) an inspector;", "retrieving, by a computer-based fire hydrant management software system, real time records of assets from a database, the database being remotely accessible and augmentable by each of the at least three classes of user;", "for each asset on the inspection list, generating, according to computer-executable instructions of the fire hydrant management software, a standard format notice notifying an owner of the asset of an impending deadline for the inspection such notice to include the list of qualified inspectors for the asset, a description of the type of inspection, and a cost associated with the type of inspection, and wherein the owner of the asset, upon accessing the web-based registry, may update and review the status of the assets assigned to the owner;", independent claim 5 recites "granting remote access to a compliance fire hydrant management software registry system hosted on a server and accessible through a web-portal to at least three classes of user, wherein the three classes of user comprise: (1) an owner of an asset (2) an approval authority (3) an inspector;", "transmitting, by the fire hydrant management software in communication with the web registry, a standard form notification to an owner of the at least one asset on the inspection list, including the list of qualified inspectors a description of the type of inspection, and a cost associated with the type of inspection, indicating that the asset requires an inspection, and wherein the owner of the asset, upon accessing the compliance fire hydrant management software registry system, may update and review the status of the assets;", independent claim 21 recites "granting remote access to a web-based registry system, wherein the web-based registry is configured to run a fire hydrant management software, to at least three classes of user, wherein the three classes of user comprise: (1) an owner of an asset (2) an approval authority (3) an inspector retrieving, by a

computer-based fire hydrant management software system, real time records of assets from a database, the database being accessible and augmentable by a classes of user; analyzing the records of assets from the database to identify notification events; based on the analysis, notifying an owner of an asset of a notification event, wherein the notice includes a standard format description of the type of inspection, and a cost associated with the type of inspection, and wherein the notification event comprises a designatable interval in advance of an impending deadline for the inspection, and wherein the owner of the asset, upon remotely accessing the fire hydrant management software compliance registry, may update and review the status of the assets;"

The closest prior art of record Campion (US 7,649,450) teaches in col. 1:18-25 providing an authenticated test report and other authenticated test related and monitoring metrics for life safety equipment, such as fire alarm control panel for facilitating on-site walkabout testing, inspection, installation, servicing, and control of fire alarm systems. Silva (US 7,831,628) teaches (abstract) users to transmit plans, request inspections and retrieve inspection results and retrieve inspection results along with any issued certifications via a network. Inspectors also retrieve and schedule inspection requests via the network. Cober (US 2005/0108038) teaches (abstract) an online fire plan system that includes a data entry, storage, and retrieval module, and a fire plan wizard for guiding a user. Elliott (US 6,446,053) teaches col. 2:25-39 a computer implemented method and system enables a user to develop a construction proposal including a detailed graphical model and a detailed cost estimate model. Colliau (US 2008/0114638) teaches (abstract) a system for automatically scheduling an appointment for performing a task. Deaton (US 2006/0235611) teaches (¶ 0002, 0009) systems and methods for recording and reporting data collected from a remote location. A portable computing device for storing the inspection

data and a bidirectional communications interface for transmitting the inspection data to the client and receiving the inspection plan from the client. It is hereby asserted by the Examiner and upon further deliberation over all the evidence at hand, that the claims are allowable. The Examiner performed an updated search and was unable to find any other non-patent literature which would teach or suggest, other otherwise render obvious, even in combination with the Campion, Silva, Cober, Elliott, Colliau, and Deaton references, the aforementioned claim limitations.

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 EHRIN PRATT whose telephone number is (571)270-3184. The examiner can normally be reached on 8-5 EST Monday-Friday.

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, Lynda Jasmin can be reached on 571-272-6782. 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.

EHRIN PRATT
Examiner
Art Unit 3629

/EHRIN L PRATT/
Examiner, Art Unit 3629

/LYNDA JASMIN/
Supervisory Patent Examiner, Art Unit 3629

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	12/011,202	Moren et al.
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	EHRIN PRATT	3629

✓	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	05/03/2021	07/20/2020	03/22/2013	10/19/2013	12/30/2013	05/05/2014	03/01/2018	11/15/2018	10/25/2019
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2	2	=	✓	✓	✓	✓	✓	✓	✓	✓
3	3	=	✓	✓	✓	✓	✓	✓	✓	✓
4	4	=	✓	✓	✓	✓	✓	✓	✓	✓
5	5	=	✓	✓	✓	✓	✓	✓	✓	✓
6	6	=	✓	✓	✓	✓	✓	✓	✓	✓
	7	-	-	✓	✓	✓	✓	✓	✓	-
7	8	=	✓	✓	✓	✓	✓	✓	✓	✓
	9	-	N	N	N	N	N	N	N	N
	10	-	N	N	N	N	N	N	N	N
	11	-	N	N	N	N	N	N	N	N
	12	-	N	N	N	N	N	N	N	N
	13	-	N	N	N	N	N	N	N	N
	14	-	N	N	N	N	N	N	N	N
	15	-	N	N	N	N	N	N	N	N
	16	-	N	N	N	N	N	N	N	N
	17	-	N	N	N	N	N	N	N	N
	18	-	N	N	N	N	N	N	N	N
	19	-	N	N	N	N	N	N	N	N
	20	-	N	N	N	N	N	N	N	N
8	21	=	✓	✓	✓	✓	✓	✓	✓	✓
9	22	=	✓	✓	✓	✓	✓	✓	✓	✓
10	23	=	✓	✓	✓	✓	✓	✓	✓	✓
11	24	=	✓	✓	✓	✓	✓	✓	✓	✓
12	25	=	✓	✓	✓	✓	✓	✓	✓	✓
	26	-	-	✓	✓	✓	✓	✓	✓	-
13	27	=	✓	✓	✓	✓	✓	✓	✓	✓
14	28	=	✓	✓	✓	✓	✓	✓	✓	✓
15	29	=	✓	✓	✓	✓	✓	✓	✓	✓
16	30	=	✓	✓	✓	✓	✓	✓	✓	✓

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	Examiner	Art Unit
	EHRIN PRATT	3629

CPC						
Symbol					Type	Version
G06Q	/	10	/	10	F	2013-01-01

CPC Combination Sets								
Symbol					Type	Set	Ranking	Version
	/		/					

/EHRIN L PRATT/ Examiner, Art Unit 3629	03 May 2021	Total Claims Allowed:	
(Assistant Examiner)	(Date)	16	
/LYNDA JASMIN/ Supervisory Patent Examiner, Art Unit 3629	10 May 2021	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	3

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INTERNATIONAL CLASSIFICATION					
CLAIMED					
G06Q10/10	/	10	/	10	

NON-CLAIMED				
	/		/	

US ORIGINAL CLASSIFICATION	
CLASS	SUBCLASS

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

/EHRIN L PRATT/ Examiner, Art Unit 3629	03 May 2021	Total Claims Allowed:	
(Assistant Examiner)	(Date)	16	
/LYNDA JASMIN/ Supervisory Patent Examiner, Art Unit 3629	10 May 2021	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	3

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

CLAIMS

Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
1	1		10		19	14	28								
2	2		11		20	15	29								
3	3		12	8	21	16	30								
4	4		13	9	22										
5	5		14	10	23										
6	6		15	11	24										
	7		16	12	25										
7	8		17		26										
	9		18	13	27										

/EHRIN L PRATT/ Examiner, Art Unit 3629	03 May 2021	**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	16	
/LYNDA JASMIN/ Supervisory Patent Examiner, Art Unit 3629	10 May 2021	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	3

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CPC - Searched*		
Symbol	Date	Examiner
G06Q10/10	05/03/2021	EP

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
searched east	6/18/12	
updated east and npl search see attached	05/05/2014	tlc
Updated EAST Search	02/28/2018	EP
Updated EAST Search	11/15/2018	EP
Updated EAST Search	10/23/2019	EP
Updated EAST Search	07/20/2020	EP
Updated EAST Search	05/03/2021	EP
IP.com	05/03/2021	EP

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Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner
G06Q10	10,20	05/03/2021	EP

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EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	0	("20060258292" | "20060123010" | "20040044696" | "20020082937" | "20040139053" | "20040177326" | "20080114638" | "20030171957" | "20050128083" | "20070005273").PN.	USPAT	OR	OFF	2018/02/27 13:34
S2	20	("20060258292" | "20060123010" | "20040044696" | "20020082937" | "20040139053" | "20040177326" | "20080114638" | "20030171957" | "20050128083" | "20070005273").PN.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/27 13:34
S3	6	(charge) WITH (compliance) WITH (asset)	USPAT	OR	OFF	2018/02/27 14:20
S4	594	(compliance) WITH (asset)	USPAT	OR	OFF	2018/02/27 14:21
S5	25	(due) WITH (inspection) AND (compliance) WITH (asset)	USPAT	OR	OFF	2018/02/27 14:22
S6	1	(andrew) NEAR3 (moren).in.	USPAT	OR	OFF	2018/02/27 14:37
S7	4	(robert) NEAR3 (moren).in.	USPAT	OR	OFF	2018/02/27 14:37
S8	0	"20090157521"	USPAT	OR	OFF	2018/02/27 14:38
S9	60	705/314$	USPAT	OR	OFF	2018/02/27 14:38
S10	2	(access$3 gather$3 retriev$3) WITH (approved qualified) NEAR3 (inspector)	USPAT	OR	OFF	2018/02/27 14:51
S11	1	(list$3) WITH (certified approved qualified) NEAR3 (inspector)	USPAT	OR	OFF	2018/02/27 14:52
S12	17	(list$3) WITH (certified approved qualified) NEAR3 (inspector)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/27 14:52
S13	34	(compliance) WITH (owned) WITH (asset)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/27 14:59

S14	25,343	(due deadline) WITH (inspection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/27 15:06
S15	7	(due deadline) WITH (inspection) AND (invoice) WITH (owner)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/27 15:08
S16	109	(due deadline) WITH (inspection) AND (invoice)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/27 15:08
S17	22	("20080084291" | "20120154141" | "8810387" | "9552720" | "9672486" | "9767679").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/27 15:17
S18	21	("20040034684" | "20040262387" | "20050023347" | "20050137829" | "20050211777" | "20060162178" | "20060259392" | "20070044559" | "20080048682" | "20080077512" | "20080084291" | "20080111074" | "20090018859" | "20100088141" | "20100306085" | "20110016319" | "20120109660" | "6421571" | "7565306" | "8315834" | "8358903").PN. OR ("9672486").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2018/02/27 15:19
S19	229	(marketplace market$place) AND (inspector)	USPAT	OR	OFF	2018/02/28 06:29
S20	13	(marketplace market$place) SAME (inspector)	USPAT	OR	OFF	2018/02/28 06:29
S21	113	(marketplace market$place) AND (inspector) AND (inspection)	USPAT	OR	OFF	2018/02/28 06:31
S22	32	("20020026266" | "20030069648" | "20050190053" | "20070174438" | "20090284348" | "20110117878" | "20110130636" | "20110151829" | "20120218102" | "20120232355" | "20120271370" | "20130012151" | "20130040600" | "20130053063" | "20130252574" | "20140002241" |	US-PGPUB; USPAT; USOCR	OR	OFF	2018/02/28 06:33

		"5960337" | "7048185" | "7091852" | "7171217" | "7177623" | "7289029" | "7607014" | "7793850" | "7922073" | "8095403" | "8185623" | "8300922" | "8314683" | "8350693" | "8401514" | "8526910").PN. OR ("9619767").URPN.				
S23	24	(fire) NEAR3 (department marshall) AND (inspector) AND (inspection)	USPAT	OR	OFF	2018/02/28 06:41
S24	0	"20080114638"	USPAT	OR	OFF	2018/02/28 07:03
S25	21	"20080114638"	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 07:04
S26	73	(fire) NEAR3 (department marshal) AND (inspector) AND (inspection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	OFF	2018/02/28 07:04
S27	49	S26 AND owner	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	OFF	2018/02/28 07:04
S28	4	(fire) NEAR3 (department marshal) AND (list$3) WITH (inspector) AND (inspection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	OFF	2018/02/28 07:07
S29	34	inspector WITH bid	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 07:14
S30	15	("20110099081" | "20020073049" | "20070192229" | "20050251400" | "7146331" | "20100042508").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 07:17
S31	84	candidate WITH inspector	US-PGPUB; USPAT; USOCR;	OR	ON	2018/02/28 07:25

			FPRS; EPO; DERWENT; IBM_TDB			
S32	1,048	(available candidate) WITH (inspector)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 07:25
S33	35	(available candidate) WITH (inspector) SAME (owner)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 07:26
S34	62	(list$3) WITH (available candidate) WITH (inspector)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 07:38
S35	5	(retriev$3 access$3 generat$3) WITH (list$3) WITH (available candidate certified approved compliance) WITH (inspector)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 07:39
S36	73	(list$3) WITH (available candidate certified approved compliance) WITH (inspector)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 07:39
S37	165	(receiv$3 collect$3) WITH (bid) WITH (perform) WITH (inspection service)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 13:31
S38	82	S37 AND (acceptance confirmation selection) WITH (bid)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 13:34
S39	0	(receiv$3 collect$3) WITH (bid offer) WITH (perform) WITH (inspection service) WITH (inspector)	US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	2018/02/28 13:35

			DERWENT; IBM_TDB			
S40	2	(receiv$3 collect$3) WITH (bid offer) WITH (perform) WITH (inspection service) WITH (inspector contractor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 13:35
S41	151	(bid offer) WITH (perform) WITH (inspection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 13:36
S42	8	(select$4) WITH (bid offer) WITH (perform) WITH (inspection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 13:39
S43	8	(select$4) WITH (bid offer) SAME (perform) WITH (inspection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 13:39
S45	23	((bid offer) WITH (perform) WITH (inspection)).ab.	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 14:02
S46	20	((marketplace market$place) SAME (perform) WITH (inspection))	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 14:04
S47	44	((marketplace market$place) SAME (inspector))	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 14:05
S48	223	((bid offer$4) WITH (inspector))	US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	2018/02/28 14:08

			DERWENT; IBM_TDB			
S49	230	((bid offer$4 quote) WITH (complete perform) WITH (inspection))	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 14:12
S50	570	((bid offer$4 quote estimate estimation fee price) WITH (complete perform) WITH (inspection))	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 14:13
S51	33	S50 AND (list$4) WITH (inspector contractor provider)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 14:14
S52	0	((request$4) WITH (bid offer$4 quote estimate estimation fee price) WITH (complete perform) WITH (inspection)) AND (contract agreement) WITH (inspect)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 14:24
S53	25	((request$4 solicit$6) WITH (bid offer$4 quote estimate estimation fee price) WITH (complete perform) WITH (inspection))	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 14:26
S54	15	(due) WITH (inspection) AND (proposal quote) WITH (inspect)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 14:34
S55	26	(qualified certified approved licensed) WITH (inspector) AND (proposal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 14:39
S56	4,488	(request) NEAR3 (proposal)	US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	2018/02/28 15:00

			DERWENT; IBM_TDB			
S57	89	(request) NEAR3 (proposal) AND (inspector)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 15:01
S58	195	(bid) NEAR3 (proposal) SAME (inspector contractor vendor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 15:08
S59	31	(receiv$3 collect$3 gather$3 obtain$3 aggregat$4 compil$5) WITH (bid) NEAR3 (proposal) SAME (inspector contractor vendor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 15:14
S60	8	("20030088534" | "20090049094" | "20090216552").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2018/02/28 15:27
S61	145	(list) WITH (inspectors)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2018/11/15 07:53
S62	1,356	(G06Q50/163).cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 12:23
S63	212	(G06Q50/163).cpc. AND (fire)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 12:24
S64	143	(G06Q50/163).cpc. AND (fire) AND (owner)	US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	2019/10/23 12:24

			DERWENT; IBM_TDB			
S65	62	(G06Q50/163).cpc. AND (report notification notice alert) NEAR5 (owner)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 12:27
S66	8	(G06Q50/163).cpc. AND (report notification notice alert) NEAR5 (non$compliance deficiency)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 13:29
S67	3,837	(report notification notice alert) NEAR5 (non$compliance deficiency)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 13:48
S68	0	(report notification notice alert) NEAR5 (non$compliance deficiency) NEAR5 (owner) AND (technician inspector) NEAR5 (report)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 13:50
S69	171	(report notification notice alert) SAME (non$compliance deficiency fail failure) AND (building property) NEAR3 (owner) AND (inspector)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 13:52
S70	171	(report notification notice alert) SAME (non$compliance deficiency fail failure) AND (building property) NEAR3 (owner) AND (inspector)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 13:52
S71	83	(report notification notice alert) NEAR5 (non$compliance deficiency fail failure) AND (building property) NEAR3 (owner) AND (inspector)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 13:54
S72	33	(building property business) NEAR3 (owner) AND (fire) NEAR3 (inspector jurisdiction)	US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	2019/10/23 14:12

			DERWENT; IBM_TDB			
S73	12	(fire) NEAR3 (inspector chief marshal official) NEAR5 (report)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 14:18
S74	723	(fire) NEAR3 (inspector chief marshal official) AND (deficiency failure non$compliance non$compliant)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 14:19
S75	40	(fire) NEAR3 (inspector chief marshal official) SAME (deficiency failure non$compliance non$compliant)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 14:19
S76	70	(fire sprinkler alarm) NEAR3 (inspector chief marshal official department) SAME (deficiency failure non$compliance non$compliant) WITH (owner)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 14:24
S77	3	(fire sprinkler alarm hydrant) NEAR3 (inspector chief marshal official department) AND (e$mail notice) WITH (deficiency failure non$compliance non$compliant) WITH (owner)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 14:39
S78	6	(fire sprinkler alarm hydrant) NEAR3 (inspector chief marshal official department) AND (e$mail notice) WITH (deficiency failure non$compliance non$compliant issue defect) WITH (owner)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 14:39
S79	7	(fire sprinkler alarm hydrant saftey building) NEAR3 (inspector chief marshal official department) AND (e$mail notice) WITH (deficiency failure non$compliance non$compliant issue defect) WITH (owner)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 14:41
S80	89	(fire sprinkler alarm hydrant saftey building) NEAR3 (inspector chief marshal official department) AND (e$mail notice notification alert) WITH (deficiency failure non$compliance	US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	2019/10/23 14:41

		non$compliant issue defect) WITH (owner)	DERWENT; IBM_TDB			
S81	60	(fire sprinkler alarm hydrant saftey building) NEAR3 (inspector chief marshal official department) SAME (e$mail notice notification alert) WITH (deficiency failure non$compliance non$compliant issue defect) WITH (owner)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 14:42
S82	1	(fire) NEAR3 (code regulation) SAME (e$mail notice notification alert) WITH (deficiency failure non$compliance non$compliant issue defect) WITH (owner)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 14:48
S83	14	(fire) NEAR3 (code regulation) SAME (e$mail notice notification alert) WITH (deficiency failure non$compliance non$compliant issue defect)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 14:49
S84	15	(fire) NEAR3 (code regulation standard statute) SAME (e$mail notice notification alert) WITH (deficiency failure non$compliance non$compliant issue defect)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 14:49
S85	1,331	(e$mail notice notification alert) WITH (deficiency failure non$compliance non$compliant issue defect) WITH (owner)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 14:53
S86	215	S85 AND @py<="2007"	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 14:55
S87	215	(inspection) WITH (deficiency failure non$compliance non$compliant issue defect) WITH (owner)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 15:05
S88	215	S86 AND @py<="2007"	US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	2019/10/23 15:05

			DERWENT; IBM_TDB			
S89	46	S87 AND @py<="2007"	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/23 15:06
S90	13	(G06Q50/163).cpc. AND (periodic annual) NEAR5 (inspection audit)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2019/10/24 08:02
S91	40	("20010032094" | "20010032135" | "20020035408" | "20020178229" | "20020188845" | "20030055669" | "20030061266" | "20030069716" | "20030074244" | "20030101070" | "20030172087" | "20030177071" | "20040003834" | "20040083165" | "20040128313" | "20040268129" | "20050080702" | "20050149561" | "20050197962" | "20050246213" | "20050273346" | "20060259419" | "20080255871" | "4955405" | "5818737" | "5941034" | "6907304" | "6944770" | "7346519").PN. OR ("7831628").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2020/07/20 11:10
S92	0	(G06Q50/163).cpc. AND (registry) SAME (owned) NEAR5 (asset equipment).ab,bi,bsum.	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 11:18
S93	38	(registry) SAME (owned) NEAR5 (asset equipment).ab,bi,bsum.	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 11:18
S94	1,750	(real$time) SAME (asset equipment) NEAR5 (database repository registry).ab,bi,bsum.	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 11:22
S95	627	(real$time) SAME (inspection) NEAR5 (asset equipment).ab,bi,bsum.	US-PGPUB; USPAT; USOCR;	OR	ON	2020/07/20 11:24

			FPRS; EPO; DERWENT; IBM_TDB			
S96	23	S95 AND (due dead$line) NEAR5 (inspection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 11:25
S97	273	(due dead$line) NEAR5 (inspection) NEAR5 (equipment asset).ab,bi,bsum.	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 11:27
S98	55	(due dead$line) NEAR5 (inspection) NEAR5 (equipment asset).ab,bi,bsum. AND (real$time)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 11:27
S99	4	(due dead$line) NEAR5 (inspection) NEAR5 (equipment asset) SAME (real$time)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 11:29
S100	4	(due deadline) NEAR5 (inspection) NEAR5 (equipment asset) SAME (real$time)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 11:30
S101	0	(due deadline) NEAR5 (inspection) NEAR5 (equipment asset) SAME (checklist check$list)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 11:31
S102	13	(due deadline) NEAR5 (inspection) SAME (checklist check$list)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 11:31
S103	70	(determin$5 identif$7 list$4) NEAR5 (equipment asset appliance) NEAR5 (due require need) NEAR5 (inspection evaluation renew$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	2020/07/20 11:52

			DERWENT; IBM_TDB			
S104	70	(determin$5 identif$7 list$4 checklist check$list) NEAR5 (equipment asset appliance) NEAR5 (due require need) NEAR5 (inspection evaluation renew$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 11:53
S105	88	(determin$5 identif$7 list$4 checklist check$list document form) NEAR5 (equipment asset appliance) NEAR5 (due require need) NEAR5 (inspection evaluation renew$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 11:54
S106	489	(determin$5 identif$7 list$4 checklist check$list document form) SAME (equipment asset appliance) NEAR5 (due deadline require need) NEAR5 (inspection evaluation renew$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 12:01
S107	1,516	(equipment asset appliance) NEAR5 (due deadline require need) NEAR5 (inspection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 12:02
S108	0	(dashboard) SAME (equipment asset appliance) NEAR5 (due deadline require need) NEAR5 (inspection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 12:03
S109	14	(dashboard) SAME (equipment asset appliance) NEAR5 (inspection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 12:04
S110	179	(template) SAME (equipment asset appliance) NEAR5 (inspection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 12:06
S111	1,123	(report$3) SAME (equipment asset appliance) NEAR5 (inspection)	US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	2020/07/20 12:15

			DERWENT; IBM_TDB			
S112	141	S111 AND @py<="2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 12:16
S113	0	(montetary financial) NEAR3 (transaction) SAME (owner) SAME (inspector)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 12:20
S114	5	(monetary financial) NEAR3 (transaction) SAME (owner) SAME (inspector)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 12:21
S115	17	(monetary financial) NEAR3 (transaction) SAME (inspector)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 12:21
S116	1,669	(inspection) NEAR5 (compliance).ab,bi,bsum.	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 12:22
S117	102	(inspection) NEAR5 (compliance).ab,bi,bsum. AND (owner) NEAR5 (equipment asset appliance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 12:23
S118	52	("5321396" | "5926209" | "5844601" | "6317039" | "5552772" | "5752128" | "6225907" | "6609090" | "5878326" | "6332110" | "5893081" | "6771173").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 13:16
S119	20	(inspection maintenance) NEAR5 (compliance).ab,bi,bsum. AND (invoice payment transaction) NEAR5 (owner) NEAR5 (equipment asset appliance)	US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	2020/07/20 13:29

			DERWENT; IBM_TDB			
S120	17	(inspection maintenance) NEAR5 (compliance).ab,bi,bsum. AND (owner) SAME (cost price) NEAR5 (inspection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 13:39
S121	120	(inspection maintenance) NEAR5 (compliance).ab,bi,bsum. AND (qualified certified ranked) NEAR5 (inspector personnel technician provider)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 13:44
S122	38	(inspection maintenance) NEAR5 (compliance).ab,bi,bsum. AND (owner) SAME (qualified certified ranked) NEAR5 (inspector personnel technician provider)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 14:07
S123	448	(owner) SAME (qualified certified ranked) NEAR5 (inspector personnel technician provider professional SAME (cost price) NEAR5 (inspection))	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 14:10
S124	1	(owner) SAME (qualified certified ranked) NEAR5 (inspector personnel technician provider professional) SAME (cost price) NEAR5 (inspection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 14:11
S125	145	(owner) SAME (cost price bid) NEAR5 (inspection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 14:11
S126	273	(owner) SAME (cost price) SAME (detail description) SAME (inspection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 14:19
S127	63	(owner) SAME (fee) NEAR5 (inspection)	US-PGPUB; USPAT; USOCR; FPRS; EPO;	OR	ON	2020/07/20 14:30

			DERWENT; IBM_TDB			
S128	10	(fee) NEAR5 (inspection) NEAR5 (asset equipment appliance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 14:32
S129	35	(fee) NEAR5 (inspection) NEAR5 (owner)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 14:34
S130	80	(fee price cost) NEAR5 (inspection) NEAR5 (owner)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 14:34
S131	79	(fee price cost) NEAR5 (inspection) SAME (overview description detail) NEAR5 (inspection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 14:44
S132	113	(fee price cost estimate) NEAR5 (inspection) SAME (overview description detail) NEAR5 (inspection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 14:45
S133	133	(fee price cost estimate) NEAR5 (inspection) SAME (overview description detail summary) NEAR5 (inspection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 14:45
S134	3	(quote) NEAR5 (inspection) SAME (overview description detail summary) NEAR5 (inspection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 14:55
S135	17	("20080114655" | "20030177071" | "20060184381" | "20060253293" | "20020049624" | "20050283401" | "20030040934").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO;	OR	ON	2020/07/20 14:56

			DERWENT; IBM_TDB			
S136	0	(quote) NEAR5 (inspection) SAME (owner)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 14:59
S137	24	(quote estimate) NEAR5 (inspection) SAME (owner)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 14:59
S138	63	(fee) NEAR5 (inspection) SAME (owner)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT; IBM_TDB	OR	ON	2020/07/20 15:01
S139	464	(fire) NEAR3 (hydrant) AND (water) NEAR5 (test assessment examination quality evaluation)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/07/21 09:05
S140	542	(fire) NEAR3 (hydrant) AND (water) NEAR5 (test assessment examination quality evaluation inspection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/07/21 09:05
S141	34	(fire) NEAR3 (hydrant) AND (report$3) SAME (water) NEAR5 (test assessment examination quality evaluation inspection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/07/21 09:06
S142	64	(fire) NEAR3 (hydrant) AND (report$3) SAME (compliance)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2020/07/21 09:08

S146	683	(fire) NEAR5 (hydrant) NEAR5 (software app application platform portal website webpage registry management maintenance).ab,bi,bsum.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/03 10:56
S147	12	(fire) NEAR5 (hydrant) NEAR5 (software app application platform portal website webpage registry management maintenance).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/03 10:56
S148	140	(fire) NEAR5 (hydrant) SAME (asset).ab,bi,bsum,clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/03 11:03
S149	38	(G06Q10/06313 or G06Q10/20).cpc. AND (fire) NEAR5 (hydrant)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/05/03 11:09

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S143	45	(G06Q50/163).cpc. AND (owner) SAME (inspector)	US-PGPUB; USPAT	OR	ON	2020/07/28 09:40
S144	14	(fire) NEAR3 (hydrant) SAME (compliance).ab,bi,bsum.	US-PGPUB; USPAT	OR	ON	2020/07/28 09:42
S145	15	(fire) NEAR3 (hydrant) AND (due dead$line) NEAR5 (compliance inspection)	US-PGPUB; USPAT	OR	ON	2020/07/28 09:44
S150	48,507	(G06Q10/10).cpc.	US-PGPUB; USPAT	OR	ON	2021/05/03 09:44
S151	33	S150 AND (fire) NEAR5 (hydrant).ab,bi,bsum.	US-PGPUB; USPAT	OR	ON	2021/05/03 09:45

S152	4,837	(fire) NEAR5 (hydrant).ab,bi,bsum.	US-PGPUB; USPAT	OR	ON	2021/05/03 09:47
S153	220	S152 AND (standard common uniform) NEAR5 (format)	US-PGPUB; USPAT	OR	ON	2021/05/03 09:48
S154	0	S152 AND (standard common uniform) NEAR5 (format) WITH (inspection audit check) ADJ (list form)	US-PGPUB; USPAT	OR	ON	2021/05/03 09:49
S155	14	S152 AND (inspection audit check) ADJ (list form)	US-PGPUB; USPAT	OR	ON	2021/05/03 09:58
S156	5	(fire) NEAR5 (hydrant) NEAR5 (software app application platform).clm.	US-PGPUB; USPAT	OR	ON	2021/05/03 10:24
S157	109	(fire) NEAR5 (hydrant) NEAR5 (software app application platform portal website webpage registry).ab,bi,bsum.	US-PGPUB; USPAT	OR	ON	2021/05/03 10:26
S158	26	(fire) NEAR5 (hydrant) NEAR5 (inspection audit compliance adherence).ab,bi,bsum.	US-PGPUB; USPAT	OR	ON	2021/05/03 10:30
S159	163	(fire) NEAR5 (hydrant) NEAR5 (software app application platform portal website webpage registry management maintenance).ab,bi,bsum.	US-PGPUB; USPAT	OR	ON	2021/05/03 10:37
S160	0	(G06Q10/06313 or G06Q10/20).cpc. AND (fire) NEAR5 (hydrant) NEAR5 (software platform application app portal)	US-PGPUB; USPAT	OR	ON	2021/05/03 11:12
S161	119	(fire) NEAR5 (hydrant) NEAR5 (software platform application app portal)	US-PGPUB; USPAT	OR	ON	2021/05/03 11:12

5/3/2021 3:37:20 PM
C:\Users\epratt\Documents\EAST\Workspaces\12011202 - Systems and Methods for a Web based inspection compliance registry and communication tool.wsp

Main Concept Document

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US20090157521

Title: Systems and methods for a web based inspection compliance registry and communication tool

Concept Modifiers (1)

==========

1. More Like Text: granting remote access, by a computer-based system, to the web-based registry, wherein the web registry is managed by fire hydrant management software, to at least three classes of user, wherein the three classes of user comprise: (1) an owner of an asset (2) an approval authority (3) an inspector

Filters (1)

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Publication Date: To 2007-01-23

Options

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De-dup: None

Cut-off: None

Sort: Relevance

Content: Non-Patent Literature (24)

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IEEE Xplore Publications: IEEE Periodicals

IEEE Xplore Publications: IEEE Conferences

IEEE Xplore Publications: IEEE Standards

IEEE Xplore Publications: IEEE Early Access

IEEE Xplore Publications: SMPTE Periodicals

IEEE Xplore Publications: SMPTE Conferences

IEEE Xplore Publications: SMPTE Standards

IEEE Xplore Publications: MIT Press eBooks

IEEE Xplore Publications: Wiley-IEEE eBooks

IEEE Xplore Publications: IBM Periodicals

IEEE Xplore Publications: URSI Periodicals

IEEE Xplore Publications: VDE Conferences

IEEE Xplore Publications: Periodicals from China

IP.com Prior Art Database: The IP.com Journal

IP.com Prior Art Database: Internet Society RFC

IP.com Prior Art Database: IBM TDB Archive

IP.com Prior Art Database: Legacy Journals

IP.com Prior Art Database: Software Patent Institute

OnePetro.org: Periodicals at OnePetro.org

OnePetro.org: Conferences at OnePetro.org

OnePetro.org: Standards at OnePetro.org

Other Literature: IBM Redbooks

Other Literature: PubMed Central

Other Literature: arXiv.org

Bibliographic Data

Application No: 12/011,202

Foreign Priority claimed: ○ Yes ◉ No

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

Verified and Acknowledged: Ehrin Pratt (Examiner's Signature) | (Initials)

Title: Systems and methods for a web based inspection compliance registry and communication tool

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FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
01/23/2008	705	3629	220867-1000-100
RULE			

APPLICANTS

INVENTORS

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Robert Moren, Gig Harbor, WA, UNITED STATES

CONTINUING DATA

This application has PRO of 60981784 10/22/2007

This application has PRO of 60981091 10/18/2007

This application has PRO of 60977870 10/05/2007

This application has PRO of 60886269 01/23/2007

FOREIGN APPLICATIONS

IF REQUIRED, FOREIGN LICENSE GRANTED**

02/15/2008

** SMALL ENTITY **

STATE OR COUNTRY

UNITED STATES

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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
12/011,202	01/23/2008	3629	1120	220867-1000-100	20	4

CONFIRMATION NO. 7547

CORRECTED FILING RECEIPT

16579
Foster Garvey PC
1111 Third Avenue, Suite 3000
Seattle, WA 98101-3296

OC000000123843288

Date Mailed: 05/25/2021

Receipt is acknowledged of this non-provisional utility 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 FIRST INVENTOR, 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 corrected Filing Receipt, including a properly marked-up ADS showing the changes with strike-through for deletions and underlining for additions. If you received a "Notice to File Missing Parts" or other Notice requiring a response for this application, please submit any request for correction 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 provided that the request is grantable.

Inventor(s)

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Robert Moren, Gig Harbor, WA;

Applicant(s)

Andrew Moren, Gig Harbor, WA;
Robert Moren, Gig Harbor, WA;

Power of Attorney: The patent practitioners associated with Customer Number 16579

Domestic Priority data as claimed by applicant

This appln claims benefit of 60/886,269 01/23/2007
and claims benefit of 60/977,870 10/05/2007
and claims benefit of 60/981,091 10/18/2007
and claims benefit of 60/981,784 10/22/2007
and claims benefit of 60/969,905 09/04/2007
and claims benefit of 60/981,782 10/22/2007

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

Permission to Access Application via Priority Document Exchange: No

BRYCER
Exhibit 1002
Page 663 of 709

Permission to Access Search Results: No

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

If Required, Foreign Filing License Granted: 02/15/2008
The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 12/011,202**
Projected Publication Date: Not Applicable
Non-Publication Request: No
Early Publication Request: No
**** SMALL ENTITY ****
Title

Systems and methods for a web based inspection compliance registry and communication tool

Preliminary Class

705

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,

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Page 664 of 709

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).

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

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

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Page 666 of 709

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Seattle, WA 98101-3296

Courtesy Reminder for
Application Serial No: 12/011,202

Attorney Docket No: 220867-1000-100
Customer Number: 16579
Date of Electronic Notification: 05/18/2021

This is a courtesy reminder that new correspondence is available for this application. If you have not done so already, please review the correspondence. The official date of notification of the outgoing correspondence will be indicated on the form PTOL-90 accompanying the correspondence.

An email notification regarding the correspondence was sent to the following email address(es) associated with your customer number:
kristine.springer@foster.com
patents@foster.com

To view your correspondence online or update your email addresses, please visit us anytime at **https://ppair-my.uspto.gov/pair/PrivatePair.**
If you have any questions, please email the Electronic Business Center (EBC) at EBC@uspto.gov or call 1-866-217-9197.

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)

16539 7890 05/18/2021
Foster Garvey PC
1111 Third Avenue, Suite 3000
Seattle, WA 98101-3296

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.

Myla Kent	(Typed or printed name)
/Myla Kent/	(Signature)
18 August 2021	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/011,202	01/23/2008	Andrew Moren	220867-1000-100	7547

TITLE OF INVENTION: Systems and methods for a web based inspection compliance registry and communication tool

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	$600	$0.00	$0.00	$600	08/18/2021

EXAMINER	ART UNIT	CLASS-SUBCLASS
PRATT, EBRIN LARMONT	3629	705-314000

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 Richard T. Black
2 FOSTER GARVEY PC
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: TEGRIS, INC.

(B) RESIDENCE: (CITY and STATE OR COUNTRY): GIG HARBOR, WASHINGTON, UNITED STATES

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. 061629

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 /Richard Thomas Black/ Date 18 August 2021
Typed or printed name Richard Thomas Black Registration No. 40513

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Electronic Patent Application Fee Transmittal

Application Number:	12011202
Filing Date:	23-Jan-2008
Title of Invention:	Systems and methods for a web based inspection compliance registry and communication tool
First Named Inventor/Applicant Name:	Andrew Moren
Filer:	Richard Thomas Black/Myla Kent
Attorney Docket Number:	220867-1000-100

Filed as Small Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
UTILITY APPL ISSUE FEE	2501	1	600	600

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

Electronic Acknowledgement Receipt

EFS ID:	43542401
Application Number:	12011202
International Application Number:	
Confirmation Number:	7547
Title of Invention:	Systems and methods for a web based inspection compliance registry and communication tool
First Named Inventor/Applicant Name:	Andrew Moren
Customer Number:	16579
Filer:	Richard Thomas Black/Myla Kent
Filer Authorized By:	Richard Thomas Black
Attorney Docket Number:	220867-1000-100
Receipt Date:	18-AUG-2021
Filing Date:	23-JAN-2008
Time Stamp:	15:13:31
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	$600
RAM confirmation Number	E20218HF14274657
Deposit Account	061629
Authorized User	Myla Kent

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

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

37 CFR 1.17 (Patent application and reexamination processing fees)

37 CFR 1.19 (Document supply fees)

37 CFR 1.20 (Post Issuance fees)

37 CFR 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Issue Fee Payment (PTO-85B)	220867-1000PTOL85.pdf	386810 e8c09522d1d4e023626fef21baad32eb90bdfb07	no	1
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	37943 a6f00ccf4f1f45f0dbe65a64784e226b7564f43a	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	424753		

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.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/011,202	09/21/2021	11126966	220867-1000-100	7547

16579 7590 09/01/2021

Foster Garvey PC
1111 Third Avenue, Suite 3000
Seattle, WA 98101-3296

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 1138 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

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

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

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

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

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

AO 120 (Rev. 08/10)

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

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

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

DOCKET NO.	DATE FILED	U.S. DISTRICT COURT
22cv5741	10/19/2022	Northern District of Illinois/Eastern Division

PLAINTIFF	DEFENDANT
Tegris, Inc.	Bryce, LLC, Brycer Management, Inc.

PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1 See Attached		
2		
3		
4		
5		

In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY ☐ Amendment ☐ Answer ☐ Cross Bill ☐ Other Pleading	
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1		
2		
3		
4		
5		

In the above—entitled case, the following decision has been rendered or judgement issued:

DECISION/JUDGEMENT

CLERK	(BY) DEPUTY CLERK	DATE
Thomas G. Bruton	David Jozwiak	10/20/2022

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

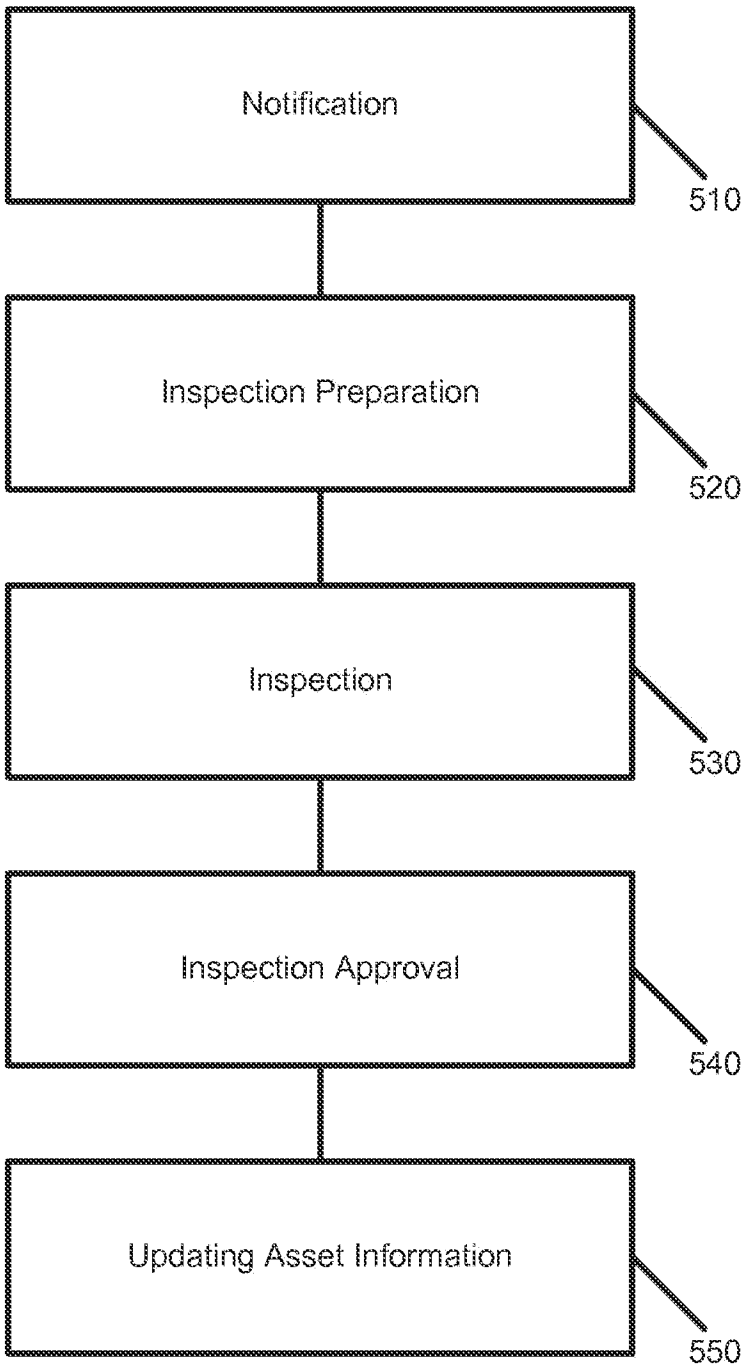

Notification
510
Inspection Preparation
520
Inspection
530
Inspection Approval
540
Updating Asset Information
550

Fig. 5

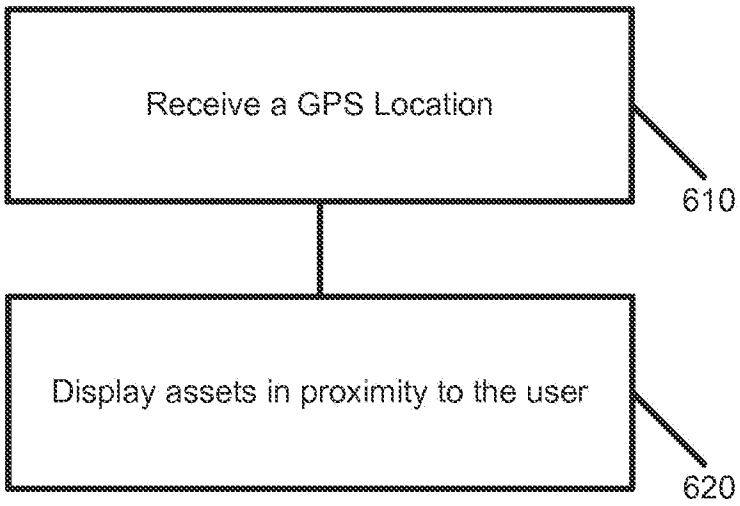

Receive a GPS Location
610
Display assets in proximity to the user
620

Fig. 6

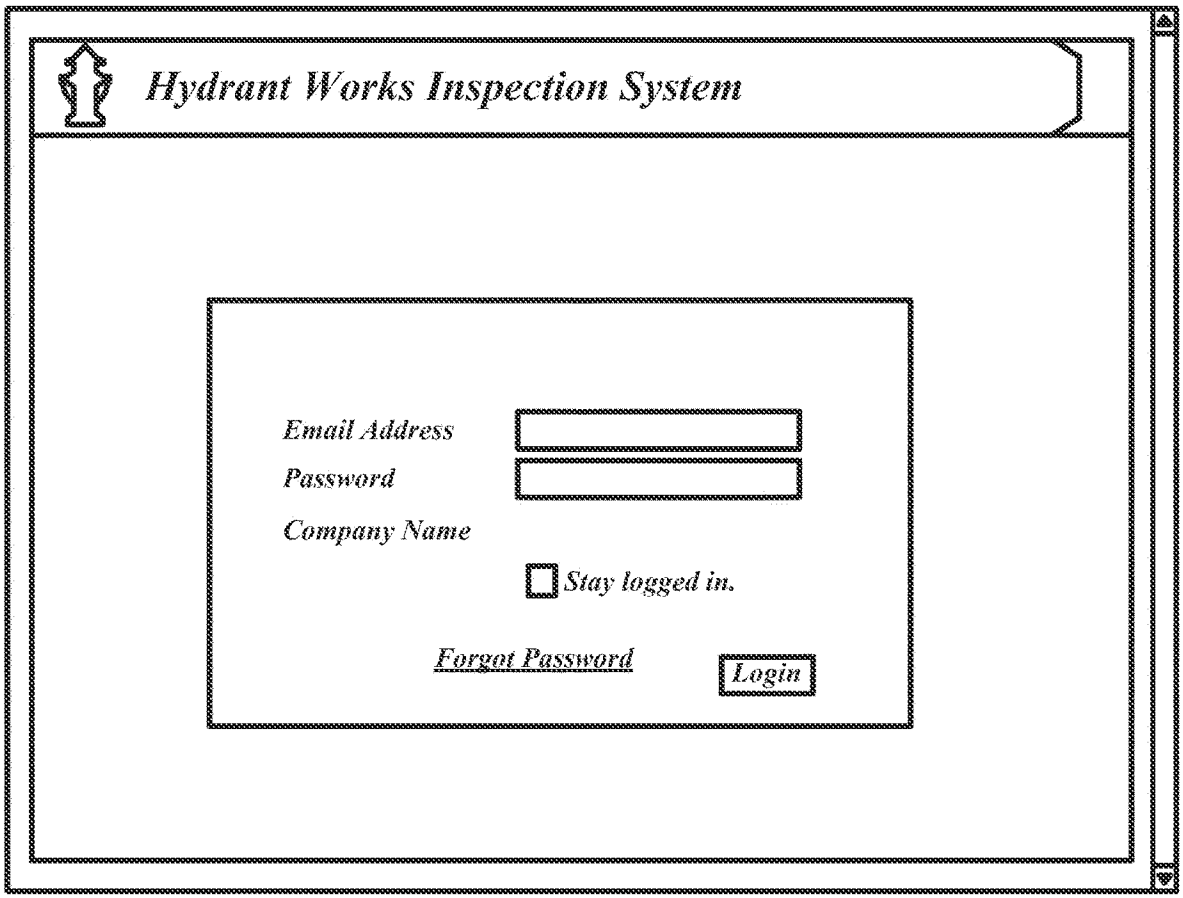

Hydrant Works Inspection System
Email Address
Password
Company Name
Stay logged in.
Forgot Password
Login

Fig. 7

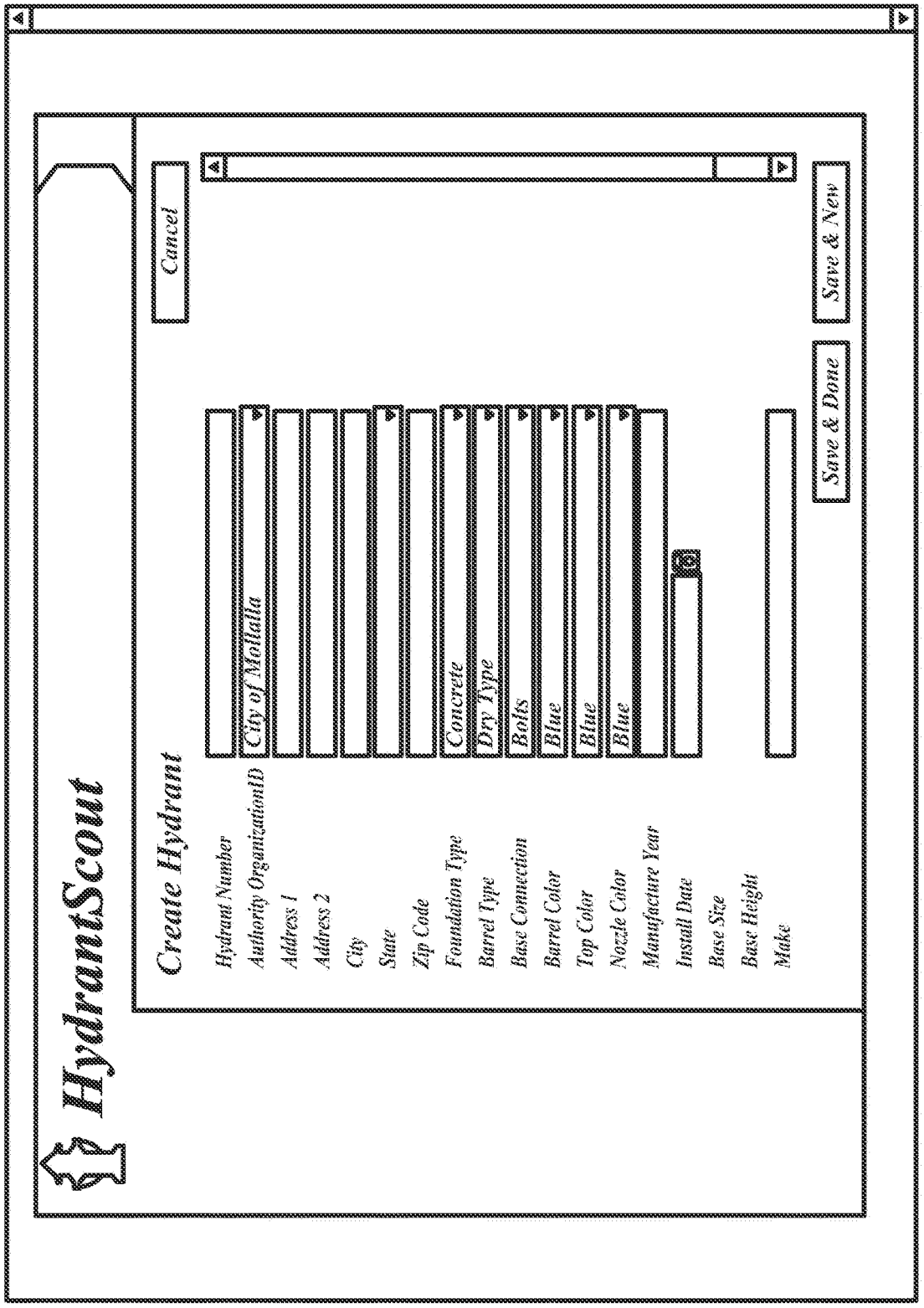


Fig. 8

Case: 1:22-cv-05741 Document #: 1-1 Filed: 10/19/22 Page 12 of 35 PageID #:27

Case: 1:22-cv-05741 Document #: 1-1 Filed: 10/19/22 Page 13 of 35 PageID #:28

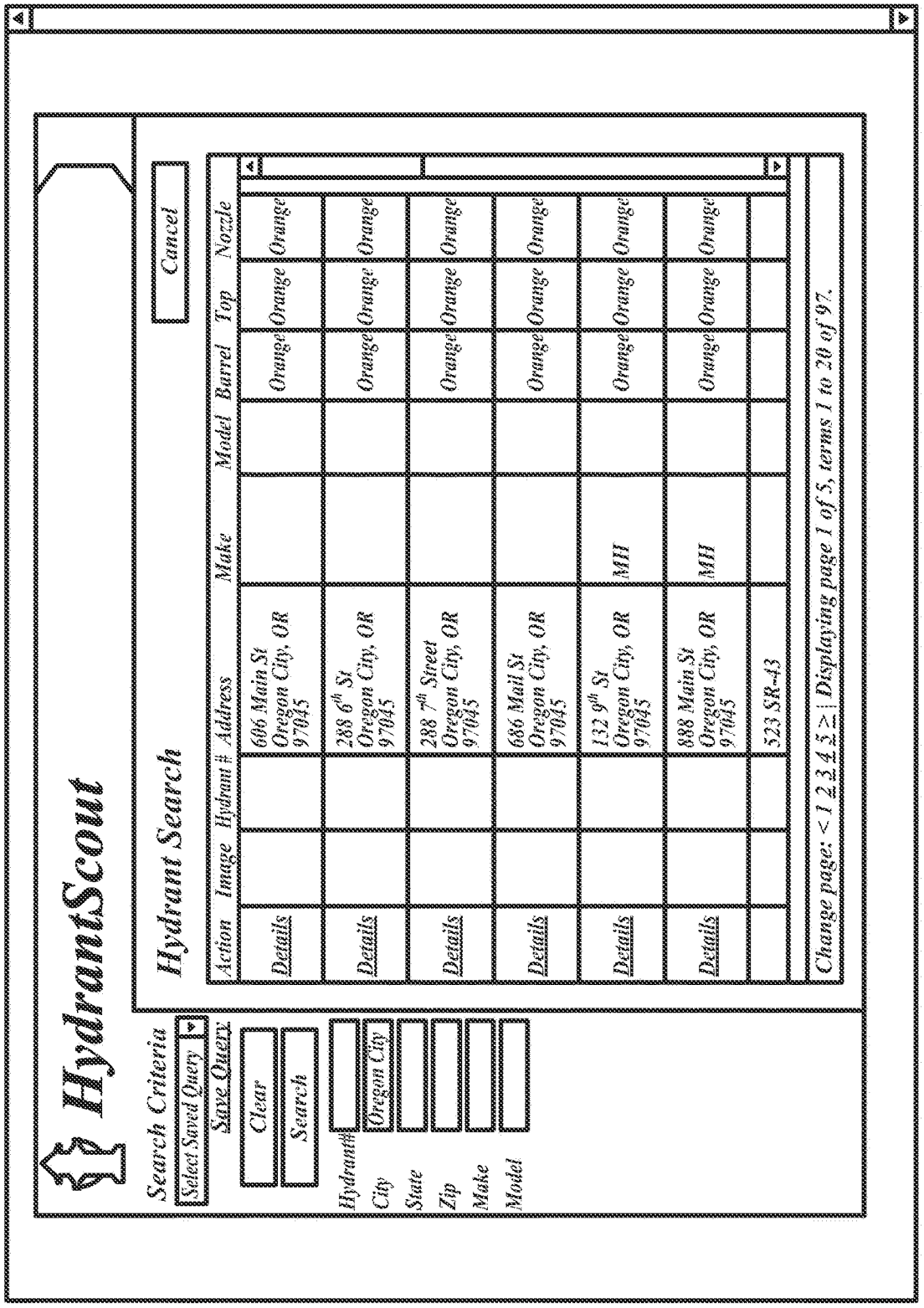


Fig. 9

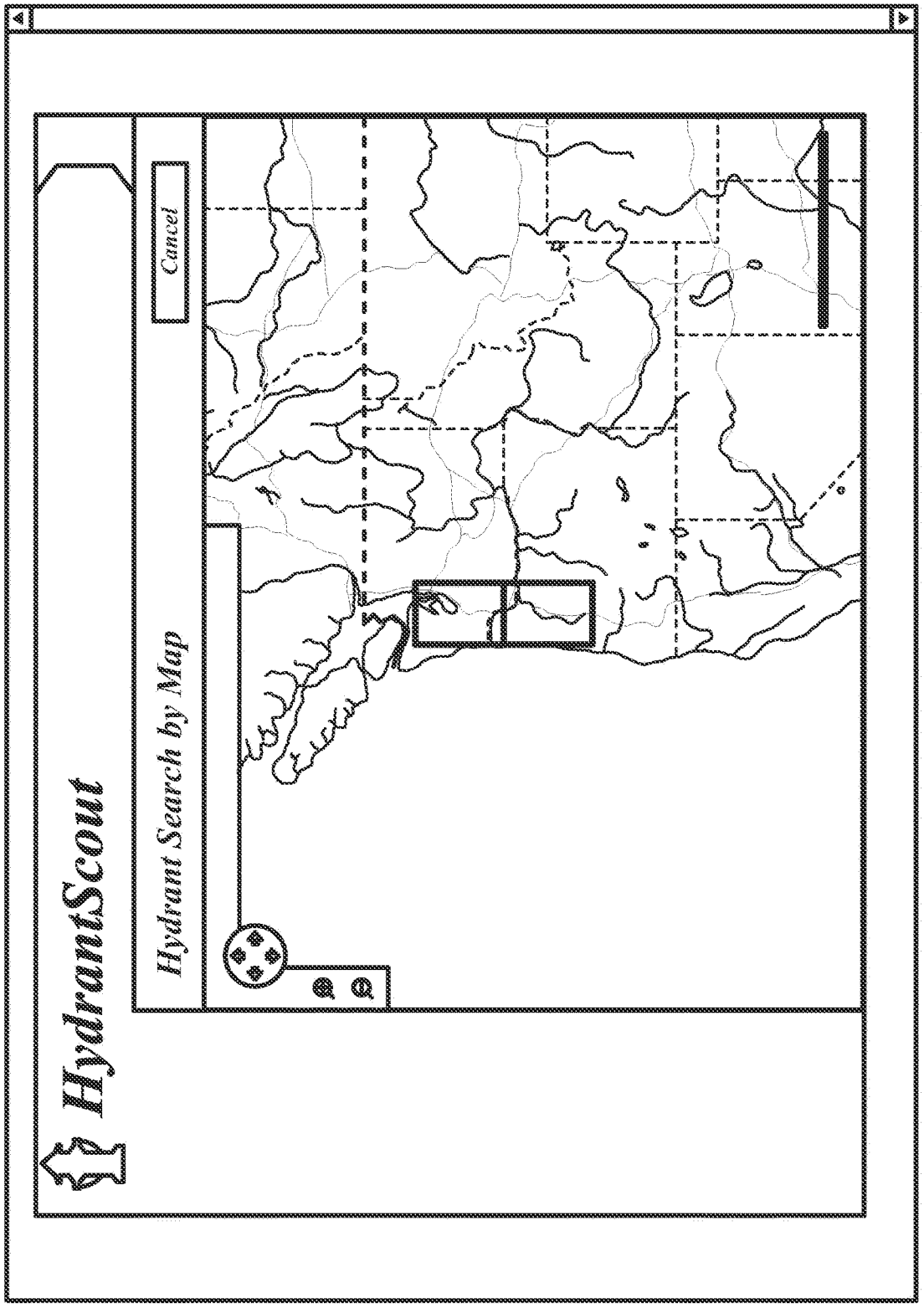


Fig. 10

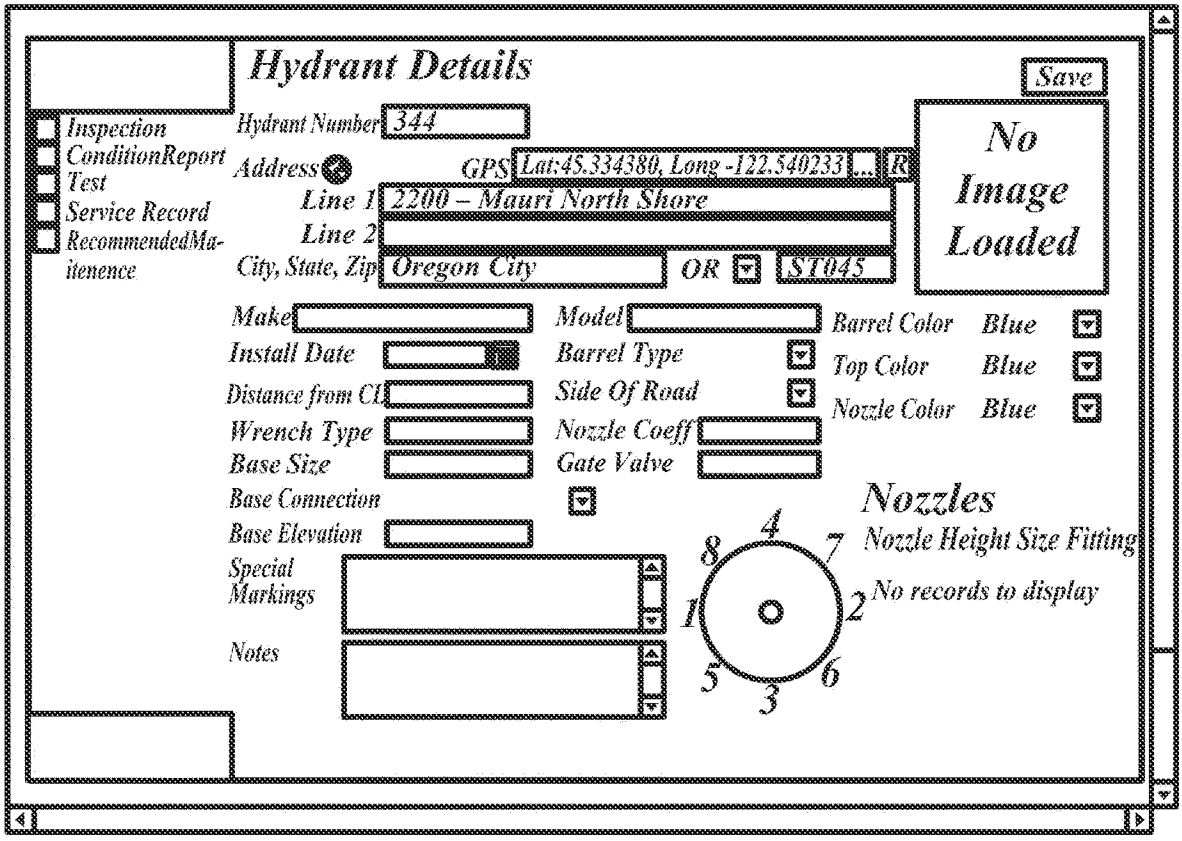

Hydrant Details
Save
Inspection
ConditionReport
Test
Service Record
RecommendedMa-
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Hydrant Number 344
Address
GPS Lat:45.334380, Long -122.540233
R
Line 1 2200 – Mauri North Shore
Line 2
City, State, Zip Oregon City
OR
ST045
No Image Loaded
Make
Model
Barrel Color Blue
Install Date
Barrel Type
Top Color Blue
Distance from CL
Side Of Road
Nozzle Color Blue
Wrench Type
Nozzle Coeff
Base Size
Gate Valve
Base Connection
Base Elevation
Special Markings
Notes
Nozzles
Nozzle Height Size Fitting
No records to display
1
2
3
4
5
6
7
8

Fig. 11

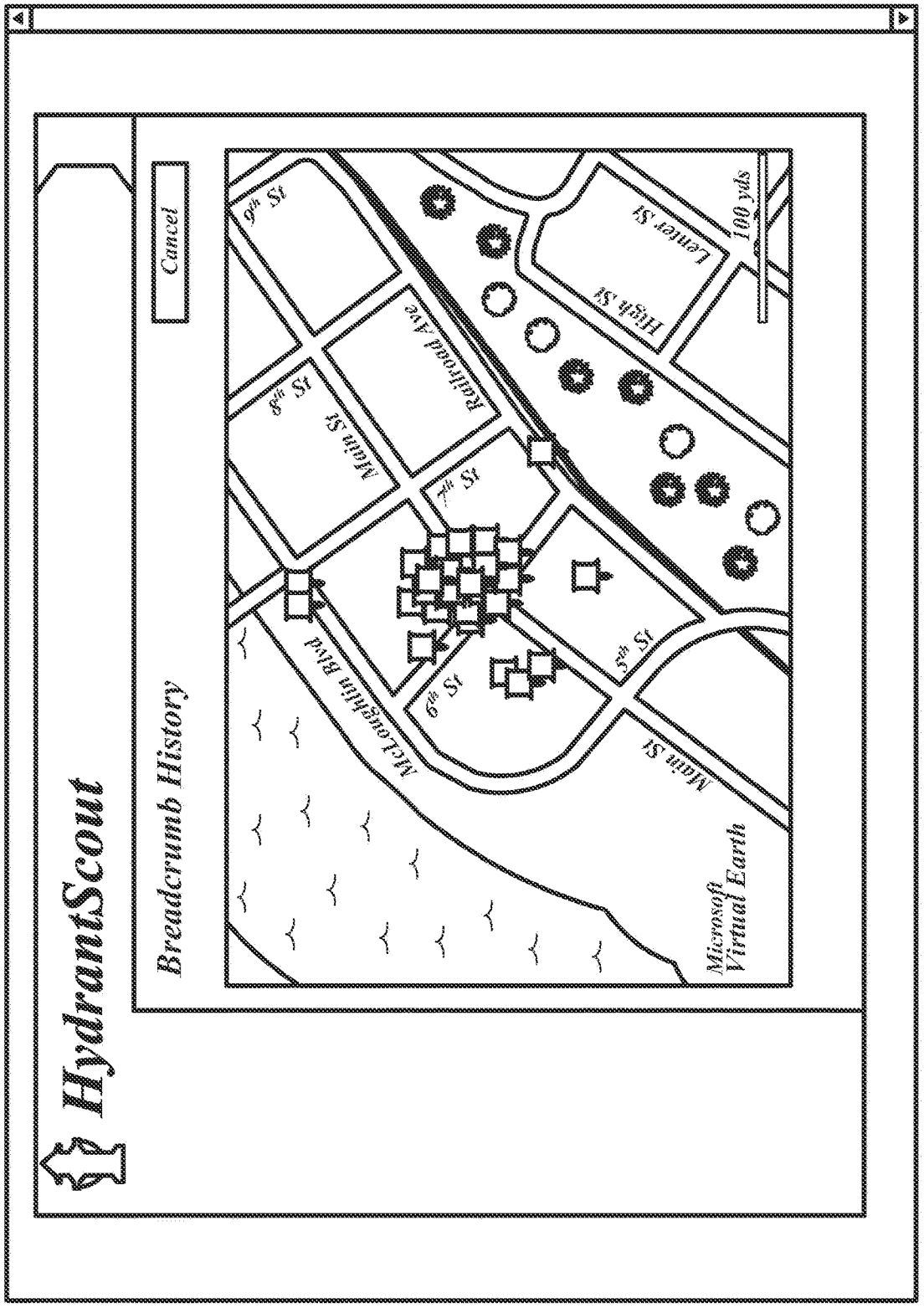

HydrantScout
Cancel
Breadcrumb History
9th St
Railroad Ave
Main St
8th St
7th St
McLaughlin Blvd
6th St
5th St
Main St
Center St
High St
100 yds
Microsoft
Virtual Earth

Fig. 12

Case: 1:22-cv-05741 Document #: 1-1 Filed: 10/19/22 Page 17 of 35 PageID #:32

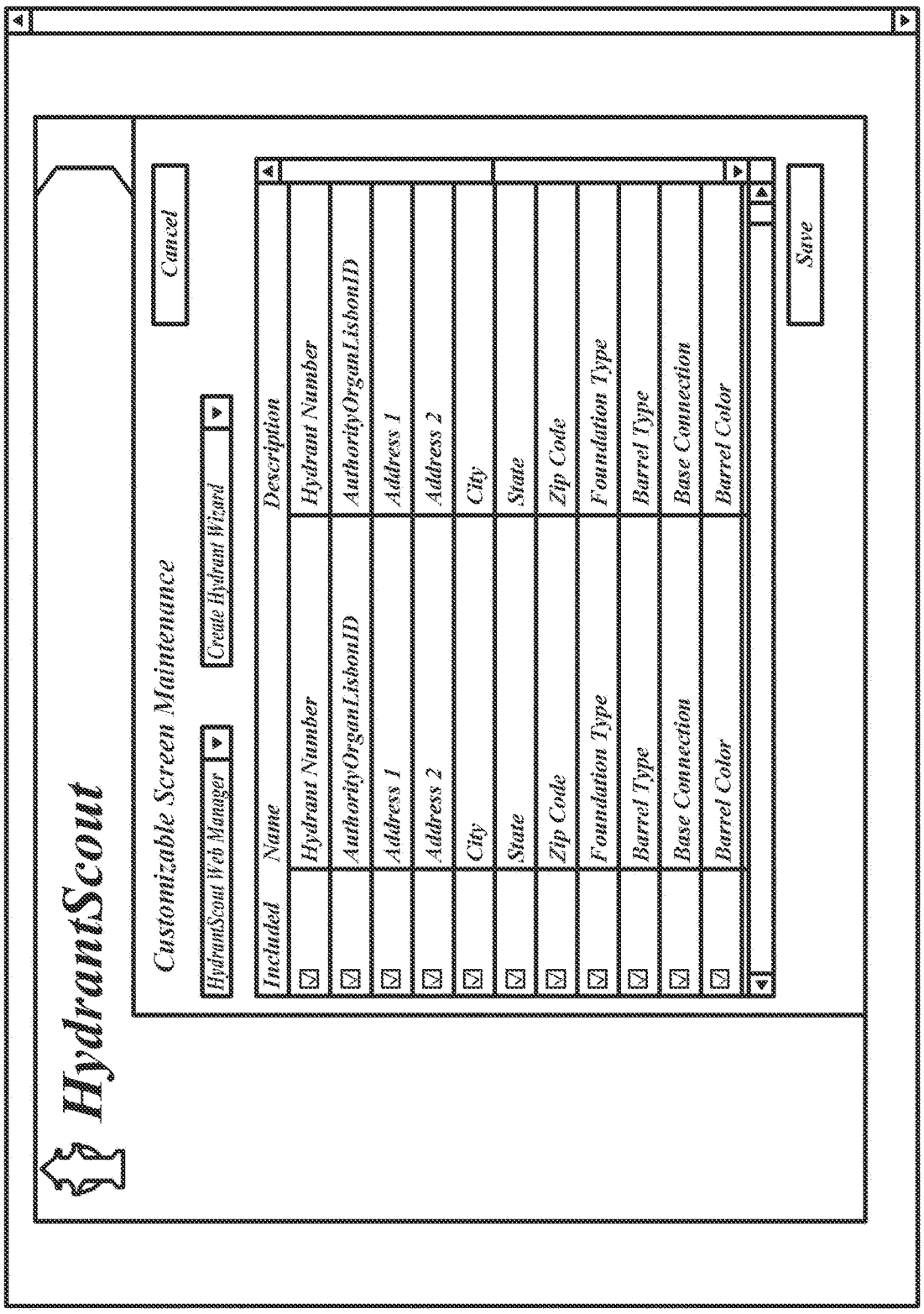


Fig. 13

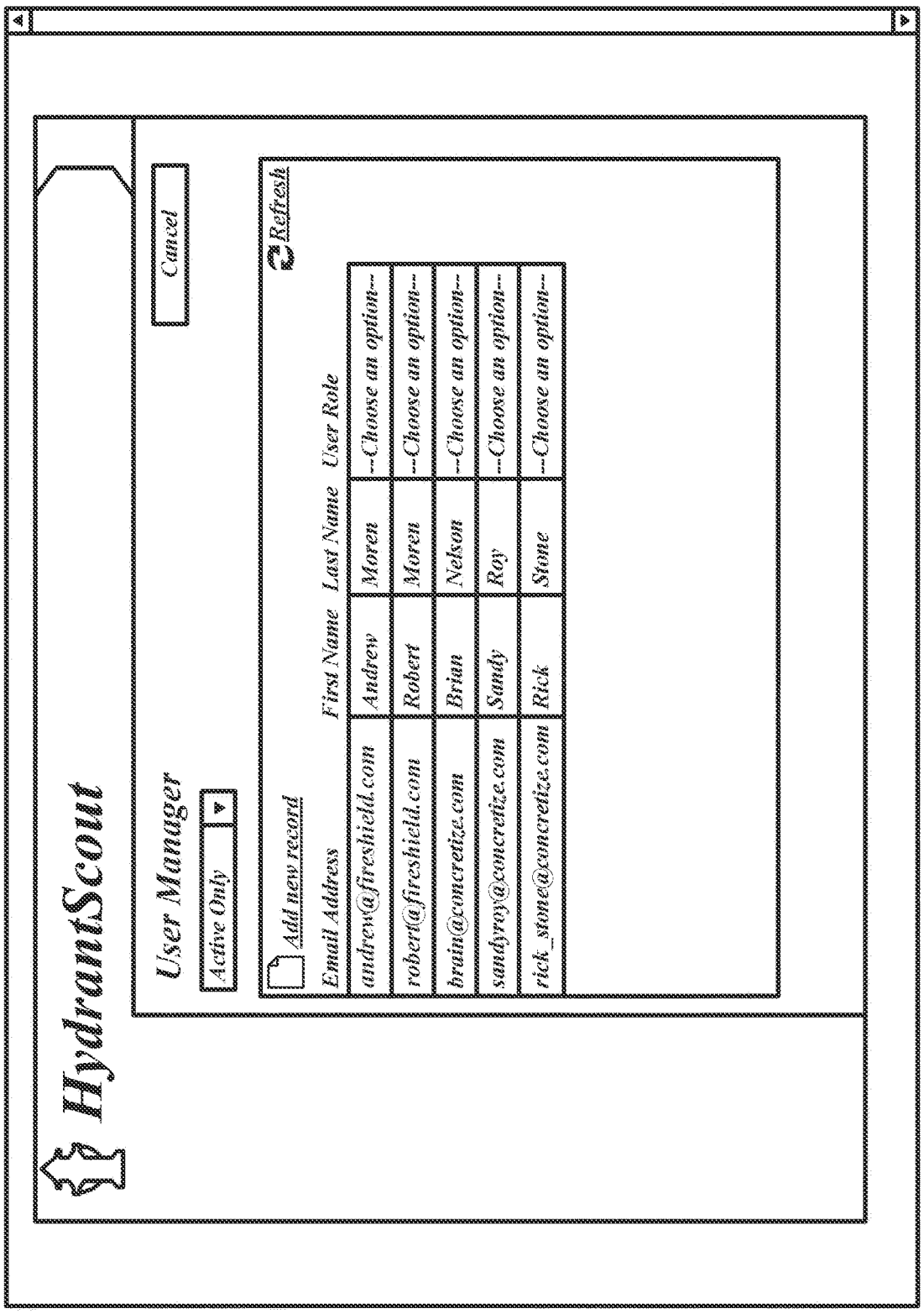


Fig. 14

Case: 1:22-cv-05741 Document #: 1-1 Filed: 10/19/22 Page 18 of 35 PageID #:33

EXHIBIT 1

U.S. Patent 11,126,966

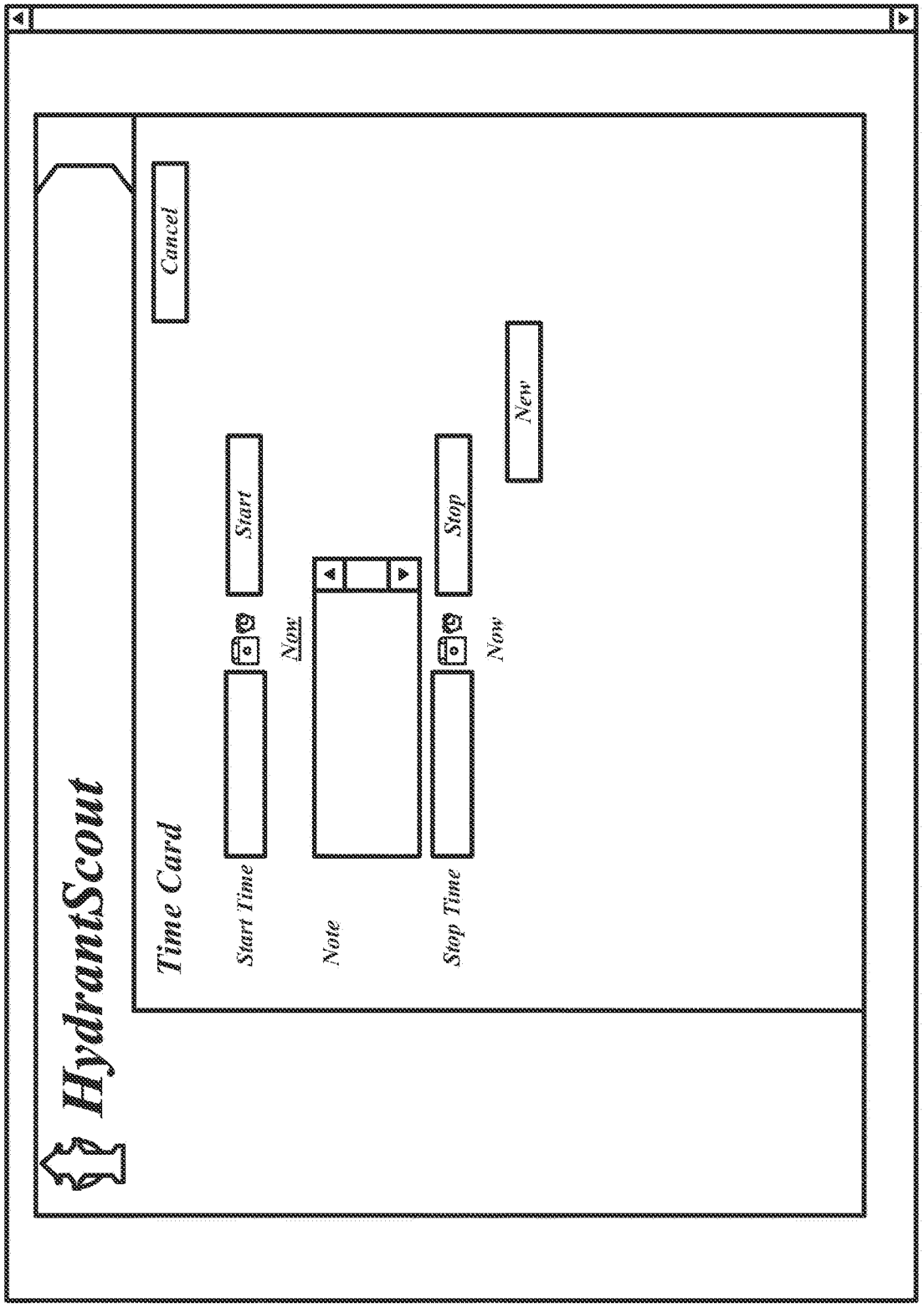

HydrantScout
Cancel
Time Card
Start Time
Start
Now
Note
Stop Time
Stop
Now
New

Fig. 15

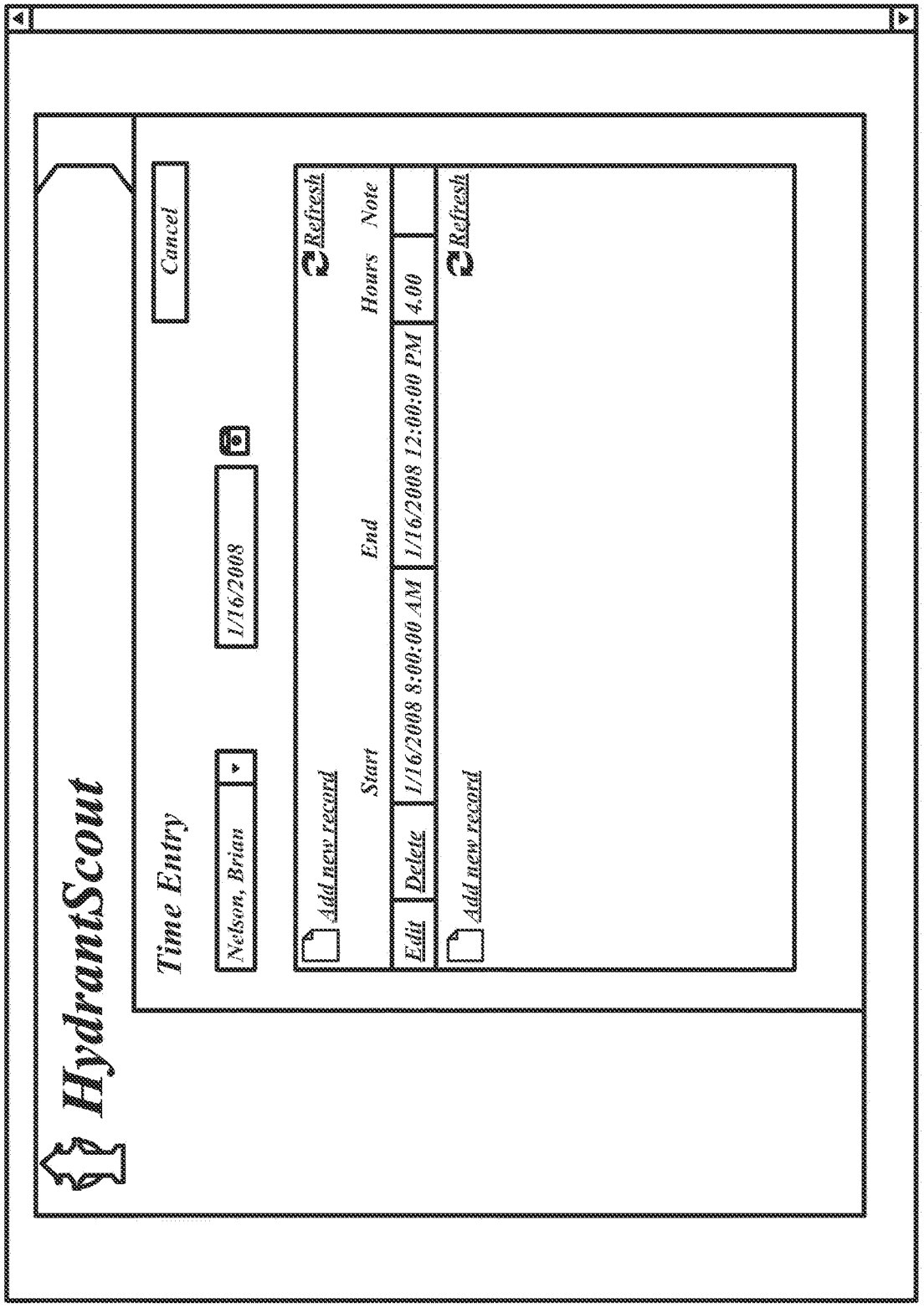


Fig. 16

Case: 1:22-cv-05741 Document #: 1-1 Filed: 10/19/22 Page 20 of 35 PageID #:35

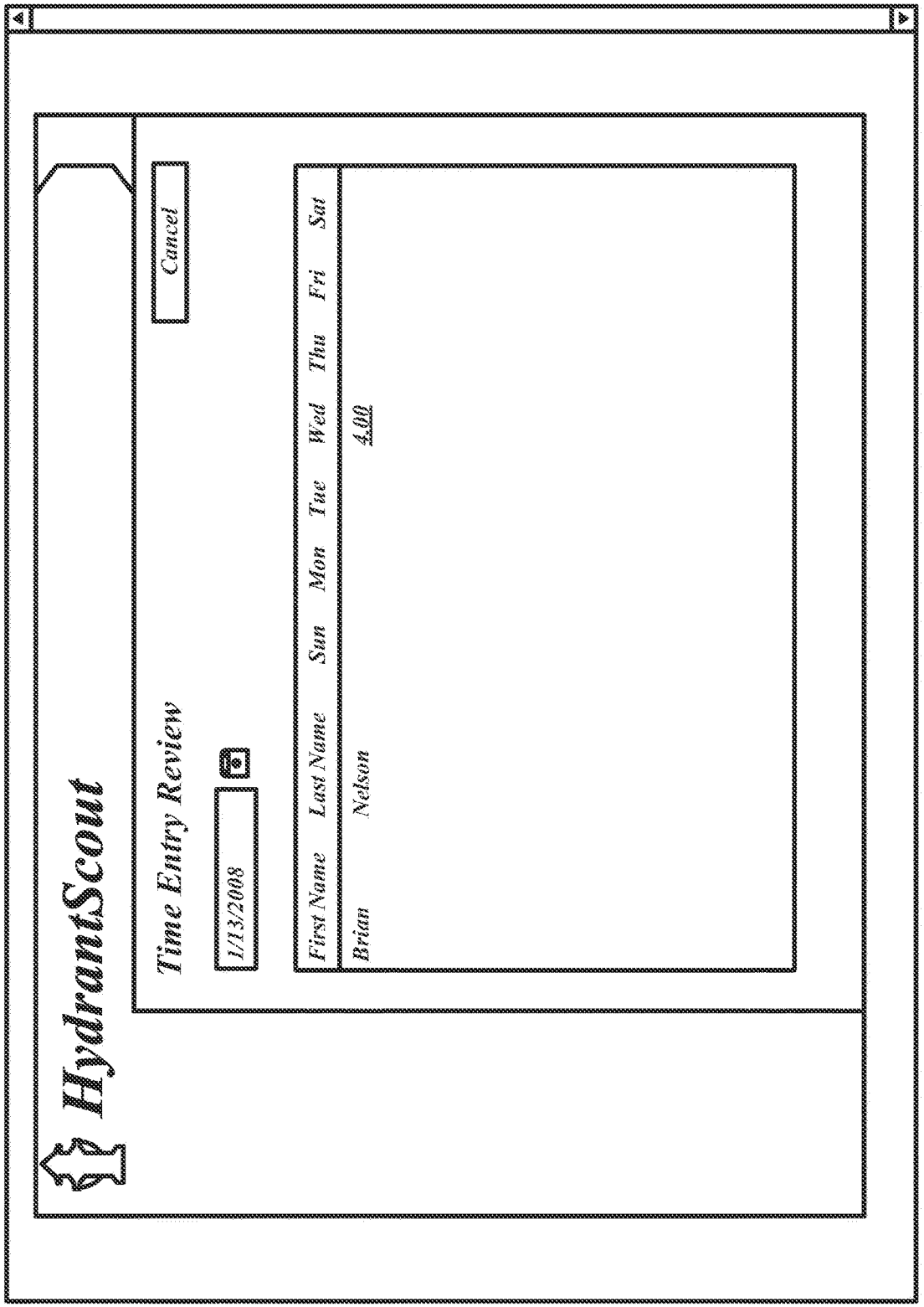


Fig. 17

Case: 1:22-cv-05741 Document #: 1-1 Filed: 10/19/22 Page 21 of 35 PageID #:36

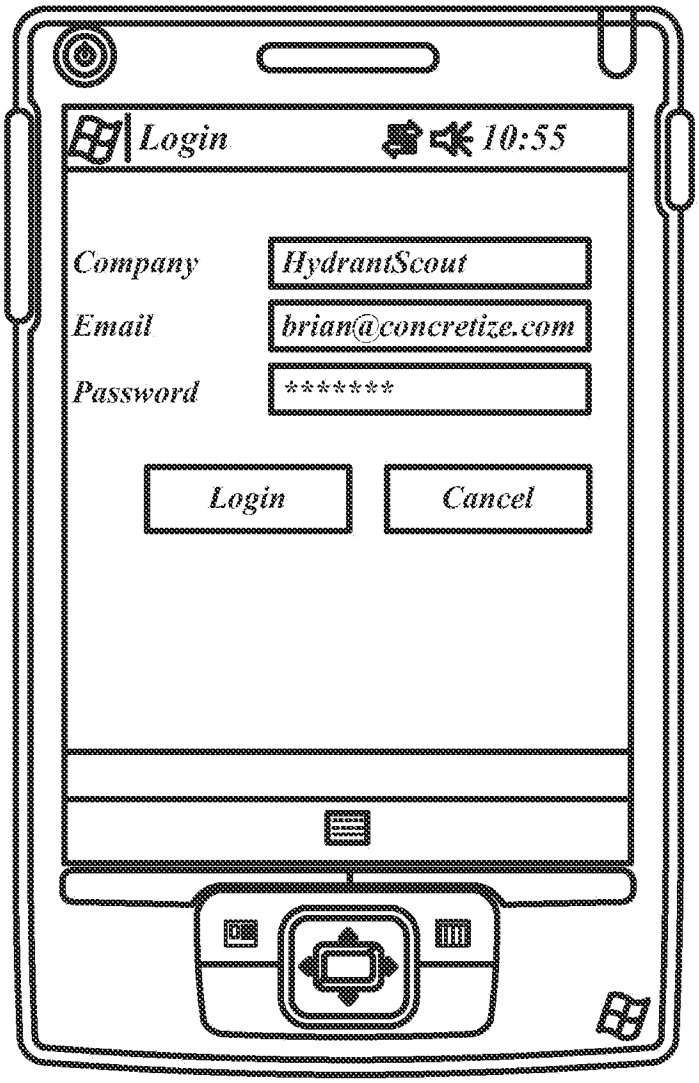

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brian@concretize.com
Password
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Login
Cancel

Fig. 18

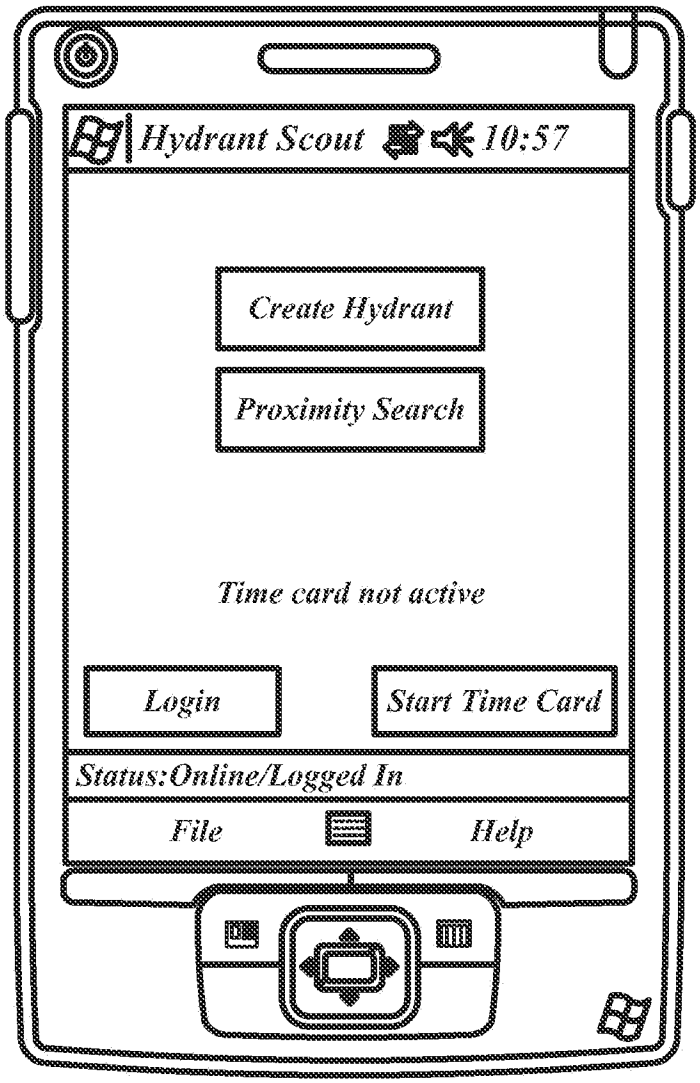

Hydrant Scout
10:57
Create Hydrant
Proximity Search
Time card not active
Login
Start Time Card
Status:Online/Logged In
File
Help

Fig. 19

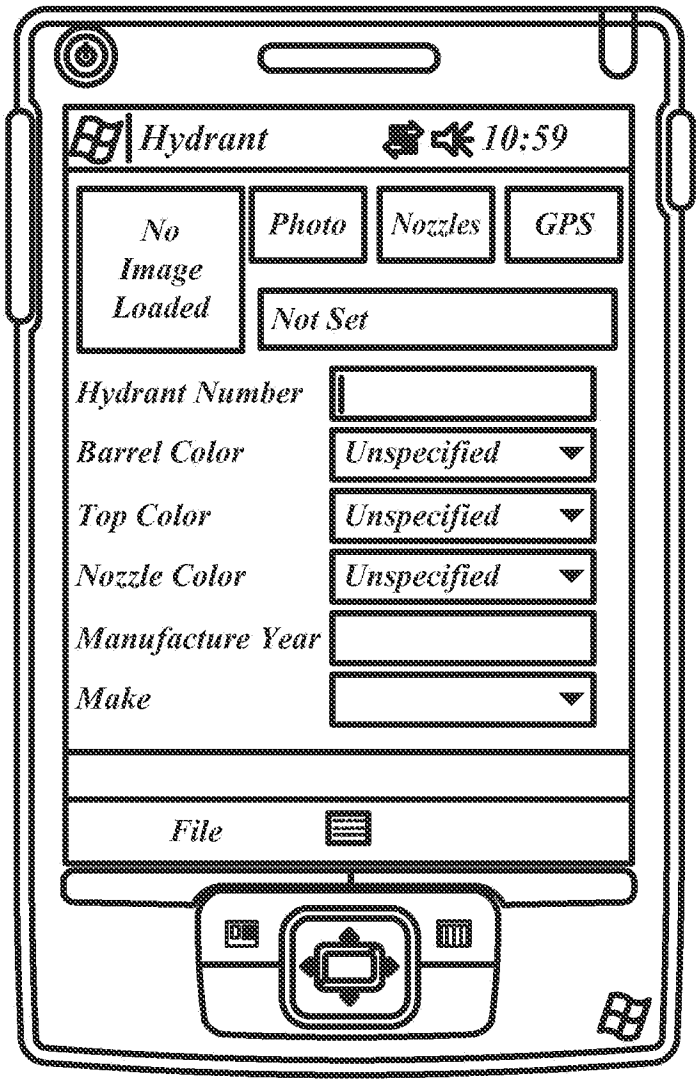

Hydrant
10:59
No Image Loaded
Photo
Nozzles
GPS
Not Set
Hydrant Number
Barrel Color
Unspecified
Top Color
Unspecified
Nozzle Color
Unspecified
Manufacture Year
Make
File

Fig. 20

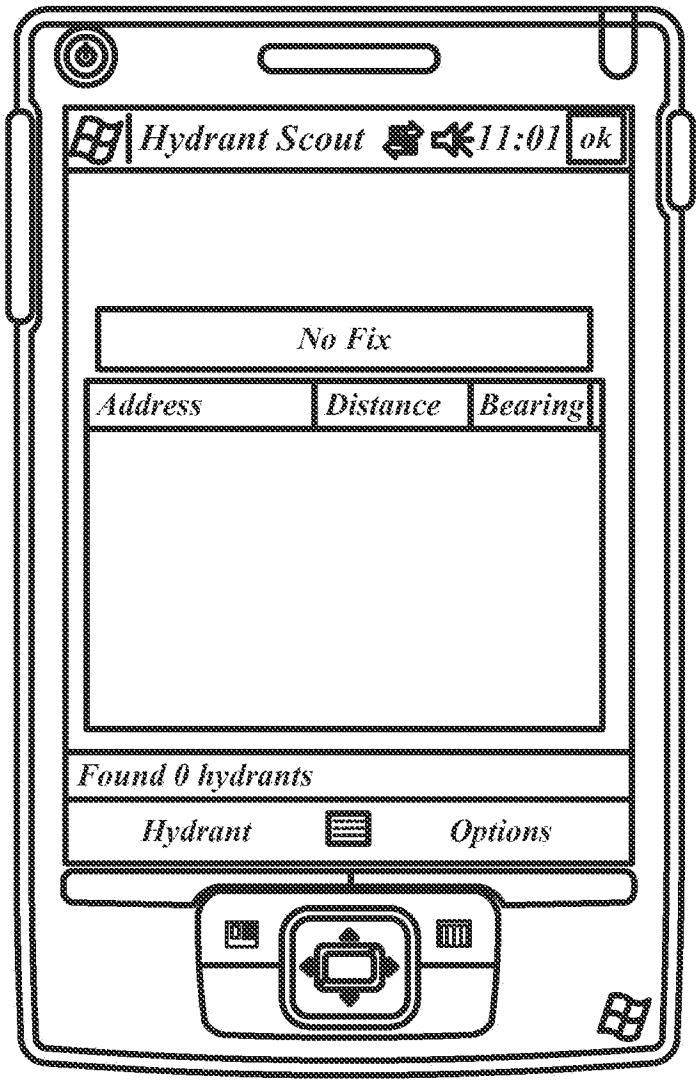

Hydrant Scout
11:01
ok
No Fix
Address
Distance
Bearing
Found 0 hydrants
Hydrant
Options

Fig. 21

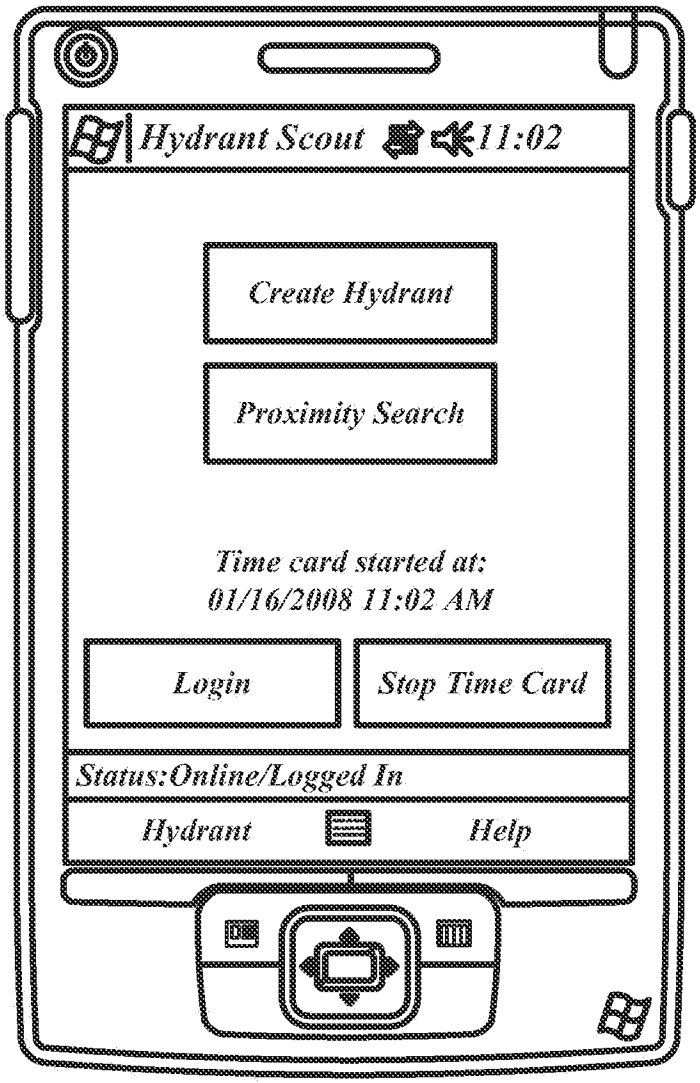

Hydrant Scout
11:02
Create Hydrant
Proximity Search
Time card started at:
01/16/2008 11:02 AM
Login
Stop Time Card
Status:Online/Logged In
Hydrant
Help

Fig. 22

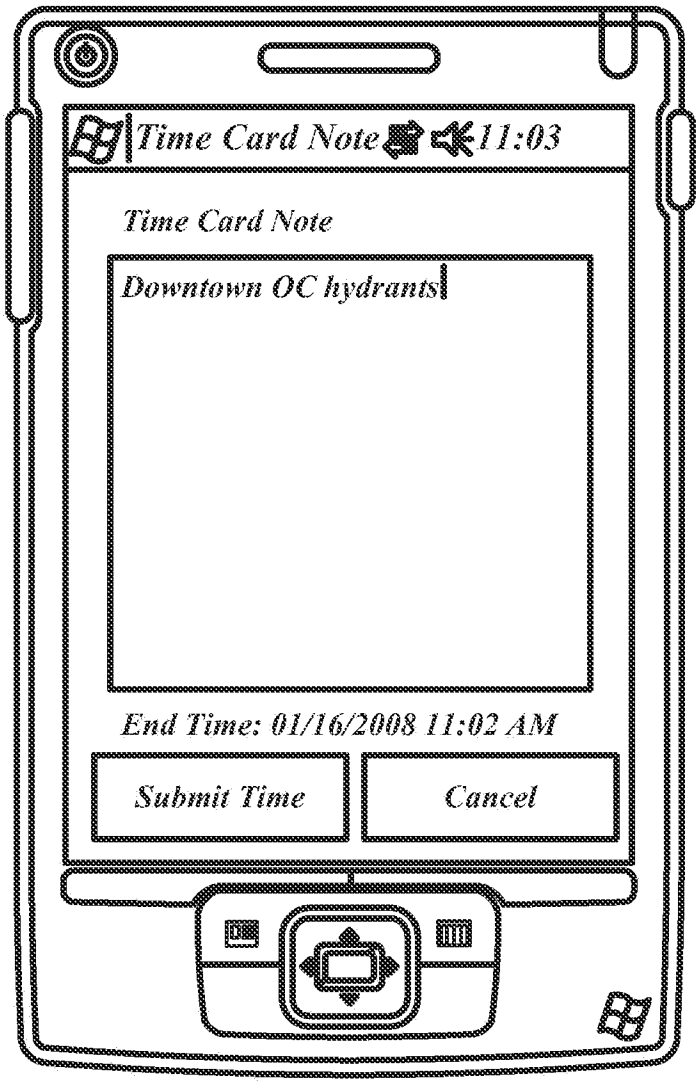

Time Card Note
11:03
Time Card Note
Downtown OC hydrants
End Time: 01/16/2008 11:02 AM
Submit Time
Cancel

Fig. 23

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SYSTEMS AND METHODS FOR A WEB BASED INSPECTION COMPLIANCE REGISTRY AND COMMUNICATION TOOL

PRIORITY CLAIM

This application claims priority to and incorporates all of the following by reference in their entirety U.S. Patent Provisional Application Nos. 60/886,269 filed on Jan. 23, 2007, 60/977,870 filed on Oct. 5, 2007, 60/981,091 filed Oct. 18, 2007, and 60/981,784 filed on Oct. 22, 2007.

This application incorporates all of the following by reference in their entirety U.S. Patent Provisional Application Nos. 60/969,905 filed on Sep. 4, 2007, and 60/981,782 filed on Oct. 22, 2007.

BACKGROUND OF THE INVENTION

There are many assets that are owned around the world that require compliance with a code, local rule, state law, or federal law. Compliance in most of these cases requires a periodic inspection of the owned asset. An example of owned assets requiring annual or regular inspection are fire sprinkler systems, fire alarm systems, kitchen hood systems, fire extinguishers, emergency lighting systems, backflow preventers, bridges, fire hydrants, catch basins, retention ponds, electrical systems, heating/venting/air conditioning systems, plumbing systems, aircraft, vehicles, school transportation vehicles, cranes, powerplants, dams, stormwater runoff, animals, industrial sites, environmental interests, housing, real estate, boilers, farm equipment, viaducts, tunnels, businesses, financials, pharmaceutical caches, weapon caches, amusement parks/rides, elevators, escalators, pilings, piers, safety equipment, kitchens, and others. For purposes of a non limiting example a fire hydrant will be used as an owned asset throughout the specification, however it should be readily appreciated that any owned asset may be substituted for the fire hydrant.

In order to ensure that a fire hydrant is working and is capable to dispense water the hydrant is preferably inspected annually. The hydrant is usually inspected by a range of individuals including but not limited to a citizen, an owner, a water purveyor, a firefighter, and/or a fire marshal. An inspector will record information about the hydrants location and operability. The completed inspection may be recorded in local neighborhood records (privately owned hydrant), a firehouse or in a computer system stored locally in an inspectors office. Most of these inspections are not available globally and generally are not available at the time of a fire. If a hydrant is not inspected a fire crew could waste valuable time trying to find water for their hoses from a malfunctioning hydrant. A hydrant also could be leaking water or be otherwise unsafe, which may not be discovered without an inspection. In most areas very few hydrants are inspected because of the large number of hydrants, the lack of a working inspection enforcement and tracking system and because there is not currently a way to use the inspection information at the time of a fire near the hydrant.

Computer software has been used in the past as a way for inspecting authorities to track fire hydrant usage. These previous software approaches focus on collecting limited data on each fire hydrant and keeping the information local to the fire department or owner only. A typical fire hydrant management software program allows the user to input hydrant information, schedule maintenance, and create reminders for service. The local fire department can evaluate inputted data to determine water flow information and general location. These programs do not record data such as water quality, GPS location, or condition. Also they do not record requests for maintenance or improvements. None of previous approaches communicate with each other or communicate with a global registry. In fact, none of them communicate with other users who use the same program and therefore there is not a system that currently combines all of the gathered data for use by all fire departments. Commonly, because of high software costs and the lack of organization, departments do not use a formal hydrant management software program and instead rely on pencil, paper, calendars, and file cabinets.

A global registry currently does not exist for many owned asset areas and more specifically in the fire hydrant space resulting in a lack of global knowledge available when making widespread decisions regarding fire hydrants or a water system. The disadvantage of using current fire hydrant management software is the limitation of communication within the department and interdepartmentally. Commonly the person who inputs the data is not the one who uses the data, the software is limited to a specific computer, and the system of inputting and using data relies on the location and type of the specific computer. For example, the fire department personnel may inspect the fire hydrant and document required maintenance, but the hydrant maintenance crew (commonly water department personnel) does not have easy access to the software and cannot review or update required maintenance. Also, the maintenance crew does not have an easy way to communicate the status of a damaged hydrant to the fire marshal. There is not a software program that gives one department the ability to share their information with other departments either using the same software or using other software.

Currently there is not a standard format for collecting fire hydrant information. If there were a way to share a local database globally, the information would not likely integrate well using current software and inspection methods. Even if there were a way to integrate the different data types, third party groups like state fire marshals, insurance groups, and the general public would not have access to the data without the correct software. Therefore, the state fire marshal continues to be uninformed of the state's fire hydrant conditions, insurance groups have to give higher premiums because of their uncertainties, and the general public has less awareness of the water system and the crews that maintain it. The general public also has no communication with the fire department when trying to assess how they can volunteer their services in programs such as 'Adopt a hydrant' or 'Paint a hydrant'.

Further, current software fails to record all the available data upon an inspection. For instance, no currently available software allows input of results from a water quality test, a digital picture, GPS location, suggested maintenance, owner, or owner's address (as examples). Other approaches fail to generate reports summarizing an area's data such as manufacturer's reliability, flow availability, or departmental maintenance performance. Additionally, software programs are generally expensive and require their own maintenance. Adding licenses of the software to other computers can also be expensive. Many of the prior approaches fail to keep good fundamental records which affect the departments I.S.O. score and affects the local businesses and residence's fire insurance premiums.

Additionally, all previous approaches are tailored for input by a government agency such as a fire department or maintenance crew. This generally discourages the department from seeking independent (and unbiased) private com-

US011126966B2

(12) **United States Patent**
Moren et al.

(10) **Patent No.: US 11,126,966 B2**
(45) **Date of Patent: Sep. 21, 2021**

(54) **SYSTEMS AND METHODS FOR A WEB BASED INSPECTION COMPLIANCE REGISTRY AND COMMUNICATION TOOL**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 1138 days.

(21) Appl. No.: **12/011,202**

(22) Filed: **Jan. 23, 2008**

(65) **Prior Publication Data**

US 2009/0157521 A1 Jun. 18, 2009

Related U.S. Application Data

(60) Provisional application No. 60/886,269, filed on Jan. 23, 2007, provisional application No. 60/977,870, filed on Oct. 5, 2007, provisional application No. 60/981,091, filed on Oct. 18, 2007, provisional application No. 60/981,784, filed on Oct. 22, 2007, provisional application No. 60/969,905, filed on Sep. 4, 2007, provisional application No. 60/981,782, filed on Oct. 22, 2007.

(51) **Int. Cl.**
G06Q 10/10 (2012.01)

(52) **U.S. Cl.**
CPC ***G06Q 10/10*** (2013.01)

(58) **Field of Classification Search**
CPC G06Q 50/163; G06Q 10/10
USPC 705/313
See application file for complete search history.

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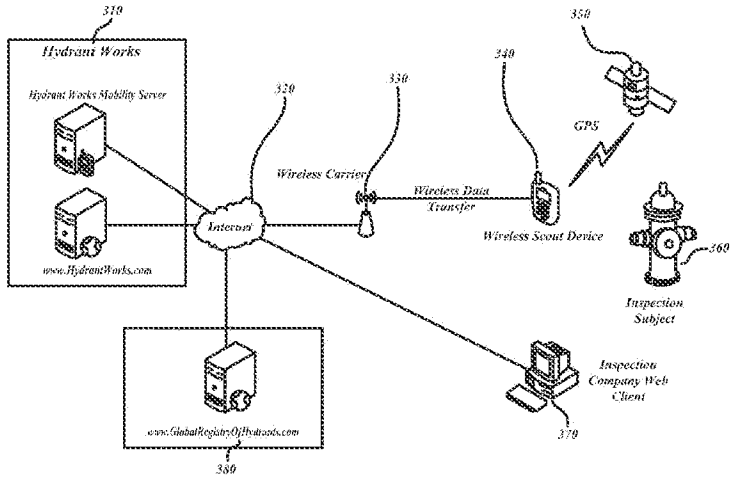
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(57) **ABSTRACT**

A method for using a web registry to track the inspection compliance of an owned asset including notifying an owner of an asset that an inspection is needed to comply with a code. Electronically transmitting a list of at least one qualified inspector to a user. Receiving a completed inspection uploaded from an inspector. Transmitting the completed inspection to an approving authority. Completing a monetary transaction between the asset owner and the inspector when the inspection is approved by the approving authority. A system for a web based compliance registry including a database configured to store owned asset information. A user interface in data communication with the database configured to show owned asset information on the display. A handheld device configured to wirelessly connect to the user interface and with the database in order to input and view owned asset data wirelessly and specific information based on its global position.

16 Claims, 24 Drawing Sheets



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panies to inspect and maintain fire hydrants. Allowing an accessible format to independent contractors would allow cheaper maintenance costs and saves the department and taxpayer's money.

SUMMARY OF THE INVENTION

A method for using a web registry to track the inspection compliance of an owned asset including notifying an owner of an asset that an inspection is needed to comply with a code. Electronically transmitting a list of at least one qualified inspector to a user. Receiving a completed inspection uploaded from an inspector. Transmitting the completed inspection to an approving authority. Completing a monetary transaction between the asset owner and the inspector when the inspection is approved by the approving authority.

A system for a web based compliance registry including a database configured to store owned asset information. A user interface in data communication with the database configured to show owned asset information on a display. A handheld device configured to wirelessly connect to the user interface and with the database in order to input and view owned asset data wirelessly and specific information based on its global position.

BRIEF DESCRIPTION OF THE DRAWINGS

The preferred and alternative embodiments of the present invention are described in detail below with reference to the following drawings.

FIG. **1** illustrates an example of a computing system environment on which an embodiment of the invention may be implemented;

FIG. **2** illustrates an exemplary computer network system on which an embodiment of the present invention may be implemented;

FIG. **3** shows an example system showing an web based compliance registry in one embodiment;

FIG. **4** shows a database relationship table in one embodiment for a web based registry for inspection compliance;

FIG. **5** shows a method for using a web enabled inspection registry;

FIG. **6** shows a method of using the registry in one embodiment;

FIGS. **7-17** show example screenshots of one embodiment of the web registry for inspection compliance used for fire hydrants; and

FIGS. **18-23** shows screenshots of one embodiment of the web registry for inspection compliance used for fire hydrants and accessed from a mobile device.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT

When trying to manage a registry of owned assets and more specifically fire hydrant inspections, there generally are multiple parties who are inputting data and using the data stored in the registry. There are a vast number of hydrants in a typical sized city and each preferably receives an annual inspection and some periodic maintenance. Without the inspections the fire hydrant may not be able to be properly used in case of an emergency. Further the hydrant may be leaking water or be otherwise unsafe. There are a number of groups that typically inspect hydrants and most do not communicate with each other. For example a private neighborhood association and the fire marshals do not communicate inspection results with each other. Once the inspection has been completed the information should be used by a firefighter when sent to a fire. In order to be a useful system, the firefighters should be able to see which, if any, of the hydrants in the area of the fire are available for use and properly functioning. Efficiently finding and activating a working hydrant in the area may be the difference in the survival of personnel and total destruction of the burning building.

Systems and methods for a web based registry compliance tool are described in further detail below. One embodiment of the invention comprises a series of steps to ensure that the inspection takes place and the inspection results are placed online in the web based registry. The series of steps advantageously take an owner of an asset from a notification that an inspection is needed, through bidding for an inspector, inspection, approval and payment and finally posting of the inspection in the registry. The registry further stores location information in order to allow a user with a global positioning system and access to the web based registry to review the status of all of the hydrants in the general area.

By way of an example in the fire sprinkler industry, national code requires annual inspections of fire sprinkler systems and related components (such as standpipes, fire department connections, fire pumps). In one embodiment, the fire marshal/building official will input information via the online registry regarding properties with fire sprinkler systems after initial inspection. A year later, the property owner will receive notice (via email, physical mail, or other) that the fire sprinkler system is due for annual inspection. The fire marshal will receive weekly or monthly updates of all due and overdue inspections. He/she will then use the registry to communicate to the owner his intention to enforce the inspection and the requirement for using the registry. The owner will use the registry to find qualified inspection companies and/or request bids from participating inspection companies. The registry will manage the bidding process and return the results to the owner for selection. The inspection company will use the registry to advertise their service and receive requests for bids and/or work. They will also use the registry (via the web or mobile device) to input their inspections with or without deficiency information which the registry sends to the fire marshal for review per the fire marshal's declared preferences. Depending on his preferences, he/she can review the inspection, verify city business license status of the inspection company, verify inspector qualifications, and approve, disapprove, or just confirm the inspection. He/she can also separately detail a course of action to an owner regarding any found deficiencies. The registry communicates the approval process between all parties until approval or confirmation is received. At that time the owner is notified the inspection is complete and approved and awaiting payment. The registry prepares an invoice for the inspection company to send to the fire sprinkler system owner. The owner receives the invoice and is able to pay online through the registry. Money is transferred to the inspection company, to the city (for any declared city/FM charges), and to any other necessary parties. The registry sends a message to the inspection company to confirm payment has been received. The inspection company verifies payment. The registry confirms that all transaction fees and fire marshal review fees are paid. If fees are not paid then the final submission will not be complete. The inspection is sent to the registry for final submission when payment is confirmed and the registry transaction fees and fire marshal review fees are paid. Until then the registry continues to notify the fire marshal that the inspection is due/incomplete.

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FIG. **1** illustrates an example of a computing system environment **100** on which an embodiment of the invention may be implemented. The computing system environment **100**, as illustrated, is an example of a suitable computing environment; however it is appreciated that other environments, systems, and devices may be used to implement various embodiments of the invention as described in more detail below.

Embodiments of the invention are operational with numerous other general-purpose or special purpose computing system environments or configurations. Examples of well-known computing systems, environments, and/or configurations that may be suitable for use with embodiments of the invention include, but are not limited to, personal computers, server computers, hand-held or laptop devices, multiprocessor systems, microprocessor-based systems, set-top boxes, programmable consumer electronics, network PCs, minicomputers, mainframe computers, distributed computing environments that include any of the above systems or devices, and the like.

Embodiments of the invention may be described in the general context of computer-executable instructions, such as program modules, being executed by a computer. Generally, program modules include routines, programs, objects, components, data structures, etc. that perform particular tasks or implement particular abstract data types. Embodiments of the invention may also be practiced in distributed-computing environments where tasks are performed by remote processing devices that are linked through a communications network. In a distributed computing environment, program modules may be located in both local and remote computer storage media including memory storage devices.

With reference to FIG. **1**, an exemplary system for implementing an embodiment of the invention includes a computing device, such as computing device **100**. The computing device **100** typically includes at least one processing unit **102** and memory **104**.

Depending on the exact configuration and type of computing device, memory **104** may be volatile (such as random-access memory (RAM)), nonvolatile (such as read-only memory (ROM), flash memory, etc.) or some combination of the two. This most basic configuration is illustrated in FIG. **1** by dashed line **106**.

Additionally, the device **100** may have additional features, aspects, and functionality. For example, the device **100** may include additional storage (removable and/or non-removable) which may take the form of, but is not limited to, magnetic or optical disks or tapes. Such additional storage is illustrated in FIG. **1** by removable storage **108** and non-removable storage **110**. Computer storage media includes volatile and nonvolatile, removable and non-removable media implemented in any method or technology for storage of information such as computer-readable instructions, data structures, program modules or other data. Memory **104**, removable storage **108** and non-removable storage **110** are all examples of computer storage media. Computer storage media includes, but is not limited to, RAM, ROM, EEPROM, flash memory or other memory technology, CD-ROM, digital versatile disks (DVD) or other optical storage, magnetic cassettes, magnetic tape, magnetic disk storage or other magnetic storage devices, or any other medium which can be used to store the desired information and which can be accessed by device **100**. Any such computer storage media may be part of device **100**.

The device **100** may also contain a communications connection **112** that allows the device to communicate with other devices. The Communications connection **112** is an example of communication media. Communication media typically embodies computer-readable instructions, data structures, program modules or other data in a modulated data signal such as a carrier wave or other transport mechanism and includes any information delivery media. The term "modulated data signal" means a signal that has one or more of its characteristics set or changed in such a manner as to encode information in the signal. By way of example, the communication media includes wired media such as a wired network or direct-wired connection, and wireless media such as acoustic, radio-frequency (RF), infrared and other wireless media. The term computer-readable media as used herein includes both storage media and communication media.

The device **100** may also have an input device **114** such as keyboard, mouse, pen, voice-input device, touch-input device, etc. Further, an output device **116** such as a display, speakers, printer, etc. may also be included. Additional input devices **114** and output devices **116** may be included depending on a desired functionality of the device **100**.

Referring now to FIG. **2**, an embodiment of the present invention takes the form of an exemplary computer network system **200**. The system **200** includes an electronic client device **210**, such as a personal computer or workstation, that is linked via a communication medium, such as a network **220** (e.g., the Internet), to an electronic device or system, such as a server **230**. The server **230** may further be coupled, or otherwise have access, to a database **240** and a computer system **260**. Although the embodiment illustrated in FIG. **2** includes one server **230** coupled to one client device **210** via the network **220**, it should be recognized that embodiments of the invention may be implemented using one or more such client devices coupled to one or more such servers.

The client device **210** and the server **230** may include all or fewer than all of the features associated with the device **100** illustrated in and discussed with reference to FIG. **1**. The client device **210** includes or is otherwise coupled to a computer screen or display **250**. The client device **210** may be used for various purposes such as network- and local-computing processes.

The client device **210** is linked via the network **220** to server **230** so that computer programs, such as, for example, a browser, running on the client device **210** can cooperate in two-way communication with server **230**. The server **230** may be coupled to database **240** to retrieve information there from and to store information thereto. Database **240** may include a plurality of different tables (not shown) that can be used by the server **230** to enable performance of various aspects of embodiments of the invention. Additionally, the server **230** may be coupled to the computer system **260** in a manner allowing the server to delegate certain processing functions to the computer system.

Still referring to FIG. **2**, and in operation according to an embodiment of the invention, a user (not shown) of the client device **210** desiring to use a web based compliance registry on a browser application running on the client device to access web content served by the server **230**.

Still referring to FIG. **2**, and in operation according to an alternate embodiment of the invention, a user (not shown) of the client device **210** desiring to use a inspection web registry on a browser application running on the client device to access web content, which may, but need not, be served by the server **230**. Specifically, by employing an appropriate uniform resource locator (URL) in a known manner, the user may run or download from the server **230** and install on the client device **210** a user interface module **280** comprising computer-executable instructions as

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described more fully hereinafter. Alternatively, the user may receive the module **280** on a tangible computer-readable medium (not shown), such as, for example, a CD-ROM, and subsequently install the module on the client device **210** from the medium.

FIG. **3** shows an example system showing a web based compliance registry in one embodiment. The system includes a client device **370** connected to the internet **320** through a network or other internet connection. Once connected to the internet **320**, the client device **370** accesses a web based compliance registry configured to show information on inspection compliance for an owned asset. In one embodiment, the owned asset is a fire hydrant inspection database. The web based compliance registry is shown to the user using a web interface. The web interface is linked to at least one database **380** containing web based compliance registry information. In one embodiment, the web enabled interface is connected to both a proprietary mobility server **310** and a global registry of hydrants database **380** in order to exchange information related to fire hydrants **360**. Hydrant information is stored in the database **380** and using a search program allows users to manipulate or view hydrant data.

In one embodiment a handheld device **340** referred to as a scout device is included. The handheld device **340** is a handheld computing device, or system of a type known in the art, such as a handheld computer, wireless mobile telephone, personal digital assistant device, and the like. Handheld device **340** may comprise one of many well known handheld devices including, but not limited to a Palm Treo, a Blackberry or other handheld devices. Handheld device **340** comprises such software, hardware, and componentry as would occur to one of skill in the art, such as, for example, one or more microprocessors, memory systems, input/output devices, device controllers, wireless connectivity and the like. Handheld device **340** also comprises one or more data entry systems operable by a user of handheld device, such as, for example, a pointing device, keyboard, touch screen, microphone, voice recognition, and/or other data entry systems known in the art. Handheld device **340** further comprises a display system which may comprise many of the well known display devices such as liquid crystal diode displays, light emitting diode displays, etc., upon which information may be displayed in a manner perceptible to the user. Handheld device **340** may also comprise a data receiving system including, but not limited to a bar code reader, digital camera, GPS coordinates, Bluetooth, wireless connectivity, cellular connectivity, radio frequency identification software or an iris or fingerprint recognition system. The handheld device **340** having software to communicate with the web enabled interface wirelessly in order to update the hydrant registry. The handheld device **340** configured to update information about assets (including, but not limited to, a current location). The handheld device **340** further includes the following list of non exhaustive list of features: data is both manually and automatically inserted into the computer; coordinates from the GPS unit can be manually or automatically downloaded into the computer; pictures from the camera are automatically downloaded to the computer; the communication connection between the computer, the GPS unit, and the camera may be hardwired or wireless (such as Bluetooth) and/or a data entry program then utilizes the phone to upload (and download) data to the web based compliance registry.

In an alternate embodiment the system further includes the use of RFID chips to update information about assets (including, but not limited to, a current location). For example a hydrant would have an RFID chip and would transmit inspection data to a handheld device when the handheld device was within range.

FIG. **4** shows a database relationship table in one embodiment for a web based registry for inspection compliance. Shown is a database configured to store information including but not limited to; hydrant ownership, make, model, year, color, condition, rating of needed maintenance (critical, important, light, or none), specific recommended maintenance, pressure, flow, GPS location, address, time of inspection, environment conditions during inspection, landscaping, digital picture of hydrant, nozzle size and orientation, physical description of hydrant, special markings, service record, water quality, and hydrant number.

FIG. **5** shows a method for using a web enabled inspection registry. At block **510** an owner/inspecting authority is notified that an inspection is needed on an owned asset. The notification is preferably generated based on an annual inspection. However in the case of an initial setup of the registry it also may be the initial request for information from an inspecting authority or it may include a request for further information from a concerned citizen. By way of example, the registry transmits notification to initially register with the registry and to perform an inspection and in the future notifies an owner when a subsequent inspection is necessary. Preferably the owner is sent recommendations on how the property is to be inspected, for example recommendations include names of inspectors, types of inspection needed and general costs associated with the inspection. The notification step is also used to alert the inspecting authority that an inspection is due. The inspecting authority is generally the organization in charge of ensuring compliance of the owned asset. For example a fire marshal is the inspecting authority for fire sprinkler systems. Generally, the inspecting authority receives information relating to all of the owned assets in their area of responsibility that are in need of an inspection.

At block **520** inspection preparation is done by both an owner of an asset and by an inspector. Once an owner receives notification he/she begins the inspection process by reviewing a list of inspectors and requesting bids for the job. The owner may select their own inspector or may use the web based compliance registry to find a qualified inspector or inspectors. In the registry a list of inspectors is available that includes licensed and bonded inspectors. Once a user has selected inspectors a bidding process is initiated in order to provide users with a list of prices for an inspection. The selection and bidding process is enabled using the web based registry interface. Through the user interface to the web based compliance registry a user is able to review the inspector and his/her credentials, review a bid for the inspection and finally select and schedule an inspection with one of the listed inspectors.

At block **530** an inspection takes place. The chosen inspector inspects the owned asset based on standard industry inspection rules and regulations. In order to perform the inspection, the inspector either carries with him/her an inspection sheet that includes an area to enter in all information required by an embodiment of the web based inspection registry or uses a handheld device to perform the inspection. Generally, if an inspector uses the pen and paper means for an inspection the inspector or the asset owner will update the registry manually using the data recorded on site. In another embodiment the inspector uses a web enabled handheld device configured to interface wirelessly with the internet or directly with the registry database. The inspector uses the device to enter in the inspection information and

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advantageously can print or transmit the inspection to a reviewing authority from the web based compliance registry.

At block **540**, the inspection, after being loaded into the registry, goes through a review period. The review is conducted by the approving authority and is done to ensure the inspection is completed in compliance within the rules and regulations of the inspection. This allows the approving authority the ability to quickly review each inspection and provide feedback to the inspector at the earliest convenience. Once the reviewing authority has approved the inspection. The registry sends an invoice to the asset owner in order to arrange for payment. The registry allows for the owner to pay online and then sends payment to the inspector therefore completing the transaction. By way of an example once an inspection is complete previously submitted credit card information is billed for the inspection which preferably includes the inspector's fee, the fees for filing an inspection with the approving authority and registry fees. Deficiencies noted then the authority is able to contact owner and provides coa's

At block **550**, the inspection is complete and the information is updated on the system to reflect a completed and valid inspection. Once updated the information is advantageously viewable by all interested parties.

FIG. **6** shows a method of using the registry in one embodiment. A user may carry a wireless handheld device to input data as discussed above, but also the handheld device may be used to display inspection status and details of the assets in the user's proximity. At block **610**, the unit receives a global positioning system location and with that information at block **620** displays the assets in proximity to the user. The user may use this display to inspect the assets or send reminders to the owners that there asset still needs to be inspected and view asset details. In one embodiment the handheld device may be used by firefighters as they are responding to jobs to see the most recently inspected and approved hydrants and hydrant details in there vicinity.

FIGS. **7-17** show example screenshots of one embodiment of the web registry for inspection compliance used for fire hydrants. FIG. **7** shows a login screen in one embodiment. The user will have preferences and permissions based on whether they are an owner, inspector or an authority. FIG. **8** shows a create hydrant screen which allows a user to add information about a hydrant. FIG. **9** shows a hydrant search screen which allows a user to see the results of a typical hydrant search along with identification information about the hydrants. Included in the results screen are pictures of the hydrants if available as well as other identification information such as address and type. FIG. **10** shows a hydrant search using a map. On this screen a user uses an interactive map to find a location. Once the location is selected a graphical representation of the hydrants in the area is shown to the user. FIG. **11** shows a view of the hydrant details accessible from the hydrant search page shown in FIGS. **9** and **10**. FIG. **12** shows a graphical representation of hydrants in an area on a map as selected by a user. FIG. **13** shows a screen that allows a user to customize the screen views of the program described in one embodiment. FIG. **14** shows a user management screen in which an administrator can set users and change permissions of those users. FIGS. **15-17** show time card entry screens in which a user or an inspector records time spent on inspecting a hydrant for a future payment in one embodiment.

FIGS. **18-23** shows screenshots of one embodiment of the web registry for inspection compliance used for fire hydrants and accessed from a mobile device. FIG. **18** shows a login screen used on a mobile device. FIG. **19** shows the home screen for the handheld device, allowing a user to create a hydrant, search for hydrants in proximity to the handheld device, login/logout and start a time card. FIG. **20** shows a create hydrant screen which allows a user to add information about a hydrant. FIG. **21** shows a proximity search screen displaying information about hydrants in proximity to the device. FIG. **22** shows the home screen with the time for the time card started. FIG. **23** shows a screen allowing a user to enter notes about their time entrees on the handheld device.

The global registry is intended to assist the government, private owners, insurance bureaus, businesses, and the general public in providing information regarding hydrant condition, location, and water quality. The most important purpose is to prepare the fire department for the hydrant and water conditions prior to arriving at a fire incident. This preparation will improve the approach of extinguishing a fire by showing the best hydrant for the fire department to connect to and also give visual reference of that hydrant prior to arriving at the site. This improvement will allow a fire department to put more water on a fire quicker and save lives and property. Non-working or low performing hydrants will be identified prior to arriving at the site and avoided. Another major purpose of the registry is to assist maintenance crews in locating and preparing work on hydrants in need of service. Equally important, these needed and/or finished repairs are communicated back to the fire marshal and fire department. This vital communication will inform the fire fighters of hydrant conditions. The state fire marshals are able to review the performance of local fire marshals and maintenance crews. The improved method of record keeping hydrant information will improve a city's ISO (insurance) rating which will save money in fire insurance premiums for local businesses and homes. The web based compliance registry is optionally advantageous to improve the process of inspections and in many cases introduce a new ability to enforce inspections. The authorities will be able to easily monitor, require, enforce, review, approve, and summarize all the inspections under their control. This new method will provide an easier way for them to charge for their review time and a way to confirm inspection companies are licensed to work in their city. This will help the cities recuperate lost expenses previously overlooked or ignored.

Multiple embodiments may be advantageously used by the following non exhaustive list of users. Budgeting committees will use the registry to more accurately predict annual maintenance and repair costs. Private hydrant owners will register their hydrants in the global registry which will notify the owner when inspection and testing is required. Fire hydrant maintenance crews will use this registry to schedule and prepare necessary maintenance at specific fire hydrants. An inspection crew will use the registry to record all findings regarding a fire hydrant test and inspection. The fire department will use the registry when preparing for a fire by researching the hydrant condition, the GPS location, the GIS map, and the digital picture for a visual confirmation prior to arriving at the site. The local fire marshals will use the registry to verify progress of the maintenance crews. State fire marshals will use the registry to review the status of fire hydrants in a specified area (statewide, citywide, or other). Insurance companies and rating bureaus will use the registry to assist them in accurately grading a state, city, district, business, neighborhood, or house based on the conditions and location of hydrants. The Environmental Protection Agency (EPA) and the general public will use the registry to verify a state's or city's compliance with the Safe Water Drinking Act and general information about the water quality. City engineers and planning and development agen-

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cies will have multiple uses for the registry. Hydrant manufacturers would use the registry to determine the performance of their products and at the same time, relate it to competitor's products. Consumers will use the registry to determine more reliable products based on a specific make and models past performance. Installation, testing, inspection, service, repair, and material supply companies will register with the global registry which will allow them to receive orders or bid requests for their service or material. The general public will use the registry to verify the quality of public fire hydrants. Civil Engineers and Surveyors would use the fire hydrant GIS maps and GPS locations in the registry as survey points during planning and development. Financial officers will use the registry to determine current infrastructure assets for accrual accounting practices in accordance with GASB-34.

In alternate, yet related embodiment a Closed System Fire Hydrant Water Flow Test is disclosed as a means for inspecting fire hydrants while maximizing environmental protection. Specifically, it is the protection of the environment from water damage caused by flowing fire hydrants. The system further controls drainage during and after a fire hydrant flow test or flushing. Other fields affected by the system include, but are not limited to, water conservation, landscape protection, water main flushing, water quality testing, and hydrant maintenance and testing. Generally the following groups will advantageously benefit from this invention are private hydrant owners, general public, fire departments, water departments, water companies, hydrant testing and maintenance companies, and the Environmental Protection Agency (EPA). The close system fire hydrant water flow test system, in one embodiment, further includes a fire hydrant in-line electromagnetic flow meter.

Hydrant inspection and testing companies advantageously can improve the quality of their testing and obtain more consistent results. Companies and jurisdictions responsible for testing hydrants will be able to provide a safer test for the environment and immediate landscaping. This product will decrease the amount of flow time on a hydrant allowing the testing party to test more hydrants per day. A closed system test will allow testing parties to safely and quickly test hydrants located in high traffic areas such as downtown or on highways, which was previously unpractical to do because the danger of expelling thousands of gallons of water over roads with high traffic. Some hydrants are located in areas with protected landscaping or environmentally protected areas. Testing parties will now be able to test these hydrants without impact to the environment. Testers will also be able to control drainage of water collected by these tests into areas that are capable of supporting the necessary water flow. Other applications include testing fire pumps, water pumps, water tanks, or any other water source. In addition, the product could be used to test other liquids. Other applications for the Closed System Fire Hydrant Water Flow Test advantageously applied when water reservoirs are low, such as during drought seasons; and the system may be further adapted for performing water quality testing, obtaining GPS surveying information, and conveying the GPS surveying information to data storage mediums, for example a personal computer database or PDA device, in the form of text, pictures, and GPS data. Application of testing and flushing fire hydrants to a tank will allow testing/flushing companies to preserve water, landscaping, and environment while servicing. Additional commercial applications include the rental or sale of such systems that would allow owners, private contractors, government agencies, etc to test fire hydrants. The system would preferably include a pipe or hose connected to a flow meter device connected by pipe or hose to a control valve connected by pipe or hose to a tank (such as a water tank truck, or tank trailer). The tank would be connected by pipe or hose to a drain valve in order to discharge the water into a safe area.

The Closed System preferably includes all, at least one or a plurality of the following non exclusive list of features: a water passage device such as hose or pipe connected to a water control valve and an in-line flow meter connected to a tank for collecting the water. The tank is further connected to a water control drain valve which may be connected to hose or pipe. The closed system further includes: a shut-off valve, a 'through' flow meter (such as an electromagnetic flow meter), and a tank (such as a water truck). The tank gauges and manages the amount of water so as to assure proper flow test results such as a tank level alarm, and/or an overflow outlet, and a drain valve.

In one embodiment a method for using a closed system include: connecting to a water source such as fire hydrant, closing the shut-off valve within the closed system, opening the fire hydrant gate valve allowing water to enter the closed system up to the closed shut-off valve, quickly opening the shut-off valve in the closed system, recording a reading from the electromagnetic flow meter, closing the shut-off valve in the closed system, closing the fire hydrant shut-off valve and removing the connection to the closed system.

While the preferred embodiment of the invention has been illustrated and described, as noted above, many changes can be made without departing from the spirit and scope of the invention. Accordingly, the scope of the invention is not limited by the disclosure of the preferred embodiment. Instead, the invention should be determined entirely by reference to the claims that follow.

The embodiment of the invention in which an exclusive property or privilege is claimed are defined as follows:

1. A computer-implemented method for using a fire hydrant management software system accessible via a web registry to track a requisite inspection of an owned asset comprising:

granting remote access, by a computer-based system, to the web-based registry, wherein the web registry is managed by fire hydrant management software, to at least three classes of user, wherein the three classes of user comprise:

(1) an owner of an asset

(2) an approval authority

(3) an inspector;

retrieving, by a computer-based fire hydrant management software system, real time records of assets from a database, the database being remotely accessible and augmentable by each of the at least three classes of user;

analyzing the records of assets from the database to determine whether an asset requires inspection;

automatically creating, according to computer-executable instructions of the fire hydrant management software, standard format inspection list, based upon the analysis of records of assets from the database, wherein the standard form inspection list includes each asset due for inspection and each asset within a designatable interval of being due for inspection;

for each asset on the inspection list, according to computer-enabled instructions of the fire hydrant management software, retrieving a list of qualified inspectors according to designatable attributes including proxim-

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ity to the asset, wherein an inspector, upon accessing the web registry, can review and update information, including location;

for each asset on the inspection list, generating a standard format notice notifying the approval authority of the status of the assets assigned to the approval authority, and wherein the approval authority, upon accessing the compliance registry, may update and review the status of the assets;

for each asset on the inspection list, generating, according to computer-executable instructions of the fire hydrant management software, a standard format notice notifying an owner of the asset of an impending deadline for the inspection such notice to include the list of qualified inspectors for the asset, a description of the type of inspection, and a cost associated with the type of inspection, and wherein the owner of the asset, upon accessing the web-based registry, may update and review the status of the assets assigned to the owner;

receiving, by a computer-based system, at a server through an internet portal, the server in communication with the web-based registry, information that one of the qualified inspectors supplies, the information garnered by performing the required inspection;

retrieving, by a computer-based fire hydrant management software system, a standard format report template configured to the asset, compiling a report based upon the information the inspector supplies;

transmitting, by a computer-based system, the completed inspection report, based on the report template and the information garnered by performing the inspection, to the approving authority;

transmitting, from the approving authority, by the web-based registry, a standard format notice to the owner of the asset, the notice to include a report of the received information and where the received information includes a noted deficiency;

automatically, according to computer-executable instructions of the fire hydrant software, augmenting at the database, the records relative to the asset to reflect the information the inspector supplies when the inspection is approved by the approving authority; and

after the inspection is approved by the approving authority, completing a monetary transaction between the asset owner and the inspector.

2. The method of claim **1** further comprising:

at a computer in network communication with the database, entering initial information about a non-included asset that requires periodic inspection to comply with a code.

3. The method of claim **1** further comprising:

for each asset on the inspection list, transmitting to each qualified inspector on the list of qualified inspectors relative to the asset information about the asset sufficient for the qualified inspectors to generate a bid to inspect the asset;

receiving bids for a contract to inspect the asset from at least one of the qualified inspectors relative to the asset;

transmitting the received bids of the asset;

receiving a selection of a bid from the owner of the asset from among the received bids; and

transmitting to the qualified inspector who submitted the received selection, an acceptance of the bid.

4. The method of claim **1**, wherein the asset is a fire hydrant, and further wherein the report of the received information includes a water quality test and a course of action based upon the received information, the course of action to include remedy of the deficiency.

5. A computer-implemented method for using a web registry to track an asset owner's inspection compliance, the computer-implemented method comprising:

granting remote access to a compliance fire hydrant management software registry system hosted on a server and accessible through a web-portal to at least three classes of user, wherein the three classes of user comprise:

(1) an owner of an asset

(2) an approval authority

(3) an inspector;

at a database, in communication with the compliance fire hydrant management software registry system, including records of assets, compiling an inspection list to include those assets which, after expiration of a designatable interval, will require an inspection;

generating with respect to at least one asset, a list of the qualified inspectors that are available to inspect the asset based upon attributes including proximity to the asset;

generating with respect to at least one asset, a standard form notice notifying the approval authority of the status of the asset assigned to the approval authority, and wherein, the approval authority, upon accessing the compliance fire hydrant management software registry system, may update and review the status of the assets;

transmitting, by the fire hydrant management software in communication with the web registry, a standard form notification to an owner of the at least one asset on the inspection list, including the list of qualified inspectors a description of the type of inspection, and a cost associated with the type of inspection, indicating that the asset requires an inspection, and wherein the owner of the asset, upon accessing the compliance fire hydrant management software registry system, may update and review the status of the assets;

displaying, at the web portal associated with the compliance fire hydrant management software registry system, attributes of the at least one asset, to at least one of the qualified inspectors from the list of qualified inspectors relative to the asset, the attributes selected to enable the at least one of the qualified inspectors to formulate a bid for a contract to inspect the asset;

receiving at the web portal associated with the compliance fire hydrant management software registry system, a bid from the at least one inspector from a list of qualified inspectors;

displaying to the owner the bid from the at least one inspector for selection;

receiving, at the web portal associated with the compliance fire hydrant management software registry system, the selection of a bid from the owner, such selection to include a form of payment for the inspection;

notifying the at least one inspector of a standard format contract to inspect based upon the selected bid;

receiving, at the web portal associated with the compliance registry system, from the at least one inspector, according to an asset specific template provided by the compliance registry system, standard format inspection information indicating the status of the asset, wherein the received inspection information includes receiving information describing deficiencies in the asset job, the owner of an asset receiving bids from qualified inspectors based on the needs of the asset;

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after receiving the inspection information, notifying the approval authority of the inspection information;

receiving approval from the approval authority;

transmitting a standard format notification that an inspection was completed and approved by an approving authority; and

releasing to the inspector the payment.

6. The method of claim **5** further comprising:

populating the database with initial information about an asset that requires periodic inspection to comply with a code.

7. The method of claim **5**, wherein the receiving inspection information, further comprises:

collecting inspection information using a handheld device.

8. A computer-implemented method for using a fire hydrant management software and a web-based registry to track requisite inspection of an owned asset comprising:

granting remote access to a web-based registry system, wherein the web-based registry is configured to run a fire hydrant management software, to at least three classes of user, wherein the three classes of user comprise:

(1) an owner of an asset

(2) an approval authority

(3) an inspector

retrieving, by a computer-based fire hydrant management software system, real time records of assets from a database, the database being accessible and augmentable by a classes of user;

analyzing the records of assets from the database to identify notification events;

based on the analysis, notifying an owner of an asset of a notification event, wherein the notice includes a standard format description of the type of inspection, and a cost associated with the type of inspection, and wherein the notification event comprises a designatable interval in advance of an impending deadline for the inspection, and wherein the owner of the asset, upon remotely accessing the fire hydrant management software compliance registry, may update and review the status of the assets;

based upon the analysis, sending a standard format notice to the approval authority of the status of the assets assigned to the approval authority, and wherein the approval authority, upon accessing the web-based registry, may update and review the status of the assets assigned;

upon logging on to a password controlled website configured to provide access to the fire hydrant management software, providing to an inspector the owner selects, the selection based upon a list of qualified inspectors that are available to inspect the asset based upon attributes including proximity to the asset, a web-based template configured to describe the asset an each of the steps of the inspection;

receiving from the inspector, inspection information in specific response to the web-based template;

storing in a database in association with the asset, the inspection information, wherein the inspection information is accessible to the users, and updating the database in association with the asset based upon the inspection information;

transmitting to the approval authority, a standard format compliance report including noting compliance, wherein the compliance report includes, noting deficiencies in the asset and storing the noted deficiencies in association with the asset.

9. The method of claim **8**, wherein the storing further includes:

storing, in association with the asset a new deadline date, based upon completion of the inspection.

10. The method of claim **9** further comprising:

receiving bids to perform a suitably compliant inspection of the asset from a group of qualified inspectors including, at least, the inspector; and

presenting to the owner a compilation of the bids for selection of the inspector.

11. The method of claim **10** further comprising:

based upon the owner selecting the inspector, scheduling the inspector's inspection of the asset based upon the impending deadline, the inspector's availability, and the asset availability.

12. The method of claim **8**, wherein the compiling the report includes:

receiving, from the inspector, photographs of the asset or components of the asset; and

storing the photographs in association with the asset and the date of the inspection.

13. The method of claim **8**, wherein the noting deficiencies further comprises:

selecting a remedy deficiency deadline based upon the noted deficiency and the date of the inspection; and

storing in association with the asset a remedy deficiency deadline.

14. The method of claim **13**, further comprising

receiving bids to perform a suitably compliant remedy of the deficiency from a group of qualified contractors; and

presenting to the owner a compilation of the bids for selection of a contractor to remedy the deficiency.

15. The method of claim **14** further comprising:

based upon the owner selecting the contractor, scheduling the contractor to remedy the deficiency based upon the remedy deficiency deadline, the contractor's availability, and the asset availability.

16. The method of claim **8**, further comprising:

compiling compliance report including the noted deficiency.

* * * * *

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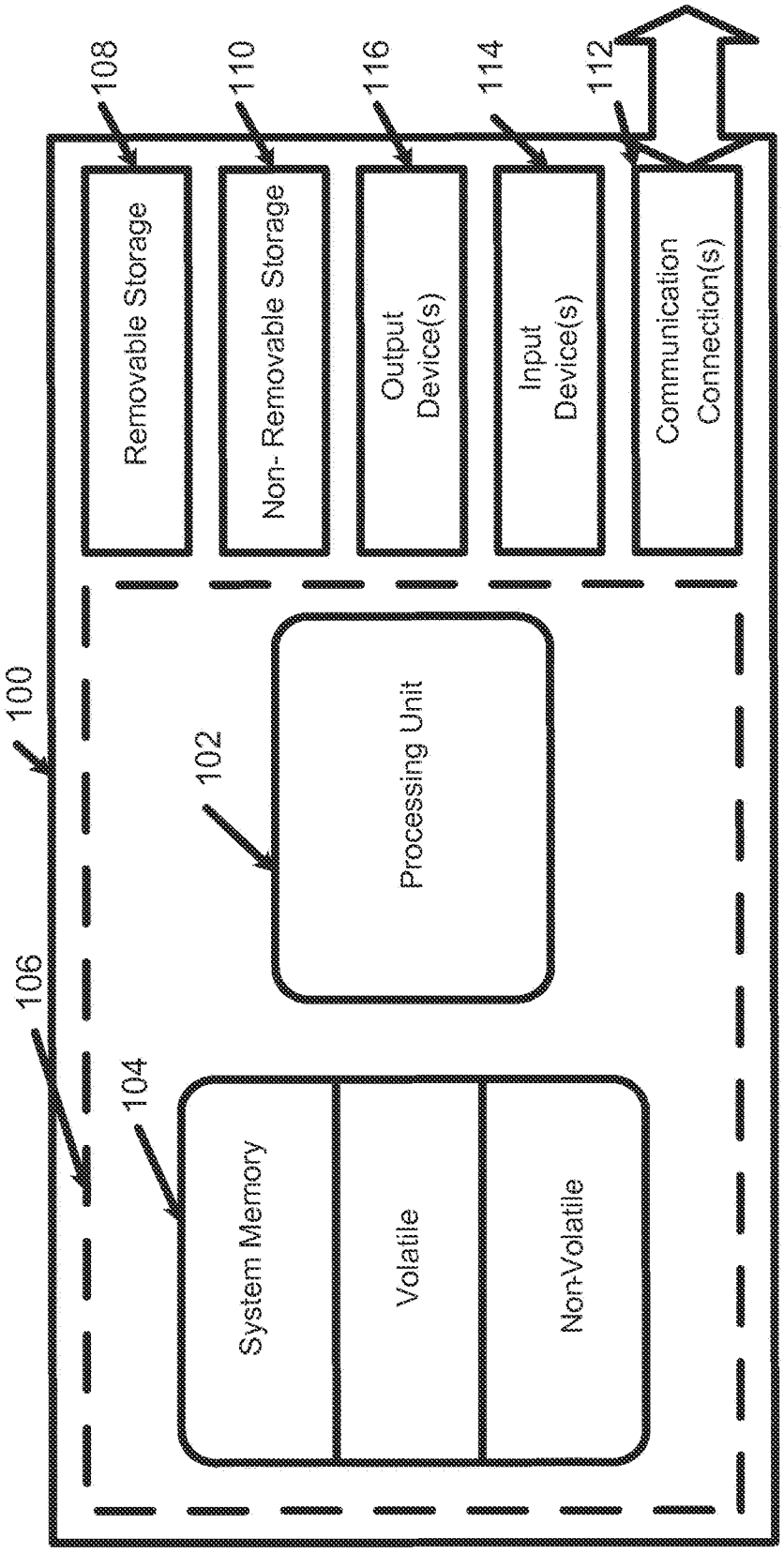

108
110
116
114
112
Removable Storage
Non-Removable Storage
Output Device(s)
Input Device(s)
Communication Connection(s)
100
102
Processing Unit
106
104
System Memory
Volatile
Non-Volatile

Fig. 1

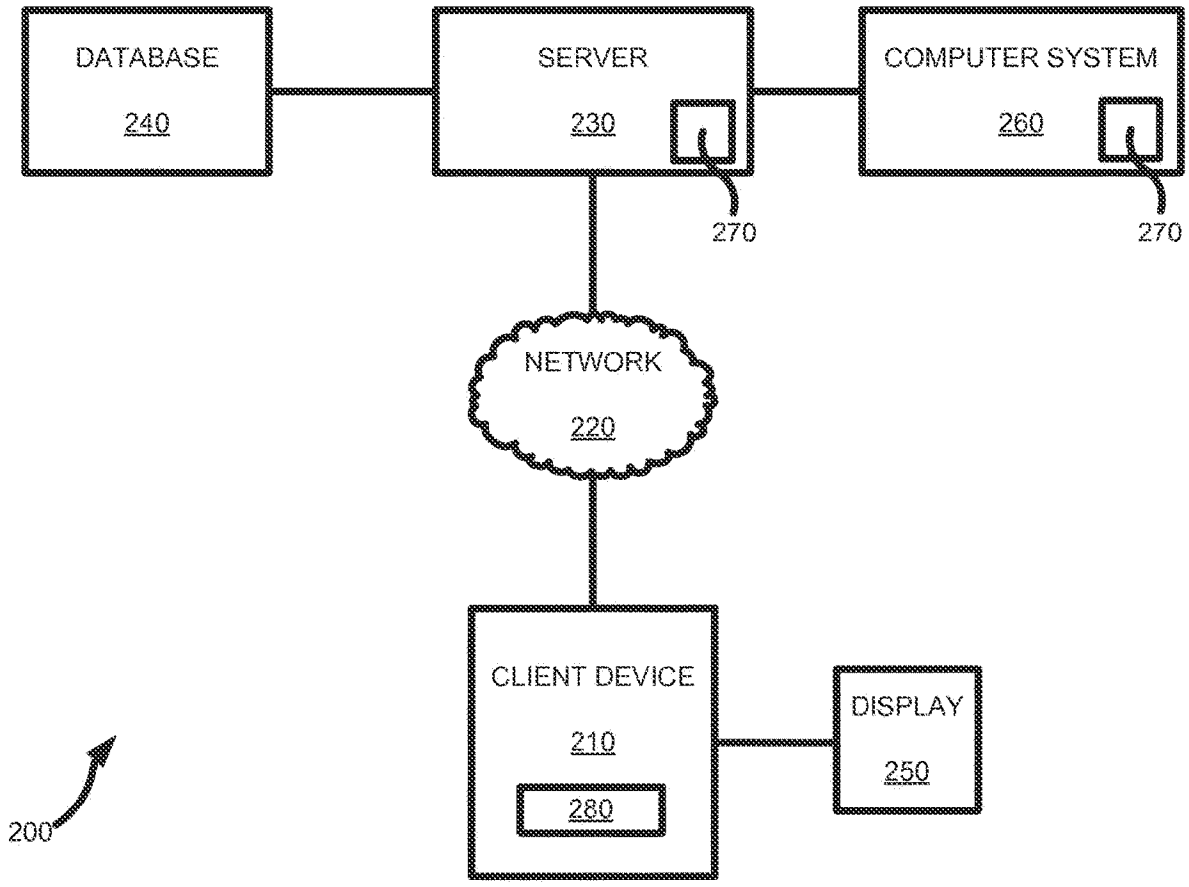

DATABASE
240
SERVER
230
270
COMPUTER SYSTEM
260
270
NETWORK
220
CLIENT DEVICE
210
280
DISPLAY
250
200

Fig. 2

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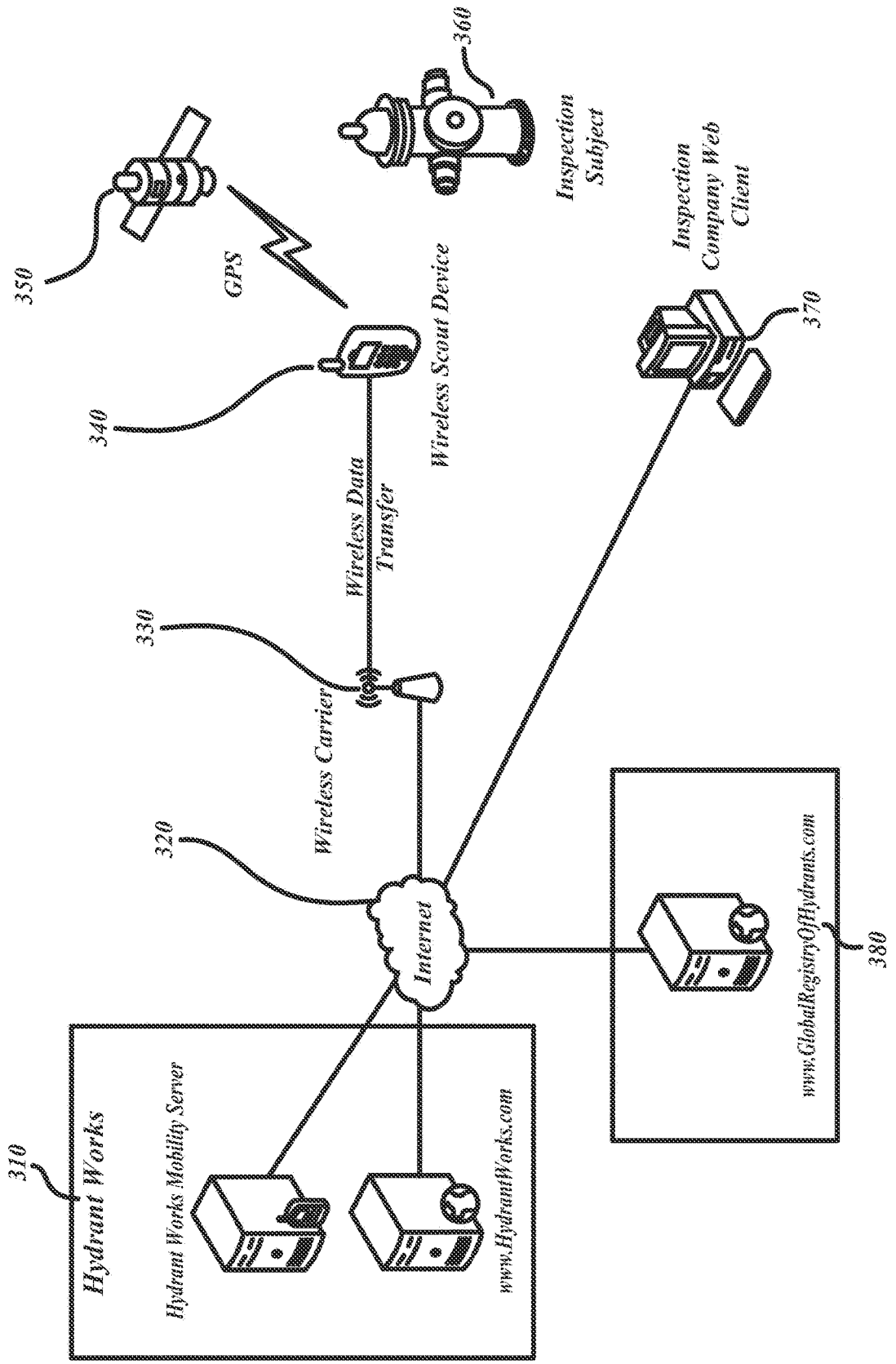


Fig. 3

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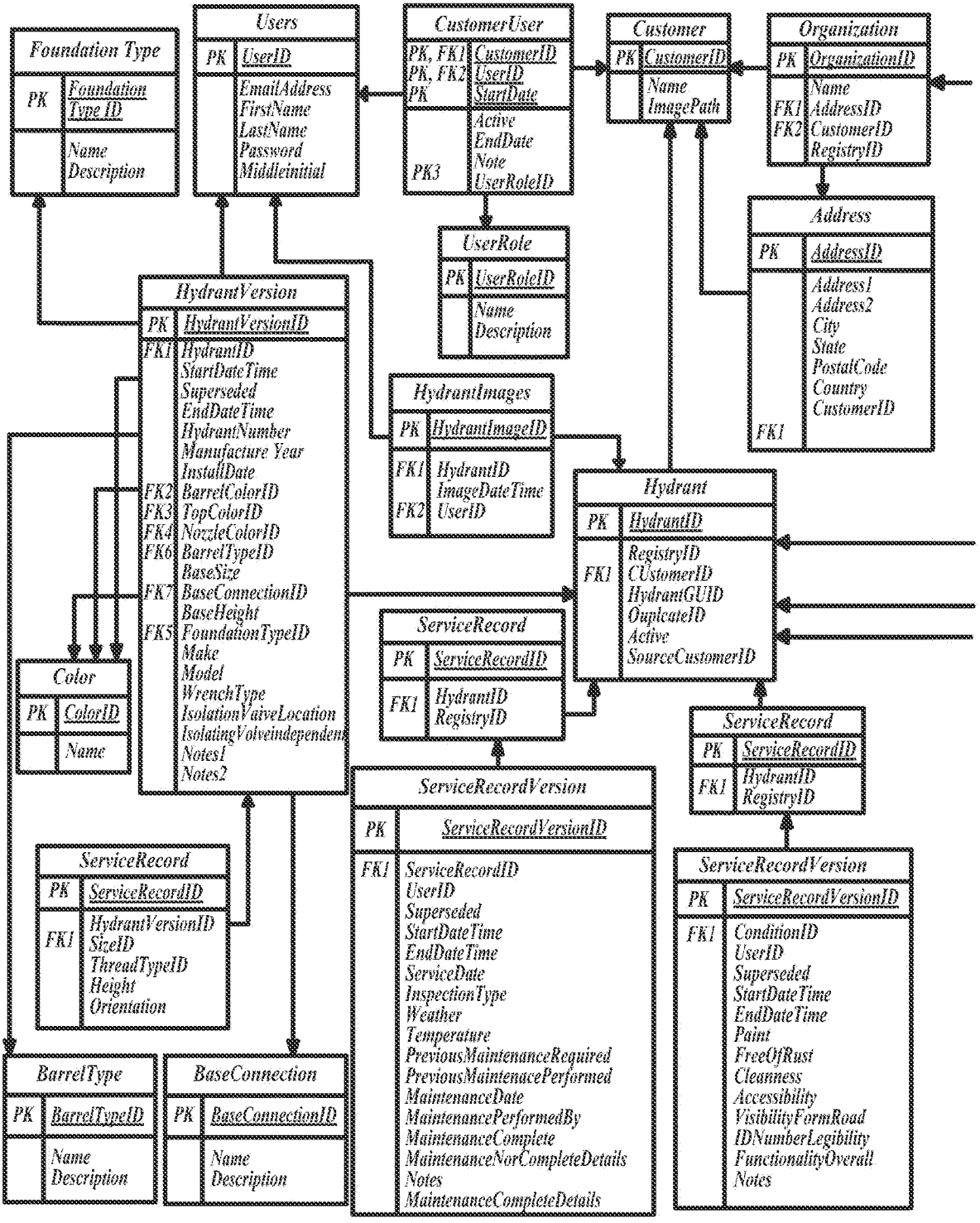

Foundation Type
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Description
Users
PK UserID
EmailAddress
FirstName
LastName
Password
MiddleInitial
CustomerUser
PK, FK1 CustomerID
PK, FK2 UserID
PK StartDate
Active
EndDate
Note
PK3 UserRoleID
Customer
PK CustomerID
Name
ImagePath
Organization
PK OrganizationID
Name
FK1 AddressID
FK2 CustomerID
RegistryID
Address
PK AddressID
Address1
Address2
City
State
PostalCode
Country
CustomerID
FK1
UserRole
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Name
Description
HydrantVersion
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FK1 HydrantID
StartDateTime
Superseded
EndDateTime
HydrantNumber
Manufacture Year
InstallDate
FK2 BarrelColorID
FK3 TopColorID
FK4 NozzleColorID
FK6 BarrelTypeID
BaseSize
FK7 BaseConnectionID
BaseHeight
FK5 FoundationTypeID
Make
Model
WrenchType
IsolationValveLocation
IsolatingValveIndependent
Notes1
Notes2
HydrantImages
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FK1 HydrantID
ImageDateTime
FK2 UserID
Hydrant
PK HydrantID
RegistryID
FK1 CUstomerID
HydrantGUID
OuplicateID
Active
SourceCustomerID
ServiceRecord
PK ServiceRecordID
FK1 HydrantID
RegistryID
Color
PK ColorID
Name
ServiceRecord
PK ServiceRecordID
FK1 HydrantID
RegistryID
ServiceRecordVersion
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UserID
Superseded
StartDateTime
EndDateTime
ServiceDate
InspectionType
Weather
Temperature
PreviousMaintenanceRequired
PreviousMaintenacePerformed
MaintenanceDate
MaintenancePerformedBy
MaintenanceComplete
MaintenanceNorCompleteDetails
Notes
MaintenanceCompleteDetails
ServiceRecord
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SizeID
ThreadTypeID
Height
Orientation
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UserID
Superseded
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EndDateTime
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FreeOfRust
Cleanness
Accessibility
VisibilityFormRoad
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FunctionalityOverall
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Description
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Name
Description

Fig. 4A

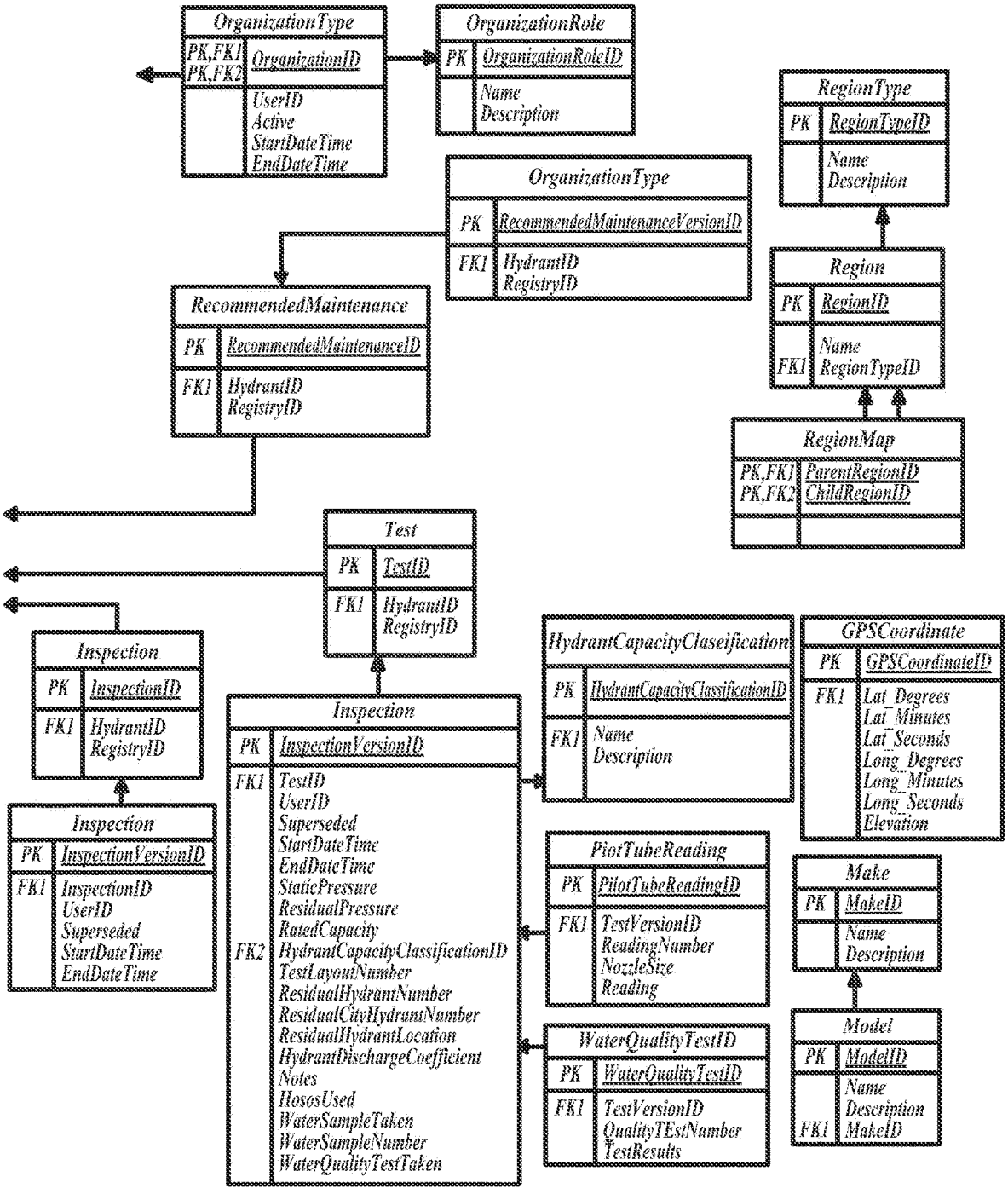

OrganizationType
PK,FK1 OrganizationID
PK,FK2
UserID
Active
StartDateTime
EndDateTime
OrganizationRole
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Name
Description
RegionType
PK RegionTypeID
Name
Description
OrganizationType
PK RecommendedMaintenanceVersionID
FK1 HydrantID
RegistryID
Region
PK RegionID
Name
FK1 RegionTypeID
RecommendedMaintenance
PK RecommendedMaintenanceID
FK1 HydrantID
RegistryID
RegionMap
PK,FK1 ParentRegionID
PK,FK2 ChildRegionID
Test
PK TestID
FK1 HydrantID
RegistryID
Inspection
PK InspectionID
FK1 HydrantID
RegistryID
Inspection
PK InspectionVersionID
FK1 InspectionID
UserID
Superseded
StartDateTime
EndDateTime
Inspection
PK InspectionVersionID
FK1 TestID
UserID
Superseded
StartDateTime
EndDateTime
StaticPressure
ResidualPressure
RatedCapacity
FK2 HydrantCapacityClassificationID
TestLayoutNumber
ResidualHydrantNumber
ResidualCityHydrantNumber
ResidualHydrantLocation
HydrantDischargeCoefficient
Notes
HosesUsed
WaterSampleTaken
WaterSampleNumber
WaterQualityTestTaken
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PK HydrantCapacityClassificationID
FK1 Name
Description
GPSCoordinate
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FK1 Lat_Degrees
Lat_Minutes
Lat_Seconds
Long_Degrees
Long_Minutes
Long_Seconds
Elevation
PitotTubeReading
PK PitotTubeReadingID
FK1 TestVersionID
ReadingNumber
NozzleSize
Reading
Make
PK MakeID
Name
Description
WaterQualityTestID
PK WaterQualityTestID
FK1 TestVersionID
QualityTEstNumber
TestResults
Model
PK ModelID
Name
Description
FK1 MakeID

Fig. 4B