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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/067,878	07/01/2011	Philipp W. Beisel	DE1010US	8104

7590 12/08/2022

ANDREW C. AITKEN
P.O. BOX 1810
WHEATON, MD 20915

EXAMINER
AHMED, MOHAMMED

ART UNIT	PAPER NUMBER
2452	

MAIL DATE	DELIVERY MODE
12/08/2022	PAPER

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.

UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents
United States Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450
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In re Patent No. 9,172,765	:	
Issued: October 27, 2015	:	
Application No. 13/067,878	:	
Filed: 1 Jul 2011	:	DECISION ON PETITION
For: Polling-based secure network message notification system and method with performance enhancing features	:	

This is a decision on the petition under 37 CFR 1.378(b), filed October 12, 2022, to accept the delayed payment of a maintenance fee for the above-identified patent.

The petition is **GRANTED**.

This patent expired on October 27, 2019 for failure to pay the 3.5-year maintenance fee. A petition to accept the unintentionally delayed payment of a maintenance fee under 35 USC 41(c) and 37 CFR 1.378(b) must be accompanied by: (1) a statement that the delay was unintentional; (2) payment of the appropriate maintenance fee, unless previously submitted; (3) payment of the petition fee forth in 37 CFR 1.17(m).

The petition has been carefully considered and found in compliance with the provisions set forth above. The required petition fee, 3.5-year maintenance fee, and statement, including explanation, of unintentional delay have been provided.

In view thereof, the maintenance fee is hereby accepted and the above-identified patent is reinstated as of the mail date of this decision.

Patentee is reminded as a courtesy that the window for paying the 7.5-year maintenance fee and 11.5-year maintenance fee is as follows:

7.5 Year Maintenance Fee
10/27/2022 (**first day to pay**)
04/28/2023 (**surcharge required**)
10/27/2023 (**last day to pay with required surcharge**)

11.5 Year Maintenance Fee
10/27/2026 (**first day to pay**)
04/28/2027 (**surcharge required**)
10/27/2027 (**last day to pay with required surcharge**)

Telephone inquiries should be directed to the undersigned at (571) 272-3205.

/ALESIA M. BROWN/

Alesia M. Brown
Attorney Advisor
Office of Petition



United States Patent and Trademark Office

Office of the Chief Financial Officer

Document Code:WFEE

User :Gloria Arias

Refund Accounting Date:12/06/2022

Effective Date	Sale Item Reference Number	Refund Total
03/23/2022	13067878	$1,050.00

Document Number	Fee Code	Fee Code Description	Amount Paid	Payment Method	Account Number
I2022B6C20482531	2453	PET. REVIVE ABANDON APP, DELAY PYMT-RESP	$1,050.00	DA	141263



United States Patent and Trademark Office

Office of the Chief Financial Officer

Document Code:WFEE

User :Gloria Arias

Sale Adjustment Accounting Date:12/06/2022

Effective Date	Sale Accounting Date	Sale Item Reference Number
03/23/2022	12/06/2022	13067878

Document Number	Fee Code	Fee Code Description	Amount Paid	Payment Method
I2022B6C20482531	2453	PET. REVIVE ABANDON APP, DELAY PYMT-RESP	$1,050.00	DA



United States Patent and Trademark Office

Office of the Chief Financial Officer

Document Code:WFEE

User :Gloria Arias

Refund Accounting Date:12/06/2022

Effective Date	Sale Item Reference Number	Refund Total
10/12/2022	13067878	$1,050.00

Document Number	Fee Code	Fee Code Description	Amount Paid	Payment Method	Account Number
I2022B6C22142559	2453	PET. REVIVE ABANDON APP, DELAY PYMT-RESP	$1,050.00	DA	141263



United States Patent and Trademark Office

Office of the Chief Financial Officer

Document Code:WFEE

User :Gloria Arias

Sale Adjustment Accounting Date:12/06/2022

Effective Date	Sale Accounting Date	Sale Item Reference Number
10/12/2022	12/06/2022	13067878

Document Number	Fee Code	Fee Code Description	Amount Paid	Payment Method
I2022B6C22142559	2453	PET. REVIVE ABANDON APP, DELAY PYMT-RESP	$1,050.00	DA

RE: Unintentionally Delayed Payment of Maintenance Fees For U.S. Patent No. 9,172,765

FOR: Polling-Based Secure Network Message Notification System and Method with Performance Enhancing Features
INVENTOR: Phillip Beisel
FILING DATE: July 1, 2011
APPLICATION NO.: 13/067,878

Mail Stop: Petition
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450
Fax: (571) 273-8300

RENEWED PETITION UNDER 37 C.F.R. 1.378(b)

Pursuant to 37 C.F.R. § 1.378(b), the undersigned requests reconsideration of the October 4, 2022 Decision on Petition in the above-referenced matter, which has been accorded Expedited Status.

A properly signed petition with the fee authorization for the payment of maintenance fees accompanies the instant petition.

The undersigned looks forward to a timely and favorable disposition of the accompany Renewed Petition.

Respectfully submitted,

/s/Joseph Farco
Joseph Farco
Attorney Reg. No. 59,139
NORRIS McLAUGHLIN, P.A.
7 Times Square, 21st Floor
New York, NY 10036
212-808-0700

PTO/SB/66 (13-21)
Approved for use through 11/30/2024. OMB 0651-0016
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PETITION TO ACCEPT UNINTENTIONALLY DELAYED PAYMENT OF MAINTENANCE FEE IN AN EXPIRED PATENT (37 CFR 1.378(b))

Docket Number (Optional) 132148-4

Mail to: **Mail Stop Petition**
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450
Fax: (571) 273-8300

NOTE: If information or assistance is needed in completing this form, please contact the Office of Petitions at (571) 272-3282.

Patent No. 9172765 Application Number 13/067,878

Issue Date Oct. 27, 2015 Filing Date July 1, 2011

CAUTION: Maintenance fee payment must correctly identify: (1) the patent number (or reissue patent number, if a reissue) and (2) the application number of the actual U.S. application (or reissue application) leading to issuance of that patent to ensure the fee(s) is/are associated with the correct patent. 37 CFR 1.366(c) and (d).

Also complete the following information, if applicable.

The above-identified patent

☐ is a reissue of original Patent No. _____ original issue date _____

original application number _____

original filing date _____.

☐ resulted from the entry into the U.S. under 35 U.S.C. 371 of international application _____

filed on _____.

NOTE: A grantable petition requires the following items:

(1) Petition fee;
(2) Maintenance fee; and
(3) Statement that the delay in payment of the maintenance fee was unintentional.

CERTIFICATE OF MAILING OR TRANSMISSION (37 CFR 1.8(a))

I hereby certify that this paper (* along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to Mail Stop Petition, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, or being transmitted to the U.S. Patent and Trademark Office by EFS-Web, or by facsimile to (571) 273-8300, on the date shown below.

October 12, 2022
Date

/Joseph Farco/
Signature

Joseph Farco
Typed or Printed Name of Person Signing Certificate

A Federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with an information collection subject to the requirements of the Paperwork Reduction Act of 1995, unless the information collection has a currently valid OMB Control Number. The OMB Control Number for this information collection is 0651-0016. Public burden for this form is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the information collection. Send comments regarding this burden estimate or any other aspect of this information collection, including suggestions for reducing this burden to the Chief Administrative Officer, United States Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450 or email InformationCollection@uspto.gov. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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

PTO/SB/66 (11-21)
Approved for use through 11/30/2024. OMB 0651-0016
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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PETITION TO ACCEPT UNINTENTIONALLY DELAYED PAYMENT OF MAINTENANCE FEE IN AN EXPIRED PATENT (37 CFR 1.378(b))

1. SMALL ENTITY

☑ Patentee asserts, or has previously asserted, small entity status. See 37 CFR 1.27.

2. LOSS OF ENTITLEMENT TO SMALL ENTITY STATUS

☐ Patentee is no longer entitled to small entity status. See 37 CFR 1.27(g).

3. MICRO ENTITY

☐ Patentee certifies, or has previously certified, micro entity status. See 37 CFR 1.29
Form PTO/SB/15A or B or equivalent must either be enclosed or have been submitted previously.

4. LOSS OF ENTITLEMENT TO MICRO ENTITY STATUS

☐ Patentee is no longer entitled to micro entity status. See 37 CFR 1.29(i).

5. MAINTENANCE FEE (37 CFR 1.20(e)-(g))

The appropriate maintenance fee must be submitted with this petition, unless it was paid earlier.

Undiscounted			Small Entity			Micro Entity		
Amount	Fee	(Code)	Amount	Fee	(Code)	Amount	Fee	(Code)
☐ $	3½ yr fee	(1551)	☒ $ 1,500.00	3½ yr fee	(2551)	☐ $	3½ yr fee	(3551)
☐ $	7½ yr fee	(1552)	☐ $	7½ yr fee	(2552)	☐ $	7½ yr fee	(3552)
☐ $	11½ yr fee	(1553)	☐ $	11½ yr fee	(2553)	☐ $	11½ yr fee	(3553)

MAINTENANCE FEE BEING SUBMITTED $ 1,500.00

6. PETITION FEE

The petition fee required by 37 CFR 1.17(m) of:

$ _____ Undiscounted (Fee Code 1558); or

$ 1,050.00 Small Entity (Fee Code 2558); or

$ _____ Micro Entity (Fee Code 3558)

must be paid as a condition of accepting an unintentionally delayed payment of a maintenance fee.

PETITION FEE BEING SUBMITTED $ 1,050

7. MANNER OF PAYMENT

☐ Enclosed is a check for the sum of $ _____

☒ Please charge Deposit Account No. 14-1263 the sum of $ 2,550.00

☐ Payment by credit card. Form PTO-2038 is attached.

☐ Payment made via EFS-Web.

8. AUTHORIZATION TO CHARGE ANY FEE DEFICIENCY

☒ The Director is hereby authorized to charge any maintenance fee or petition deficiency to Deposit Account No. 14-1263

PETITION TO ACCEPT UNINTENTIONALLY DELAYED PAYMENT OF MAINTENANCE FEE IN AN EXPIRED PATENT (37 CFR 1.378(b))

9. OVERPAYMENT

As to any overpayment made, please

☒ Credit to Deposit Account No. 14-1263

OR

☐ Send refund check

WARNING:

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

10. STATEMENT

The delay in payment of the maintenance fee for this patent was unintentional.

Petitioner is reminded that a delay resulting from a deliberately chosen course of action or a change in circumstance is not an unintentional delay.

Petitioner is further reminded that a person seeking reinstatement of an expired patent should not make a statement that the delay in payment of the maintenance fee was unintentional unless the entire delay was unintentional, including the period from discovery that the maintenance fee was not timely paid until payment of the maintenance fee. For example, a statement that the delay in payment of the maintenance fee was unintentional would not be proper when the patentee becomes aware of an unintentional failure to timely pay the maintenance fee and then intentionally delays filing a petition for reinstatement of the patent under 37 CFR 1.378. See MPEP 2590.

NOTE: Where the petition under 37 CFR 1.378 is filed more than two years after the date the patent expired for nonpayment of the maintenance fee, the United States Patent and Trademark Office requires an additional explanation of the circumstances surrounding the delay that establishes the entire delay was unintentional. This requirement is in addition to the requirement to provide a statement that the entire delay was unintentional. See *Clarification of the Practice for Requiring Additional Information in Petitions Filed in Patent Applications and Patents Based on Unintentional Delay*, 85 FR 12222 (March 2, 2020). See MPEP 711.03(c)(II)(C)-(F) for additional guidance on the information required to establish that the entire delay was unintentional.

☑ Because this petition under 37 CFR 1.378 is being filed more than two years after the date the patent expired for nonpayment of the maintenance fee, additional explanation of the circumstances surrounding the delay that establishes the entire delay was unintentional is enclosed herewith.

PTO/SB/66 (11-21)
Approved for use through 11/30/2024. OMB 0651-0016
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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PETITION TO ACCEPT UNINTENTIONALLY DELAYED PAYMENT OF MAINTENANCE FEE IN AN EXPIRED PATENT (37 CFR 1.378(b))

11. PETITIONER REQUESTS THAT THE DELAYED PAYMENT OF THE MAINTENANCE FEE BE ACCEPTED AND THE PATENT BE REINSTATED.

October 12, 2022
Date

/Joseph Farco/
Signature(s) of Petitioner

59139
Registration Number, if applicable

Joseph Farco
Typed or Printed Name

917-369-8567
Telephone Number

Norris McLaughlin,P.A.
Address

7 Times Square, 21st Floor, New York, NY 10036
Address

37 CFR 1.378(c) states: "Any petition under this section must be signed in compliance with § 1.33(b)."

12. ENCLOSURES

- [ ] Maintenance Fee Payment
- [ ] Petition fee under 37 CFR 1.17(m) (fee for filing the maintenance fee petition)
- [x] Additional sheet(s) containing statement establishing unintentional delay
- [ ] Other:

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. The United States Patent and Trademark Office (USPTO) collects this information under authority of 5 CFR 1.290. The information in this system of records is used to manage all records of applicant including name, citizenship, residence, post office address and other information with respect to inventors and their legal representatives pertaining to the applicant's activities in connection with the invention for which a patent is sought. This information is protected from disclosure to third parties in accordance with the Privacy Act.

However, routine uses of this information may include disclosure to the following: to law enforcement and investigation in the event that the system of records indicates a violation or potential violation of law; to a Federal, state, local, or international agency, in response to its request; to an agency, organization, or individual for the purpose of performing audit or oversight operations as authorized by law; to non-federal personnel under contract to the agency; to a court for adjudication and litigation; to the Department of Justice for Freedom of Information Act (FOIA) assistance; to members of congress working on behalf of an individual; to the Office of Personnel Management (OPM) for personnel research purposes; to National Archives and Records Administration for inspection of records; and to the Office of Management and Budget (OMB)for legislative coordination and clearance. Failure to provide any part of the requested information may result in an inability to process requests for access and information. The applicable Privacy Act System of Records Notice for this information is COMMERCE/PAT-TM-7 Patent Application Files, available at Federal Register / Vol. 78, No. 61 / Friday, March 29, 2013 /Notices 19243. https://www.govinfo.gov/content/pkg/FR-2013-03-29pdf/2013-07341.pdf

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

PTO/AIA/82B (07-13)
Approved for use through 03/31/2021. OMB 0651-0035
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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POWER OF ATTORNEY BY APPLICANT

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

Application Number	Filing Date
13/067,878	2011-07-01

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

☑ I hereby appoint the Patent Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above: 27389

OR

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

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

☑ The address associated with the above-mentioned Customer Number

OR

☐ The address associated with Customer Number:

OR

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

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

Desktop Alert, Inc.

☐ Inventor or Joint Inventor (title not required below)

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

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

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

SIGNATURE of Applicant for Patent

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

Signature	/Howard Ryan/	Date (Optional)	2022-09-29
Name	Howard Ryan		
Title	President and CEO		

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

☐ Total of forms are submitted.

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

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

Electronic Patent Application Fee Transmittal

Application Number:	13067878
Filing Date:	01-Jul-2011
Title of Invention:	Polling-based secure network message notification system and method with performance enhancing features
First Named Inventor/Applicant Name:	Philipp W. Beisel
Filer:	Joseph Anthony Farco/Jacqueline Kelly
Attorney Docket Number:	DE1010US

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:				
PET. REVIVE ABANDON APP, DELAY PYMT-RESP	2453	1	1050	1050
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension-of-Time:				
Miscellaneous:				
		Total in USD ($)		**1050**

Electronic Acknowledgement Receipt	
EFS ID:	46803240
Application Number:	13067878
International Application Number:	
Confirmation Number:	8104
Title of Invention:	Polling-based secure network message notification system and method with performance enhancing features
First Named Inventor/Applicant Name:	Philipp W. Beisel
Correspondence Address:	ANDREW C. AITKEN - P.O. BOX 1810 - WHEATON MD 20915 US 3015373299 acaitken@aitkenenlawofficers.com
Filer:	Joseph Anthony Farco/Jacqueline Kelly
Filer Authorized By:	Joseph Anthony Farco
Attorney Docket Number:	DE1010US
Receipt Date:	12-OCT-2022
Filing Date:	01-JUL-2011
Time Stamp:	14:16:12
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	$1050

RAM confirmation Number	E20220BE16393412
Deposit Account	141263
Authorized User	Jacqueline Kelly

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	Petition for review by the Office of Petitions	132148-4-RenewedPetitionandPOAviaEFSalso10122022.pdf	807050 751cc76f8a31e0eadf18ce76f68161a0a4ae5ac7	no	7
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	38501 a2f51b1d7906b95b96610af5bec4aa48775d7983	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	845551		

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
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www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
13/067,878	07/01/2011	Philipp W. Beisel	DE1010US

CONFIRMATION NO. 8104

ANDREW C. AITKEN
P.O. BOX 1810
WHEATON, MD 20915

IMPROPER CPOA LETTER

OC000000136493014

Date Mailed: 10/04/2022

NOTICE REGARDING POWER OF ATTORNEY

This is in response to the power of attorney filed 09/29/2022. The power of attorney in this application is not accepted for the reason(s) listed below:

The power of attorney filed 09/29/2022 has not been accepted because the power of attorney must be signed by the applicant for patent. See 37 CFR 1.32(b)(4).

- The person or entity attempting the change to power of attorney is not the applicant of record in the application. Any request to change the applicant once the applicant has been specified must include (1) an application data sheet (ADS) specifying the new applicant in the Applicant Information section, and (2) a statement under 37 CFR 3.73(c) (USPTO Form PTO/AIA/96 or an equivalent) to show chain of title to the new applicant. The ADS must contain markings to show the information that is being changed, with underlining for insertions and strike-through or brackets for text removed. See 37 CFR 1.76(c)(2).

Because the request to change or update the applicant cannot be accepted, the power of attorney is not properly signed by the applicant and cannot be accepted. The change to applicant must be acceptable before the new applicant can appoint power of attorney.

/sltorres/

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

27389
PARFOMAK, ANDREW N.
NORRIS MCLAUGHLIN, PA
7 Times Square, 21st Floor
NEW YORK, NY 10036-6524
UNITED STATES

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/067,878	07/01/2011	Philipp W. Beisel	DE1010US	8104

7590 10/04/2022

ANDREW C. AITKEN
P.O. BOX 1810
WHEATON, MD 20915

EXAMINER
AHMED, MOHAMMED

ART UNIT	PAPER NUMBER
2452	

MAIL DATE	DELIVERY MODE
10/04/2022	PAPER

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.

UNITED STATES PATENT AND TRADEMARK OFFICE

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

In re Patent No. 9,172,765		
Issued: October 25, 2015	:	
Application No. 13/067,878	:	
Filed: 1 Jul 2011	:	DECISION ON PETITION
For: Polling-based secure network message	:	
notification system and method with	:	
performance enhancing features	:	

This is a decision on the petition under 37 CFR 1.378(b), filed August 2, 2022, to accept the delayed payment of a maintenance fee for the above-identified patent.

The petition is **DISMISSED**.

This patent expired on October 27, 2019 for failure to pay the 3.5-year maintenance fee. A petition to accept the unintentionally delayed payment of a maintenance fee under 35 U.S.C. 41(c) and 37 CFR 1.378(b) must be accompanied by: (1) a statement that the delay was unintentional; (2) payment of the appropriate maintenance fee, unless previously submitted; (3) payment of the petition fee forth in 37 CFR 1.17(m).

The instant petition fails to satisfy requirement (2). The required maintenance fee has not been submitted. Any request for reconsideration of this decision must be accompanied by the required maintenance fee, currently $1,000.00 for a small entity. Petitioner is reminded that the prior filed authorization to charge Deposit Account No. 14-1263 as the paper on which the authorization is provided is not properly signed in accordance with 37 CFR 1.33(b).

Any request for reconsideration of this decision must be submitted within TWO (2) MONTHS from mail date of this decision. Extensions of time under 37 CFR 1.136(a) are permitted. The reconsideration request should include a cover letter entitled "Renewed Petition under 37 CFR 1.378(b)." This is not a final agency decision.

Further correspondence with respect to this matter should be addressed as follows:

By mail:

Mail Stop Petition
Commissioner for Patents
P.O. Box 1450

	Alexandria, VA 22313-1450
By facsimile:	(571) 273-8300
By hand delivery:	U.S. Patent and Trademark Office Customer Window, Mail Stop Petition Randolph Building 401 Dulany Street Alexandria, VA 22314

Via EFS-Web

Telephone inquiries should be directed to the undersigned at (571) 272-3205.

/ALESIA M. BROWN/

Alesia M. Brown
Attorney Advisor
Office of Petitions

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

PTO/AIA/82B (07-13)
Approved for use through 03/31/2021. OMB 0651-0035
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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POWER OF ATTORNEY BY APPLICANT

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

Application Number	Filing Date
13/067,878	2011-07-01

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

☑ I hereby appoint the Patent Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above: 27389

OR

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

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

☑ The address associated with the above-mentioned Customer Number

OR

☐ The address associated with Customer Number:

OR

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

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

Desktop Alert, Inc.

☐ Inventor or Joint Inventor (title not required below)

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

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

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

SIGNATURE of Applicant for Patent

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

Signature	/Howard Ryan/	Date (Optional)	2022-09-29
Name	Howard Ryan		
Title	President and CEO		

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

☐ Total of forms are submitted.

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

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

Electronic Acknowledgement Receipt	
EFS ID:	46723751
Application Number:	13067878
International Application Number:	
Confirmation Number:	8104
Title of Invention:	Polling-based secure network message notification system and method with performance enhancing features
First Named Inventor/Applicant Name:	Philipp W. Beisel
Correspondence Address:	ANDREW C. AITKEN - P.O. BOX 1810 - WHEATON MD 20915 US 3015373299 acaitken@aitkenenlawofficers.com
Filer:	Joseph Anthony Farco/Jacqueline Kelly
Filer Authorized By:	Joseph Anthony Farco
Attorney Docket Number:	DE1010US
Receipt Date:	29-SEP-2022
Filing Date:	01-JUL-2011
Time Stamp:	15:49:39
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	Power of Attorney	DesktopAlert-ExecPOA-HowardRyan-9292022.pdf	85651 261fbda352747c6d07363be5bf2deed8067ce53f	no	1
Warnings:					
Information:					
		Total Files Size (in bytes):	85651		

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

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PETITION TO ACCEPT UNINTENTIONALLY DELAYED PAYMENT OF MAINTENANCE FEE IN AN EXPIRED PATENT (37 CFR 1.378(b))

Page 1 of 4

Docket Number (Optional): 132148-4

Mail to: Mail Stop Petition
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450
Fax: (571) 273-8300

NOTE: If information or assistance is needed in completing this form, please contact the Office of Petitions at (571) 272-3282.

Patent No. 9172765 Application Number 13/067,878

Issue Date Oct. 27, 2015 Filing Date July 1, 2011

CAUTION: Maintenance fee payment must correctly identify: (1) the patent number (or reissue patent number, if a reissue) and (2) the application number of the actual U.S. application (or reissue application) leading to issuance of that patent to ensure the fee(s) is/are associated with the correct patent. 37 CFR 1.366(c) and (d).

Also complete the following information, if applicable.

The above-identified patent

☐ is a reissue of original Patent No. _____ original issue date _____

original application number _____

original filing date _____.

☐ resulted from the entry into the U.S. under 35 U.S.C. 371 of international application _____

filed on _____.

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OFFICE OF PETITIONS

NOTE: A grantable petition requires the following items:

(1) Petition fee;
(2) Maintenance fee; and
(3) Statement that the delay in payment of the maintenance fee was unintentional.

CERTIFICATE OF MAILING OR TRANSMISSION (37 CFR 1.8(a))

I hereby certify that this paper (* along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to Mail Stop Petition, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, or being transmitted to the U.S. Patent and Trademark Office by EFS-Web, or by facsimile to (571) 273-8300, on the date shown below.

August 2, 2022
Date

/Joseph Farco/
Signature

Joseph Farco
Typed or Printed Name of Person Signing Certificate

[page 1 of 3]

A Federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with an information collection subject to the requirements of the Paperwork Reduction Act of 1995, unless the information collection has a currently valid OMB Control Number. The OMB Control Number for this information collection is 0651-0016. Public burden for this form is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the information collection. Send comments regarding this burden estimate or any other aspect of this information collection, including suggestions for reducing this burden to the Chief Administrative Officer, United States Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450 or email InformationCollection@uspto.gov. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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

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PETITION TO ACCEPT UNINTENTIONALLY DELAYED PAYMENT OF MAINTENANCE FEE IN AN EXPIRED PATENT (37 CFR 1.378(b))

1. SMALL ENTITY

☑ Patentee asserts, or has previously asserted, small entity status. See 37 CFR 1.27.

2. LOSS OF ENTITLEMENT TO SMALL ENTITY STATUS

☐ Patentee is no longer entitled to small entity status. See 37 CFR 1.27(g).

3. MICRO ENTITY

☐ Patentee certifies, or has previously certified, micro entity status. See 37 CFR 1.29
Form PTO/SB/15A or B or equivalent must either be enclosed or have been submitted previously.

4. LOSS OF ENTITLEMENT TO MICRO ENTITY STATUS

☐ Patentee is no longer entitled to micro entity status. See 37 CFR 1.29(j).

5. MAINTENANCE FEE (37 CFR 1.20(e)-(g))

The appropriate maintenance fee must be submitted with this petition, unless it was paid earlier.

Undiscounted			Small Entity			Micro Entity		
Amount	Fee	(Code)	Amount	Fee	(Code)	Amount	Fee	(Code)
☐ $ _____	3½ yr fee	(1551)	☐ $ _____	3½ yr fee	(2551)	☐ $ _____	3½ yr fee	(3551)
☐ $ _____	7½ yr fee	(1552)	☐ $ _____	7½ yr fee	(2552)	☐ $ _____	7½ yr fee	(3552)
☐ $ _____	11½ yr fee	(1553)	☐ $ _____	11½ yr fee	(2553)	☐ $ _____	11½ yr fee	(3553)

MAINTENANCE FEE BEING SUBMITTED $ _____

6. PETITION FEE

The petition fee required by 37 CFR 1.17(m) of:

$ _____ Undiscounted (Fee Code 1558); or
$ _____ Small Entity (Fee Code 2558); or
$ _____ Micro Entity (Fee Code 3558)

PREVIOUSLY SUBMITTED

must be paid as a condition of accepting an unintentionally delayed payment of a maintenance fee.

PETITION FEE BEING SUBMITTED $ _____
Previously Submitted

7. MANNER OF PAYMENT

☐ Enclosed is a check for the sum of $ _____
☐ Please charge Deposit Account No. _____ the sum of $ _____
☐ Payment by credit card. Form PTO-2038 is attached.
☐ Payment made via EFS-Web.

8. AUTHORIZATION TO CHARGE ANY FEE DEFICIENCY

☐ The Director is hereby authorized to charge any maintenance fee or petition deficiency to Deposit Account No. _____

PTO/SB/66 (11-21)
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PETITION TO ACCEPT UNINTENTIONALLY DELAYED PAYMENT OF MAINTENANCE FEE IN AN EXPIRED PATENT (37 CFR 1.378(b))

9. OVERPAYMENT

As to any overpayment made, please

☐ Credit to Deposit Account No. _____

OR

☐ Send refund check

WARNING:

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

10. STATEMENT

The delay in payment of the maintenance fee for this patent was unintentional.

Petitioner is reminded that a delay resulting from a deliberately chosen course of action or a change in circumstance is not an unintentional delay.

Petitioner is further reminded that a person seeking reinstatement of an expired patent should not make a statement that the delay in payment of the maintenance fee was unintentional unless the entire delay was unintentional, including the period from discovery that the maintenance fee was not timely paid until payment of the maintenance fee. For example, a statement that the delay in payment of the maintenance fee was unintentional would not be proper when the patentee becomes aware of an unintentional failure to timely pay the maintenance fee and then intentionally delays filing a petition for reinstatement of the patent under 37 CFR 1.378. See MPEP 2590.

NOTE: Where the petition under 37 CFR 1.378 is filed more than two years after the date the patent expired for nonpayment of the maintenance fee, the United States Patent and Trademark Office requires an additional explanation of the circumstances surrounding the delay that establishes the entire delay was unintentional. This requirement is in addition to the requirement to provide a statement that the entire delay was unintentional. See *Clarification of the Practice for Requiring Additional Information in Petitions Filed in Patent Applications and Patents Based on Unintentional Delay*, 85 FR 12222 (March 2, 2020). See MPEP 711.03(c)(II)(C)-(F) for additional guidance on the information required to establish that the entire delay was unintentional.

☑ Because this petition under 37 CFR 1.378 is being filed more than two years after the date the patent expired for nonpayment of the maintenance fee, additional explanation of the circumstances surrounding the delay that establishes the entire delay was unintentional is enclosed herewith.

RENEWED PETITION TO ACCEPT UNINTENTIONALLY DELAYED PAYMENT OF MAINTENANCE FEE IN AN EXPIRED PATENT (37 CFR 1.378(b))

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RE: Unintentionally Delayed Payment of Maintenance Fees For U.S. Patent No. 9,172,765

FOR: Polling-Based Secure Network Message Notification System and Method with Performance Enhancing Features
INVENTOR: Phillip Beisel
FILING DATE: July 1, 2011
APPLICATION NO.: 13/067,878

Mail Stop: Petition
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450
Fax: (571) 273-8300

RENEWED PETITION UNDER 37 C.F.R. 1.378(b)

Pursuant to 37 C.F.R. § 1.378(b), the undersigned request reconsideration of the July 27, 2022 Decision on Petition in the above-referenced matter, which has been accorded Expedited Status.

A properly signed petition has been submitted with this request as well as all documentation that supports granting of the instant petition for the Agency's review.

The undersigned looks forward to a timely and favorable disposition of the accompanying Renewed Petition.

Respectfully Submitted,

/Joseph Farco/

Joseph Farco, Esq.
Attorney Reg. No. 59,139
Norris McLaughlin P.A.
7 Times Square, 21st Floor
New York, NY 10036

Inc.'s apparent abandonment of the '765 Patent for its failure to pay maintenance fees was entirely unintentional, and any delay in payment was due to Desktop Alert Inc.'s ignorance as to the existence of the maintenance fees.

Desktop Alert, Inc. respectfully requests the USPTO's review of the Petition on an expedited basis.

Respectfully submitted:

Dated: June 15, 2022

Howard Ryan
CEO
Desktop Alert, Inc., Assignee of U.S. Patent No. 9,172,765

ATTACHMENTS:

August 2, 2022 Renewed Petition to Accept Unintentionally Delayed Payment of Maintenance Fee In An Expired Patent

PTO/SB/66 (11-21)
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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PETITION TO ACCEPT UNINTENTIONALLY DELAYED PAYMENT OF MAINTENANCE FEE IN AN EXPIRED PATENT (37 CFR 1.378(b))

11. PETITIONER REQUESTS THAT THE DELAYED PAYMENT OF THE MAINTENANCE FEE BE ACCEPTED AND THE PATENT BE REINSTATED.

August 2, 2022
Date

/Joseph Farco/
Signature(s) of Petitioner

59139
Registration Number, if applicable

Joseph Farco
Typed or Printed Name

917-369-8567
Telephone Number

Norris McLaughlin,P.A.
Address

7 Times Square, 21st Floor, New York, NY 10036
Address

37 CFR 1.378(c) states: "Any petition under this section must be signed in compliance with § 1.33(b)."

12. ENCLOSURES

- [ ] Maintenance Fee Payment
- [ ] Petition fee under 37 CFR 1.17(m) (fee for filing the maintenance fee petition)
- [x] Additional sheet(s) containing statement establishing unintentional delay
- [ ] Other: _____

PETITION TO ACCEPT UNINTENTIONALLY DELAYED PAYMENT OF MAINTENANCE FEE IN AN EXPIRED PATENT (37 CFR 1.378(b))

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Docket Number: 132148-4

RE: Unintentionally Delayed Payment of Maintenance Fees For U.S. Patent No. 9,172,765

FOR: Polling-Based Secure Network Message Notification System and Method with Performance Enhancing Features
INVENTOR: Phillip Beisel
FILING DATE: July 1, 2011
APPLICATION NO.: 13/067,878

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OFFICE OF PETITIONS

Mail Stop: Petition
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450
Fax: (571) 273-8300

Pursuant to 37 C.F.R. § 1.378 and the Clarification of the Practice for Requiring Additional Information in Petitions Filed in Patent Applications and Patents Based on Unintentional Delay, 85 FR 12222 (March 2, 2020) and MPEP § 711.03(c)(II)(C)-(F), I, Howard Ryan, CEO of Desktop Alert, Inc., the assignee of record, hereby provides the following additional explanation of the circumstances surrounding the delay in payment of the maintenance fees for U.S. Patent No. 9,172,765, and that the delay in payment of such fees was unintentional.

1. I did not know when U.S. Patent No. 9,172,765 issued nor was I advised of it at any time prior to July 10, 2018.

2. By email dated July 10, 2018, my attorney Andrew C. Aitken, Esq. informed me that U.S. Patent No. 9,172,765 had been issued. I include the exchange involving that email as an attachment to this additional explanation.

3. I have no recollection or documents that I was able to find following a diligent search for the same that tells me that Mr. Aitken ever informed me about patent maintenance fees, what they were, when they were due, and how much they would be when due.

4. After concluding my due diligence to make the above affirmations, which included consulting with Mr. Aitken on this matter, I can confirm that I was completely unaware of the need to pay maintenance fees for U.S. Patent No. 9,172,765.

5. As of today's date, I discovered that I was sent an email on January 25, 2022 containing a statement that U.S. Patent No. 9,172,765 had to be revived for missing maintenance fees. However, I never read that portion of the document and even if I did, I would have no idea what that meant without further discussions with a patent attorney.

6. Following discussions with a patent attorney on the statement in the January 25, 2022 document that took place March 15, 2022, I engaged in the above due diligence involving my files and the correspondence with Mr. Aitken.

7. I can confirm that at no point in time was it ever my intention to let U.S. Patent No. 9,172,765 go abandoned for failure to pay maintenance fees. Under the above circumstances, the fact that U.S. Patent No. 9,172,765 went abandoned for failure to pay maintenance fees was completely unintentional and any delay in payment was due to my ignorance of the fact and/or the need to engage in the required due diligence to make the present statements to the United States Patent and Trademark Office.

8. Accompanying this statement are the maintenance fees and any applicable surcharge due and owing for U.S. Patent No. 9,172,765.

The foregoing is made based on the knowledge and information of the undersigned as of the below date following due diligence into the matter that started on March 1, 2022 and concluded on March 23, 2022.

Respectfully submitted:

Dated: March 23, 2022

Howard Ryan
CEO

Desktop Alert, Inc., Assignee of U.S. Patent No. 9,172,765

ATTACHMENTS:

July 10, 2018 Email exchange between Andrew Aitken, Esq. to Howard Ryan

REQUEST TO EXPEDITE PETITION TO ACCEPT UNINTENTIONALLY DELAYED PAYMENT OF MAINTENANCE FEE IN AN EXPIRED PATENT (37 CFR 1.378(b))

Docket Number: 132148-4
Page 1 of 2

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RE: Request To Expedite Petition To Accept Unintentionally Delayed Payment of Maintenance Fees For U.S. Patent No. 9,172,765

FOR: Polling-Based Secure Network Message Notification System and Method with Performance Enhancing Features
INVENTOR: Phillip Beisel
FILING DATE: July 1, 2011
APPLICATION NO.: 13/067,878

RECEIVED
AUG 09 2022
OFFICE OF PETITIONS

Mail Stop: Petition
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450
Fax: (571) 273-8300

Pursuant to 37 C.F.R. § 1.181(a)(3), the undersigned writes on behalf Desktop Alert, Inc. to request the expedited review of its Petition to Accept Unintentionally Delayed Payment of Maintenance Fee in an Expired Patent pursuant to 37 § CFR 1.378(b) filed on March 23, 2022 (the "Petition"). The fees due for this filing are contemporaneously supplied herewith.

In its Petition, the Chief Executive Officer of Desktop Alert, Inc., Howard Ryan, sets forth the facts and circumstances leading to Desktop Alert, Inc.'s unintentional delayed payment of maintenance fees for U.S. Patent No. 9,172,765 (the "'765 Patent"). The Petition makes clear that the entire delay in remitting the required maintenance fees was unintentional. Specifically, Desktop Alert, Inc. did not know and was not advised that the '765 Patent issued at any time prior to July 10, 2018. Moreover, the patent attorney who prosecuted the application for the '765 Patent on behalf of Desktop Alert, Inc. never advised Desktop Alert, Inc. about the maintenance fees associated with the '765 Patent.

On March 23, 2022, for the first time, Desktop Alert, Inc. discovered an email dated January 25, 2022 stating that the '765 Patent need be revived for the failure to timely remit the required maintenance fees. It was never Desktop Alert, Inc.'s intention to abandon the '765 Patent as a result of its failure to pay the required maintenance fees. Therefore, Desktop Alert

Re: Patent Application of Phillip Biesel

You forwarded this message on Wed 3/16/2022 1:08 PM

You forwarded this message on Wed 3/16/2022 1:08 PM

Andrew Aitken <acaitken@yahoo.com>
Tue 7/10/2018 5:25 PM

To:
- Howard Ryan

Cc:
- John Monville

Desktop alert pat9172765.pdf
1 MB

Hi Howard-

We have the patent.
I will check my files for the ribbon copy. Attached is a printed copy.

Andy

From: Howard Ryan <howard@desktopalert.net>
To: "acaitken@yahoo.com" <acaitken@yahoo.com>
Cc: John Monville <john@desktopalert.net>
Sent: Tuesday, July 10, 2018 5:03 PM
Subject: Fw: Patent Application of Phillip Biesel

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AUG 09 2022
OFFICE OF PETITIONS

Andrew,

Please tell me you included this in your fee.

Was our patent never issued? We are in the throws of a company sale for millions.

If we are screwed, can this be fixed quickly?

Howard Ryan
Founder Desktop Alert Inc.

www.desktopalert.net
Owner Metis Secure Solutions

www.metissecure.com
---
m: (+1) 973-580-3447

e: howard@desktopalert.net

Connect with Desktop Alert:
LinkedIn | Twitter | Facebook

Connect with Metis Secure:
LinkedIn | Twitter | Facebook

Co-Founder Save The Great South Bay Inc.
https://savethegreatsouthbay.org/about/

From: Andrew Aitken <acaitken@yahoo.com>
Sent: Monday, June 22, 2015 1:31 PM
To: Howard Ryan
Subject: Patent Application of Phillip Biesel

Dear Howard:

Further to my emails of last week, I am pleased to report that the Patent Application has been allowed. Attached is the Notice of Allowance and related correspondence. The issue fee is due on or before September 18, 2015.

Please let me know when you expect to pay the outstanding invoices.

Thanks,

Best regards.
Andy

Andrew C. Aitken, Esq.
Aitken Law Offices
P.O. Box 1810
Wheaton, MD 20915
p (301) 537-3299
f (240) 491-9892

www.aitkenlawoffices.com

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NORRIS McLAUGHLIN | P.A.
ATTORNEYS AT LAW

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OFFICE OF PETITIONS

DATE: August 2, 2022

TO:	COMPANY	FAX#	PHONE#
Petitions	USPTO	571-273-8300	

FROM: Joseph Farco, Esq. 917-369-8865

CLIENT/MATTER: 132148-4 **PAGES INCLUDING THIS PAGE:** 14

Document Service Division: **US Serial No.: 13/067,878**

An URGENT request to Expedite Petition to Accept Unintentionally Delayed Payment of Maintenance Fee in an Expired Patent

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If the transmission is not complete, please call (917)369-8874 and ask for Jacqueline Kelly

PAGE 1/14 * RCVD AT 8/2/2022 3:16:07 PM [Eastern Daylight Time] * SVR:W-PTOFAX-DTS-E3/6 * DNIS:2738300 * CSID:2128080844 * ANI:2128080844 * DURATION (mm-ss):10-20

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/067,878	07/01/2011	Philipp W. Beisel	DE1010US	8104

7590 07/27/2022

ANDREW C. AITKEN
P.O. BOX 1810
WHEATON, MD 20915

EXAMINER
AHMED, MOHAMMED

ART UNIT	PAPER NUMBER
2452	

MAIL DATE	DELIVERY MODE
07/27/2022	PAPER

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.

UNITED STATES PATENT AND TRADEMARK OFFICE

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

In re Patent No. 9,172,765	:	
Issued: October 27, 2015	:	
Application No. 13/067,878	:	
Filed: 1 Jul 2011	:	DECISION ON PETITION
For: Polling-based secure network message	:	
notification system and method with	:	
performance enhancing features	:	

This decision is in response to the petition under 37 CFR 1.378(b) filed March 23, 2022. This is also a decision on the petition to expedite under 37 CFR 1.182 filed June 15, 2022.

The petition to expedite under 37 CFR 1.182 is GRANTED.

The petition under 37 CFR 1.378(b) is DISMISSED WITHOUT PREJUDICE.

The USPTO is precluded from addressing the petition on the merits as the petition is not properly signed. In accordance with 37 CFR 1.33(b):

> Amendments and other papers, except for written assertions pursuant to § 1.27(c)(2)(iii) or (c)(2)(iv), filed in the application must be signed by: (1) A patent practitioner of record appointed in compliance with § 1.32(b); (2) A patent practitioner not of record who acts in a representative capacity under the provisions of § 1.34; (3) An assignee as provided for under § 3.71(b) of this chapter; or (4) All of the applicants (§ 1.41(b)) for patent, unless there is an assignee of the entire interest and such assignee has taken action in the application in accordance with § 3.71 of this chapter.

The instant petition is not signed in accordance with 37 CFR 1.33(b)(1) or 1.33(b)(2). Petitioner is reminded that effective September 16, 2012, all papers submitted before the Office on behalf of a juristic entity, to wit, assignee herein, must be signed by a patent practitioner.

Accordingly, a decision on the merits is not forthcoming**. Please be advised that any request for consideration of this matter must be accompanied by a petition properly signed in accordance with 37 CFR 1.33(b)(1) or 1.33(b)(2)**.

Any request for reconsideration of this decision must be submitted within TWO (2) MONTHS from mail date of this decision. Extensions of time under 37 CFR 1.136(a) are permitted. The reconsideration request should include a cover letter entitled "Renewed Petition under 37 CFR 1.378(b)." This is not a final agency decision.

Further correspondence with respect to this matter should be addressed as follows:

By mail:	Mail Stop Petition Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450
By facsimile:	(571) 273-8300
By hand delivery:	U.S. Patent and Trademark Office Customer Window, Mail Stop Petition Randolph Building 401 Dulany Street Alexandria, VA 22314

Via EFS-Web

Telephone inquiries concerning this matter may be directed to the undersigned at (571) 272-3205.

/ALESIA M. BROWN/

Alesia M. Brown
Attorney Advisor
Office of Petitions

RE: Request To Expedite Petition To Accept Unintentionally Delayed Payment of Maintenance Fees For U.S. Patent No. 9,172,765

FOR: Polling-Based Secure Network Message Notification System and Method with Performance Enhancing Features
INVENTOR: Phillip Beisel
FILING DATE: July 1, 2011
APPLICATION NO.: 13/067,878

Mail Stop: Petition
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450
Fax: (571) 273-8300

Pursuant to 37 C.F.R. § 1.181(a)(3), the undersigned writes on behalf Desktop Alert, Inc. to request the expedited review of its Petition to Accept Unintentionally Delayed Payment of Maintenance Fee in an Expired Patent pursuant to 37 § CFR 1.378(b) filed on March 23, 2022 (the "Petition"). The fees due for this filing are contemporaneously supplied herewith.

In its Petition, the Chief Executive Officer of Desktop Alert, Inc., Howard Ryan, sets forth the facts and circumstances leading to Desktop Alert, Inc.'s unintentional delayed payment of maintenance fees for U.S. Patent No. 9,172,765 (the "'765 Patent"). The Petition makes clear that the entire delay in remitting the required maintenance fees was unintentional. Specifically, Desktop Alert, Inc. did not know and was not advised that the '765 Patent issued at any time prior to July 10, 2018. Moreover, the patent attorney who prosecuted the application for the '765 Patent on behalf of Desktop Alert, Inc. never advised Desktop Alert, Inc. about the maintenance fees associated with the '765 Patent.

On March 23, 2022, for the first time, Desktop Alert, Inc. discovered an email dated January 25, 2022 stating that the '765 Patent need be revived for the failure to timely remit the required maintenance fees. It was never Desktop Alert, Inc.'s intention to abandon the '765 Patent as a result of its failure to pay the required maintenance fees. Therefore, Desktop Alert

Inc.'s apparent abandonment of the '765 Patent for its failure to pay maintenance fees was entirely unintentional, and any delay in payment was due to Desktop Alert Inc.'s ignorance as to the existence of the maintenance fees.

Desktop Alert, Inc. respectfully requests the USPTO's review of the Petition on an expedited basis.

Respectfully submitted:

Dated: June 15, 2022

Howard Ryan
CEO
Desktop Alert, Inc., Assignee of U.S. Patent No. 9,172,765

ATTACHMENTS:

March 23, 2022 Petition to Accept Unintentionally Delayed Payment of Maintenance Fee in An Expired Patent Pursuant To 37 CFR § 1.378(b)

PTO/SB/66 (11-21)
Approved for use through 11/30/2024. OMB 0651-0016
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PETITION TO ACCEPT UNINTENTIONALLY DELAYED PAYMENT OF MAINTENANCE FEE IN AN EXPIRED PATENT (37 CFR 1.378(b))

Docket Number (Optional): 132148-4

Mail to: **Mail Stop Petition**
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450
Fax: (571) 273-8300

NOTE: If information or assistance is needed in completing this form, please contact the Office of Petitions at (571) 272-3282.

Patent No. 9172765 Application Number 13/067,878

Issue Date Oct. 27, 2015 Filing Date July 1, 2011

CAUTION: Maintenance fee payment must correctly identify: (1) the patent number (or reissue patent number, if a reissue) and (2) the application number of the actual U.S. application (or reissue application) leading to issuance of that patent to ensure the fee(s) is/are associated with the correct patent. 37 CFR 1.366(c) and (d).

Also complete the following information, if applicable.

The above-identified patent

☐ is a reissue of original Patent No. _____ original issue date _____

original application number _____

original filing date _____.

☐ resulted from the entry into the U.S. under 35 U.S.C. 371 of international application _____

filed on _____.

NOTE: A grantable petition requires the following items:

(1) Petition fee;
(2) Maintenance fee; and
(3) Statement that the delay in payment of the maintenance fee was unintentional.

CERTIFICATE OF MAILING OR TRANSMISSION (37 CFR 1.8(a))

I hereby certify that this paper (* along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to Mail Stop Petition, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, or being transmitted to the U.S. Patent and Trademark Office by EFS-Web, or by facsimile to (571) 273-8300, on the date shown below.

March 23, 2022
Date

/Joseph Farco/
Signature

Joseph Farco
Typed or Printed Name of Person Signing Certificate

A Federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with an information collection subject to the requirements of the Paperwork Reduction Act of 1995, unless the information collection has a currently valid OMB Control Number. The OMB Control Number for this information collection is 0651-0016. Public burden for this form is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the information collection. Send comments regarding this burden estimate or any other aspect of this information collection, including suggestions for reducing this burden to the Chief Administrative Officer, United States Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450 or email InformationCollection@uspto.gov. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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

PTO/SB/66 (11-21)
Approved for use through 11/30/2024. OMB 0651-0016
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PETITION TO ACCEPT UNINTENTIONALLY DELAYED PAYMENT OF MAINTENANCE FEE IN AN EXPIRED PATENT (37 CFR 1.378(b))

1. SMALL ENTITY

☑ Patentee asserts, or has previously asserted, small entity status. See 37 CFR 1.27.

2. LOSS OF ENTITLEMENT TO SMALL ENTITY STATUS

☐ Patentee is no longer entitled to small entity status. See 37 CFR 1.27(g).

3. MICRO ENTITY

☐ Patentee certifies, or has previously certified, micro entity status. See 37 CFR 1.29
Form PTO/SB/15A or B or equivalent must either be enclosed or have been submitted previously.

4. LOSS OF ENTITLEMENT TO MICRO ENTITY STATUS

☐ Patentee is no longer entitled to micro entity status. See 37 CFR 1.29(i).

5. MAINTENANCE FEE (37 CFR 1.20(e)-(g))

The appropriate maintenance fee must be submitted with this petition, unless it was paid earlier.

Undiscounted			Small Entity			Micro Entity		
Amount	Fee	(Code)	Amount	Fee	(Code)	Amount	Fee	(Code)
☐ $ _____	3½ yr fee	(1551)	☑ $ 1500	3½ yr fee	(2551)	☐ $ _____	3½ yr fee	(3551)
☐ $ _____	7½ yr fee	(1552)	☐ $ _____	7½ yr fee	(2552)	☐ $ _____	7½ yr fee	(3552)
☐ $ _____	11½ yr fee	(1553)	☐ $ _____	11½ yr fee	(2553)	☐ $ _____	11½ yr fee	(3553)

MAINTENANCE FEE BEING SUBMITTED $ 1500

6. PETITION FEE

The petition fee required by 37 CFR 1.17(m) of:

$ _____ Undiscounted (Fee Code 1558); or
$ 1050 Small Entity (Fee Code 2558); or
$ _____ Micro Entity (Fee Code 3558)

must be paid as a condition of accepting an unintentionally delayed payment of a maintenance fee.

PETITION FEE BEING SUBMITTED $ 1050

7. MANNER OF PAYMENT

☐ Enclosed is a check for the sum of $ _____
☐ Please charge Deposit Account No. _____ the sum of $ _____
☐ Payment by credit card. Form PTO-2038 is attached.
☑ Payment made via EFS-Web.

8. AUTHORIZATION TO CHARGE ANY FEE DEFICIENCY

☑ The Director is hereby authorized to charge any maintenance fee or petition deficiency to Deposit Account No. 141263

PTO/SB/66 (11-21)
Approved for use through 11/30/2024. OMB 0651-0016
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PETITION TO ACCEPT UNINTENTIONALLY DELAYED PAYMENT OF MAINTENANCE FEE IN AN EXPIRED PATENT (37 CFR 1.378(b))

9. OVERPAYMENT

As to any overpayment made, please

☑ Credit to Deposit Account No. 141263

OR

☐ Send refund check

WARNING:

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

10. STATEMENT

The delay in payment of the maintenance fee for this patent was unintentional.

Petitioner is reminded that a delay resulting from a deliberately chosen course of action or a change in circumstance is not an unintentional delay.

Petitioner is further reminded that a person seeking reinstatement of an expired patent should not make a statement that the delay in payment of the maintenance fee was unintentional unless the entire delay was unintentional, including the period from discovery that the maintenance fee was not timely paid until payment of the maintenance fee. For example, a statement that the delay in payment of the maintenance fee was unintentional would not be proper when the patentee becomes aware of an unintentional failure to timely pay the maintenance fee and then intentionally delays filing a petition for reinstatement of the patent under 37 CFR 1.378. See MPEP 2590.

NOTE: Where the petition under 37 CFR 1.378 is filed more than two years after the date the patent expired for nonpayment of the maintenance fee, the United States Patent and Trademark Office requires an additional explanation of the circumstances surrounding the delay that establishes the entire delay was unintentional. This requirement is in addition to the requirement to provide a statement that the entire delay was unintentional. See *Clarification of the Practice for Requiring Additional Information in Petitions Filed in Patent Applications and Patents Based on Unintentional Delay*, 85 FR 12222 (March 2, 2020). See MPEP 711.03(c)(II)(C)-(F) for additional guidance on the information required to establish that the entire delay was unintentional.

☑ Because this petition under 37 CFR 1.378 is being filed more than two years after the date the patent expired for nonpayment of the maintenance fee, additional explanation of the circumstances surrounding the delay that establishes the entire delay was unintentional is enclosed herewith.

PTO/SB/66 (11-21)
Approved for use through 11/30/2024. OMB 0651-0016
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PETITION TO ACCEPT UNINTENTIONALLY DELAYED PAYMENT OF MAINTENANCE FEE IN AN EXPIRED PATENT (37 CFR 1.378(b))

11. PETITIONER REQUESTS THAT THE DELAYED PAYMENT OF THE MAINTENANCE FEE BE ACCEPTED AND THE PATENT BE REINSTATED.

March 23, 2022
Date

/Howard Ryan/
Signature(s) of Petitioner

Howard Ryan
Typed or Printed Name

Registration Number, if applicable

Telephone Number

Desktop Alert, Inc. 346 Main Street Chatham, NJ 07928
Address

Address

37 CFR 1.378(c) states: "Any petition under this section must be signed in compliance with § 1.33(b)."

12. ENCLOSURES

- [x] Maintenance Fee Payment
- [x] Petition fee under 37 CFR 1.17(m) (fee for filing the maintenance fee petition)
- [x] Additional sheet(s) containing statement establishing unintentional delay
- [ ] Other: _____

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. The United States Patent and Trademark Office (USPTO) collects this information under authority of 5 CFR 1.290. The information in this system of records is used to manage all records of applicant including name, citizenship, residence, post office address and other information with respect to inventors and their legal representatives pertaining to the applicant's activities in connection with the invention for which a patent is sought. This information is protected from disclosure to third parties in accordance with the Privacy Act.

However, routine uses of this information may include disclosure to the following: to law enforcement and investigation in the event that the system of records indicates a violation or potential violation of law; to a Federal, state, local, or international agency, in response to its request; to an agency, organization, or individual for the purpose of performing audit or oversight operations as authorized by law; to non-federal personnel under contract to the agency; to a court for adjudication and litigation; to the Department of Justice for Freedom of Information Act (FOIA) assistance; to members of congress working on behalf of an individual; to the Office of Personnel Management (OPM) for personnel research purposes; to National Archives and Records Administration for inspection of records; and to the Office of Management and Budget (OMB)for legislative coordination and clearance. Failure to provide any part of the requested information may result in an inability to process requests for access and information. The applicable Privacy Act System of Records Notice for this information is COMMERCE/PAT-TM-7 Patent Application Files, available at Federal Register / Vol. 78, No. 61 / Friday, March 29, 2013 /Notices 19243. https://www.govinfo.gov/content/pkg/FR-2013-03-29pdf/2013-07341.pdf

RE: Unintentionally Delayed Payment of Maintenance Fees For U.S. Patent No. 9,172,765

FOR: Polling-Based Secure Network Message Notification System and Method with Performance Enhancing Features
INVENTOR: Phillip Beisel
FILING DATE: July 1, 2011
APPLICATION NO.: 13/067,878

Mail Stop: Petition
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450
Fax: (571) 273-8300

Pursuant to 37 C.F.R. § 1.378 and the Clarification of the Practice for Requiring Additional Information in Petitions Filed in Patent Applications and Patents Based on Unintentional Delay, 85 FR 12222 (March 2, 2020) and MPEP § 711.03(c)(II)(C)-(F), I, Howard Ryan, CEO of Desktop Alert, Inc., the assignee of record, hereby provides the following additional explanation of the circumstances surrounding the delay in payment of the maintenance fees for U.S. Patent No. 9,172,765, and that the delay in payment of such fees was unintentional.

1. I did not know when U.S. Patent No. 9,172,765 issued nor was I advised of it at any time prior to July 10, 2018.

2. By email dated July 10, 2018, my attorney Andrew C. Aitken, Esq. informed me that U.S. Patent No. 9,172,765 had been issued. I include the exchange involving that email as an attachment to this additional explanation.

3. I have no recollection or documents that I was able to find following a diligent search for the same that tells me that Mr. Aitken ever informed me about patent maintenance fees, what they were, when they were due, and how much they would be when due.

4. After concluding my due diligence to make the above affirmations, which included consulting with Mr. Aitken on this matter, I can confirm that I was completely unaware of the need to pay maintenance fees for U.S. Patent No. 9,172,765.

5. As of today's date, I discovered that I was sent an email on January 25, 2022 containing a statement that U.S. Patent No. 9,172,765 had to be revived for missing maintenance fees. However, I never read that portion of the document and even if I did, I would have no idea what that meant without further discussions with a patent attorney.

6. Following discussions with a patent attorney on the statement in the January 25, 2022 document that took place March 15, 2022, I engaged in the above due diligence involving my files and the correspondence with Mr. Aitken.

7. I can confirm that at no point in time was it ever my intention to let U.S. Patent No. 9,172,765 go abandoned for failure to pay maintenance fees. Under the above circumstances, the fact that U.S. Patent No. 9,172,765 went abandoned for failure to pay maintenance fees was completely unintentional and any delay in payment was due to my ignorance of the fact and/or the need to engage in the required due diligence to make the present statements to the United States Patent and Trademark Office.

8. Accompanying this statement are the maintenance fees and any applicable surcharge due and owing for U.S. Patent No. 9,172,765.

The foregoing is made based on the knowledge and information of the undersigned as of the below date following due diligence into the matter that started on March 1, 2022 and concluded on March 23, 2022.

Respectfully submitted:

Dated: March 23, 2022

Howard Ryan
CEO

Desktop Alert, Inc., Assignee of U.S. Patent No. 9,172,765

ATTACHMENTS:

July 10, 2018 Email exchange between Andrew Aitken, Esq. to Howard Ryan

Re: Patent Application of Phillip Biesel

You forwarded this message on Wed 3/16/2022 1:08 PM

You forwarded this message on Wed 3/16/2022 1:08 PM

Andrew Aitken <acaitken@yahoo.com>
Tue 7/10/2018 5:25 PM

To:

Howard Ryan

Cc:

John Monville

Desktop alert pat9172765.pdf
1 MB

Hi Howard-

We have the patent.
I will check my files for the ribbon copy. Attached is a printed copy.

Andy

From: Howard Ryan <howard@desktopalert.net>
To: "acaitken@yahoo.com" <acaitken@yahoo.com>
Cc: John Monville <john@desktopalert.net>
Sent: Tuesday, July 10, 2018 5:03 PM
Subject: Fw: Patent Application of Phillip Biesel

Andrew,

Please tell me you included this in your fee.

Was our patent never issued? We are in the throws of a company sale for millions.

If we are screwed, can this be fixed quickly?

Howard Ryan
Founder Desktop Alert Inc.

www.desktopalert.net
Owner Metis Secure Solutions

www.metissecure.com
---
m: (+1) 973-580-3447

e: howard@desktopalert.net

Connect with Desktop Alert:
LinkedIn | Twitter | Facebook

Connect with Metis Secure:
LinkedIn | Twitter | Facebook

Co-Founder Save The Great South Bay Inc.
https://savethegreatsouthbay.org/about/

From: Andrew Aitken <acaitken@yahoo.com>
Sent: Monday, June 22, 2015 1:31 PM
To: Howard Ryan
Subject: Patent Application of Phillip Biesel

Dear Howard:

Further to my emails of last week, I am pleased to report that the Patent Application has been allowed. Attached is the Notice of Allowance and related correspondence. The issue fee is due on or before September 18, 2015.

Please let me know when you expect to pay the outstanding invoices.

Thanks,

Best regards.
Andy

Andrew C. Aitken, Esq.
Aitken Law Offices
P.O. Box 1810
Wheaton, MD 20915
p (301) 537-3299
f (240) 491-9892

www.aitkenlawoffices.com

This transmission contains information from the law offices of Andrew C. Aitken and may contain information that is confidential and/or privileged. The information is intended to be for the exclusive use of the planned recipient. If you are not the intended recipient, be advised that any disclosure, copying, distribution or other use of this information is strictly prohibited. If you have received this transmission in error, please notify the sender immediately.

Circular 230 Disclosure:
To ensure compliance with requirements imposed by Treasury and the IRS, we inform you that any federal tax advice contained in this communication (including attachments) is not intended or written to be used and cannot be used for the purpose of (i) avoiding tax penalties that may be imposed under the Internal Revenue Code, or (ii) promoting, marketing, or recommending to another person any transaction or matter addressed herein.

Electronic Patent Application Fee Transmittal

Application Number:	13067878
Filing Date:	01-Jul-2011
Title of Invention:	Polling-based secure network message notification system and method with performance enhancing features
First Named Inventor/Applicant Name:	Philipp W. Beisel
Filer:	Joseph Anthony Farco
Attorney Docket Number:	DE1010US

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:				
PETITION FEE - 37 CFR 1.17(F)(GROUP I)	2462	1	210	210
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension-of-Time:				
Miscellaneous:				
			Total in USD ($)	**210**

Electronic Acknowledgement Receipt	
EFS ID:	45969312
Application Number:	13067878
International Application Number:	
Confirmation Number:	8104
Title of Invention:	Polling-based secure network message notification system and method with performance enhancing features
First Named Inventor/Applicant Name:	Philipp W. Beisel
Correspondence Address:	ANDREW C. AITKEN - P.O. BOX 1810 - WHEATON MD 20915 US 3015373299 acaitken@aitkenenlawofficers.com
Filer:	Joseph Anthony Farco
Filer Authorized By:	
Attorney Docket Number:	DE1010US
Receipt Date:	15-JUN-2022
Filing Date:	01-JUL-2011
Time Stamp:	23:10:26
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	$210

RAM confirmation Number	E20226EN10511695
Deposit Account	
Authorized User	

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

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Petition for review by the Office of Petitions	Revival_Expedited_Request.pdf	430781 7e982deadf4daf2ff50bccd9993d716eda72ee39	no	12
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	38293 80fa0f8995540ac593ad75590fec5a07fe35a196	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	469074		

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/66 (11-21)
Approved for use through 11/30/2024. OMB 0651-0016
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PETITION TO ACCEPT UNINTENTIONALLY DELAYED PAYMENT OF MAINTENANCE FEE IN AN EXPIRED PATENT (37 CFR 1.378(b))

Docket Number (Optional) 132148-4

Mail to: **Mail Stop Petition**
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450
Fax: (571) 273-8300

NOTE: If information or assistance is needed in completing this form, please contact the Office of Petitions at (571) 272-3282.

Patent No. 9172765 Application Number 13/067,878

Issue Date Oct. 27, 2015 Filing Date July 1, 2011

CAUTION: Maintenance fee payment must correctly identify: (1) the patent number (or reissue patent number, if a reissue) and (2) the application number of the actual U.S. application (or reissue application) leading to issuance of that patent to ensure the fee(s) is/are associated with the correct patent. 37 CFR 1.366(c) and (d).

Also complete the following information, if applicable.

The above-identified patent

☐ is a reissue of original Patent No. _____ original issue date _____

original application number _____

original filing date _____.

☐ resulted from the entry into the U.S. under 35 U.S.C. 371 of international application _____

filed on _____.

NOTE: A grantable petition requires the following items:

(1) Petition fee;
(2) Maintenance fee; and
(3) Statement that the delay in payment of the maintenance fee was unintentional.

CERTIFICATE OF MAILING OR TRANSMISSION (37 CFR 1.8(a))

I hereby certify that this paper (* along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to Mail Stop Petition, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, or being transmitted to the U.S. Patent and Trademark Office by EFS-Web, or by facsimile to (571) 273-8300, on the date shown below.

March 23, 2022
Date

/Joseph Farco/
Signature

Joseph Farco
Typed or Printed Name of Person Signing Certificate

A Federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with an information collection subject to the requirements of the Paperwork Reduction Act of 1995, unless the information collection has a currently valid OMB Control Number. The OMB Control Number for this information collection is 0651-0016. Public burden for this form is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the information collection. Send comments regarding this burden estimate or any other aspect of this information collection, including suggestions for reducing this burden to the Chief Administrative Officer, United States Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450 or email InformationCollection@uspto.gov. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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

PTO/SB/66 (11-21)
Approved for use through 11/30/2024. OMB 0651-0016
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PETITION TO ACCEPT UNINTENTIONALLY DELAYED PAYMENT OF MAINTENANCE FEE IN AN EXPIRED PATENT (37 CFR 1.378(b))

1. SMALL ENTITY

☑ Patentee asserts, or has previously asserted, small entity status. See 37 CFR 1.27.

2. LOSS OF ENTITLEMENT TO SMALL ENTITY STATUS

☐ Patentee is no longer entitled to small entity status. See 37 CFR 1.27(g).

3. MICRO ENTITY

☐ Patentee certifies, or has previously certified, micro entity status. See 37 CFR 1.29
Form PTO/SB/15A or B or equivalent must either be enclosed or have been submitted previously.

4. LOSS OF ENTITLEMENT TO MICRO ENTITY STATUS

☐ Patentee is no longer entitled to micro entity status. See 37 CFR 1.29(i).

5. MAINTENANCE FEE (37 CFR 1.20(e)-(g))

The appropriate maintenance fee must be submitted with this petition, unless it was paid earlier.

Undiscounted			Small Entity			Micro Entity		
Amount	Fee	(Code)	Amount	Fee	(Code)	Amount	Fee	(Code)
☐ $ _____	3½ yr fee	(1551)	☑ $ 1500	3½ yr fee	(2551)	☐ $ _____	3½ yr fee	(3551)
☐ $ _____	7½ yr fee	(1552)	☐ $ _____	7½ yr fee	(2552)	☐ $ _____	7½ yr fee	(3552)
☐ $ _____	11½ yr fee	(1553)	☐ $ _____	11½ yr fee	(2553)	☐ $ _____	11½ yr fee	(3553)

MAINTENANCE FEE BEING SUBMITTED $ 1500

6. PETITION FEE

The petition fee required by 37 CFR 1.17(m) of:

$ _____ Undiscounted (Fee Code 1558); or
$ 1050 Small Entity (Fee Code 2558); or
$ _____ Micro Entity (Fee Code 3558)

must be paid as a condition of accepting an unintentionally delayed payment of a maintenance fee.

PETITION FEE BEING SUBMITTED $ 1050

7. MANNER OF PAYMENT

☐ Enclosed is a check for the sum of $ _____
☐ Please charge Deposit Account No. _____ the sum of $ _____
☐ Payment by credit card. Form PTO-2038 is attached.
☑ Payment made via EFS-Web.

8. AUTHORIZATION TO CHARGE ANY FEE DEFICIENCY

☑ The Director is hereby authorized to charge any maintenance fee or petition deficiency to Deposit Account No. 141263

PTO/SB/66 (11-21)
Approved for use through 11/30/2024. OMB 0651-0016
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PETITION TO ACCEPT UNINTENTIONALLY DELAYED PAYMENT OF MAINTENANCE FEE IN AN EXPIRED PATENT (37 CFR 1.378(b))

9. OVERPAYMENT

As to any overpayment made, please

☑ Credit to Deposit Account No. 141263

OR

☐ Send refund check

WARNING:

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

10. STATEMENT

The delay in payment of the maintenance fee for this patent was unintentional.

Petitioner is reminded that a delay resulting from a deliberately chosen course of action or a change in circumstance is not an unintentional delay.

Petitioner is further reminded that a person seeking reinstatement of an expired patent should not make a statement that the delay in payment of the maintenance fee was unintentional unless the entire delay was unintentional, including the period from discovery that the maintenance fee was not timely paid until payment of the maintenance fee. For example, a statement that the delay in payment of the maintenance fee was unintentional would not be proper when the patentee becomes aware of an unintentional failure to timely pay the maintenance fee and then intentionally delays filing a petition for reinstatement of the patent under 37 CFR 1.378. See MPEP 2590.

NOTE: Where the petition under 37 CFR 1.378 is filed more than two years after the date the patent expired for nonpayment of the maintenance fee, the United States Patent and Trademark Office requires an additional explanation of the circumstances surrounding the delay that establishes the entire delay was unintentional. This requirement is in addition to the requirement to provide a statement that the entire delay was unintentional. See *Clarification of the Practice for Requiring Additional Information in Petitions Filed in Patent Applications and Patents Based on Unintentional Delay*, 85 FR 12222 (March 2, 2020). See MPEP 711.03(c)(II)(C)-(F) for additional guidance on the information required to establish that the entire delay was unintentional.

☑ Because this petition under 37 CFR 1.378 is being filed more than two years after the date the patent expired for nonpayment of the maintenance fee, additional explanation of the circumstances surrounding the delay that establishes the entire delay was unintentional is enclosed herewith.

PTO/SB/66 (11-21)
Approved for use through 11/30/2024. OMB 0651-0016
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PETITION TO ACCEPT UNINTENTIONALLY DELAYED PAYMENT OF MAINTENANCE FEE IN AN EXPIRED PATENT (37 CFR 1.378(b))

11. PETITIONER REQUESTS THAT THE DELAYED PAYMENT OF THE MAINTENANCE FEE BE ACCEPTED AND THE PATENT BE REINSTATED.

March 23, 2022
Date

/Howard Ryan/
Signature(s) of Petitioner

Howard Ryan
Typed or Printed Name

Registration Number, if applicable

Telephone Number

Desktop Alert, Inc. 346 Main Street Chatham, NJ 07928
Address

Address

37 CFR 1.378(c) states: "Any petition under this section must be signed in compliance with § 1.33(b)."

12. ENCLOSURES

- [x] Maintenance Fee Payment
- [x] Petition fee under 37 CFR 1.17(m) (fee for filing the maintenance fee petition)
- [x] Additional sheet(s) containing statement establishing unintentional delay
- [ ] Other: _____

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. The United States Patent and Trademark Office (USPTO) collects this information under authority of 5 CFR 1.290. The information in this system of records is used to manage all records of applicant including name, citizenship, residence, post office address and other information with respect to inventors and their legal representatives pertaining to the applicant's activities in connection with the invention for which a patent is sought. This information is protected from disclosure to third parties in accordance with the Privacy Act.

However, routine uses of this information may include disclosure to the following: to law enforcement and investigation in the event that the system of records indicates a violation or potential violation of law; to a Federal, state, local, or international agency, in response to its request; to an agency, organization, or individual for the purpose of performing audit or oversight operations as authorized by law; to non-federal personnel under contract to the agency; to a court for adjudication and litigation; to the Department of Justice for Freedom of Information Act (FOIA) assistance; to members of congress working on behalf of an individual; to the Office of Personnel Management (OPM) for personnel research purposes; to National Archives and Records Administration for inspection of records; and to the Office of Management and Budget (OMB)for legislative coordination and clearance. Failure to provide any part of the requested information may result in an inability to process requests for access and information. The applicable Privacy Act System of Records Notice for this information is COMMERCE/PAT-TM-7 Patent Application Files, available at Federal Register / Vol. 78, No. 61 / Friday, March 29, 2013 /Notices 19243. https://www.govinfo.gov/content/pkg/FR-2013-03-29pdf/2013-07341.pdf

RE: Unintentionally Delayed Payment of Maintenance Fees For U.S. Patent No. 9,172,765

FOR: Polling-Based Secure Network Message Notification System and Method with Performance Enhancing Features
INVENTOR: Phillip Beisel
FILING DATE: July 1, 2011
APPLICATION NO.: 13/067,878

Mail Stop: Petition
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450
Fax: (571) 273-8300

Pursuant to 37 C.F.R. § 1.378 and the Clarification of the Practice for Requiring Additional Information in Petitions Filed in Patent Applications and Patents Based on Unintentional Delay, 85 FR 12222 (March 2, 2020) and MPEP § 711.03(c)(II)(C)-(F), I, Howard Ryan, CEO of Desktop Alert, Inc., the assignee of record, hereby provides the following additional explanation of the circumstances surrounding the delay in payment of the maintenance fees for U.S. Patent No. 9,172,765, and that the delay in payment of such fees was unintentional.

1. I did not know when U.S. Patent No. 9,172,765 issued nor was I advised of it at any time prior to July 10, 2018.

2. By email dated July 10, 2018, my attorney Andrew C. Aitken, Esq. informed me that U.S. Patent No. 9,172,765 had been issued. I include the exchange involving that email as an attachment to this additional explanation.

3. I have no recollection or documents that I was able to find following a diligent search for the same that tells me that Mr. Aitken ever informed me about patent maintenance fees, what they were, when they were due, and how much they would be when due.

4. After concluding my due diligence to make the above affirmations, which included consulting with Mr. Aitken on this matter, I can confirm that I was completely unaware of the need to pay maintenance fees for U.S. Patent No. 9,172,765.

5. As of today's date, I discovered that I was sent an email on January 25, 2022 containing a statement that U.S. Patent No. 9,172,765 had to be revived for missing maintenance fees. However, I never read that portion of the document and even if I did, I would have no idea what that meant without further discussions with a patent attorney.

6. Following discussions with a patent attorney on the statement in the January 25, 2022 document that took place March 15, 2022, I engaged in the above due diligence involving my files and the correspondence with Mr. Aitken.

7. I can confirm that at no point in time was it ever my intention to let U.S. Patent No. 9,172,765 go abandoned for failure to pay maintenance fees. Under the above circumstances, the fact that U.S. Patent No. 9,172,765 went abandoned for failure to pay maintenance fees was completely unintentional and any delay in payment was due to my ignorance of the fact and/or the need to engage in the required due diligence to make the present statements to the United States Patent and Trademark Office.

8. Accompanying this statement are the maintenance fees and any applicable surcharge due and owing for U.S. Patent No. 9,172,765.

The foregoing is made based on the knowledge and information of the undersigned as of the below date following due diligence into the matter that started on March 1, 2022 and concluded on March 23, 2022.

Respectfully submitted:

Dated: March 23, 2022

Howard Ryan
CEO

Desktop Alert, Inc., Assignee of U.S. Patent No. 9,172,765

ATTACHMENTS:

July 10, 2018 Email exchange between Andrew Aitken, Esq. to Howard Ryan

Re: Patent Application of Phillip Biesel

You forwarded this message on Wed 3/16/2022 1:08 PM

You forwarded this message on Wed 3/16/2022 1:08 PM

Andrew Aitken <acaitken@yahoo.com>
Tue 7/10/2018 5:25 PM

To:

Howard Ryan

Cc:

John Monville

Desktop alert pat9172765.pdf
1 MB

Hi Howard-

We have the patent.
I will check my files for the ribbon copy. Attached is a printed copy.

Andy

From: Howard Ryan <howard@desktopalert.net>
To: "acaitken@yahoo.com" <acaitken@yahoo.com>
Cc: John Monville <john@desktopalert.net>
Sent: Tuesday, July 10, 2018 5:03 PM
Subject: Fw: Patent Application of Phillip Biesel

Andrew,

Please tell me you included this in your fee.

Was our patent never issued? We are in the throws of a company sale for millions.

If we are screwed, can this be fixed quickly?

Howard Ryan
Founder Desktop Alert Inc.

www.desktopalert.net
Owner Metis Secure Solutions

www.metissecure.com
---
m: (+1) 973-580-3447

e: howard@desktopalert.net

Connect with Desktop Alert:
LinkedIn | Twitter | Facebook

Connect with Metis Secure:
LinkedIn | Twitter | Facebook

Co-Founder Save The Great South Bay Inc.
https://savethegreatsouthbay.org/about/

From: Andrew Aitken <acaitken@yahoo.com>
Sent: Monday, June 22, 2015 1:31 PM
To: Howard Ryan
Subject: Patent Application of Phillip Biesel

Dear Howard:

Further to my emails of last week, I am pleased to report that the Patent Application has been allowed. Attached is the Notice of Allowance and related correspondence. The issue fee is due on or before September 18, 2015.

Please let me know when you expect to pay the outstanding invoices.

Thanks,

Best regards.
Andy

Andrew C. Aitken, Esq.
Aitken Law Offices
P.O. Box 1810
Wheaton, MD 20915
p (301) 537-3299
f (240) 491-9892

www.aitkenlawoffices.com

This transmission contains information from the law offices of Andrew C. Aitken and may contain information that is confidential and/or privileged. The information is intended to be for the exclusive use of the planned recipient. If you are not the intended recipient, be advised that any disclosure, copying, distribution or other use of this information is strictly prohibited. If you have received this transmission in error, please notify the sender immediately.

Circular 230 Disclosure:
To ensure compliance with requirements imposed by Treasury and the IRS, we inform you that any federal tax advice contained in this communication (including attachments) is not intended or written to be used and cannot be used for the purpose of (i) avoiding tax penalties that may be imposed under the Internal Revenue Code, or (ii) promoting, marketing, or recommending to another person any transaction or matter addressed herein.

Electronic Patent Application Fee Transmittal

Application Number:	13067878
Filing Date:	01-Jul-2011
Title of Invention:	Polling-based secure network message notification system and method with performance enhancing features
First Named Inventor/Applicant Name:	Philipp W. Beisel
Filer:	Joseph Anthony Farco/Jacqueline Kelly
Attorney Docket Number:	DE1010US

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:				
PET. REVIVE ABANDON APP, DELAY PYMT-RESP	2453	1	1050	1050
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension-of-Time:				
Miscellaneous:				
			Total in USD ($)	**1050**

Electronic Acknowledgement Receipt	
EFS ID:	45296121
Application Number:	13067878
International Application Number:	
Confirmation Number:	8104
Title of Invention:	Polling-based secure network message notification system and method with performance enhancing features
First Named Inventor/Applicant Name:	Philipp W. Beisel
Correspondence Address:	ANDREW C. AITKEN - P.O. BOX 1810 - WHEATON MD 20915 US 3015373299 acaitken@aitkenenlawofficers.com
Filer:	Joseph Anthony Farco/Jacqueline Kelly
Filer Authorized By:	Joseph Anthony Farco
Attorney Docket Number:	DE1010US
Receipt Date:	23-MAR-2022
Filing Date:	01-JUL-2011
Time Stamp:	13:01:27
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	$1050

RAM confirmation Number	E20223MD02103312
Deposit Account	141263
Authorized User	Jacqueline Kelly

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	Petition for review by the Office of Petitions	132148-4Petition_document_to_be_filled3232022.pdf	466543 1ad35e6647baab5a2d5ec3234bd64b00f25ba510	no	5
Warnings:					
Information:					
2	Petition for review by the Office of Petitions	132148-4Additional_Circumstances.pdf	117378 15d9a72df5a31b56016f91c82adc69c8ba88e3d5	no	5
Warnings:					
Information:					
3	Fee Worksheet (SB06)	fee-info.pdf	38502 a875791ef4164903cff757bf325390e2b7e1a89e	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	622423		

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.
13/067,878	10/27/2015	9172765	DE1010US	8104

7590 10/07/2015

ANDREW C. AITKEN
P.O. BOX 1810
WHEATON, MD 20915

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 621 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):

Philipp W. Beisel, San Jose, CA;

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

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail **Mail Stop ISSUE FEE**
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (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)

7590 06/18/2015
ANDREW C. AITKEN
P.O. BOX 1810
WHEATON, MD 20915

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 facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/067,878	07/01/2011	Philipp W. Beisel	DE1010US	8104

TITLE OF INVENTION: Polling-based secure network message notification system and method with performance enhancing features

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	$480	$0	$0	$480	09/18/2015

EXAMINER	ART UNIT	CLASS-SUBCLASS
AHMED, MOHAMMED	2456	709-206000

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 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list
(1) The names of up to 3 registered patent attorneys or agents OR, alternatively,
(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.
1 ANDREW C. AITKEN
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 has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE: Desktop Alert, Inc.
(B) RESIDENCE: (CITY and STATE OR COUNTRY): Chatham, New Jersey

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

4a. The following fee(s) are submitted:
☒ Issue Fee
☐ Publication Fee (No small entity discount permitted)
☐ Advance Order - # of Copies _____

4b. Payment of Fee(s): **(Please first reapply any previously paid issue fee shown above)**
☐ A check is enclosed.
☐ Payment by credit card. Form PTO-2038 is attached.
☐ The director is hereby authorized to charge the required fee(s), any deficiency, or credits any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

5. **Change in Entity Status** (from status indicated above)
☐ Applicant certifying micro entity status. See 37 CFR 1.29
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.
☐ Applicant asserting small entity status. See 37 CFR 1.27
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.
☐ Applicant changing to regular undiscounted fee 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 Sept 18, 2015
Typed or printed name ANDREW C. AITKEN Registration No. 36,729

OMB 0651-0033 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Electronic Patent Application Fee Transmittal

Application Number:	13067878
Filing Date:	01-Jul-2011
Title of Invention:	Polling-based secure network message notification system and method with performance enhancing features
First Named Inventor/Applicant Name:	Philipp W. Beisel
Filer:	Andrew Charles Aitken
Attorney Docket Number:	DE1010US

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	480	480

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension-of-Time:				
Miscellaneous:				
			Total in USD ($)	**480**

Electronic Acknowledgement Receipt	
EFS ID:	23536119
Application Number:	13067878
International Application Number:	
Confirmation Number:	8104
Title of Invention:	Polling-based secure network message notification system and method with performance enhancing features
First Named Inventor/Applicant Name:	Philipp W. Beisel
Correspondence Address:	ANDREW C. AITKEN - P.O. BOX 1810 - WHEATON MD 20915 US 3015373299 acaitken@aitkenenlawofficers.com
Filer:	Andrew Charles Aitken
Filer Authorized By:	
Attorney Docket Number:	DE1010US
Receipt Date:	18-SEP-2015
Filing Date:	01-JUL-2011
Time Stamp:	13:53:54
Application Type:	Utility under 35 USC 111(a)

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Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	30454 705e269cddc0ea1c4e51eb06d857e25c73b4ad11	no	2
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If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

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

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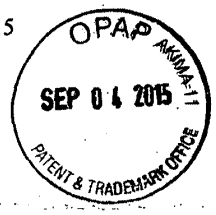
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United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/067,878	07/01/2011	Philipp W. Beisel	DE1010US	8104

7590 06/29/2015

ANDREW C. AITKEN
P.O. BOX 1810
WHEATON, MD 20915



EXAMINER	
AHMED, MOHAMMED	

ART UNIT	PAPER NUMBER
2456	

MAIL DATE	DELIVERY MODE
06/29/2015	PAPER

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.

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P.O. Box 1450
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Application No. : 13067878
Applicant : Beisel
Filing Date : 07/01/2011
Date Mailed : 06/29/2015

NOTICE TO FILE CORRECTED APPLICATION PAPERS

Notice of Allowance Mailed

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

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

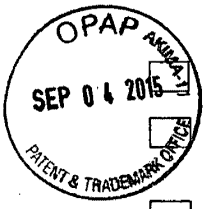
The informalities requiring correction are indicated in the attachment(s). If the informality pertains to the abstract, specification (including claims) or drawings, the informality must be corrected with an amendment in compliance with 37 CFR 1.121 (or, if the application is a reissue application, 37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

See attachment(s).

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

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Application No. 13067878 **Drawings filed:** 07/01/2011



IDENTIFICATION OF DRAWING DEFICIENCIES

- [ ] There is a hole or the image thereof within the illustration. FIG(s)
- [ ] The illustration is penetrated or traversed by a solid or broken line that is not intended to be part of the drawing, such as a dark line caused by a flaw in the copying process. FIG(s)
- [ ] An ink stamp or the image thereof obscures part of the illustration. FIG(s)
- [ ] The drawing is marred by black smudges, obliterations, or fax/copier marks (for example, speckles or dots in a substantial portion of the drawing). FIG(s)
- [ ] Figure numbers are duplicated or missing. FIG(s)
- [ ] Drawing sheet or figure is missing. FIG(s)
- [ ] Numbers, letters, or reference characters in the drawing have been crossed out or are illegibly handwritten. FIG(s)
- [X] The character of the lines, numbers, and letters is poor. FIG(s) 1-14
- [ ] The drawing's background shows that the original drawing was made on graph paper or other paper with a pattern or decoration. FIG(s)
- [ ] The FIG. number label is placed in a location that causes the drawing to be read upside down. FIG(s)
- [ ] Data, a reference number, or part of the drawing is truncated or missing, or a lead line has no reference number. FIG(s)
- [ ] The drawing and/or the FIG. label contain(s) foreign language. FIG(s)
- [ ] This utility application contains a photograph of a view that is capable of being illustrated as a line drawing. FIG(s)
- [ ] A petition under 37 CFR 1.84(a)(2) to accept color drawings has been granted, but the brief description of the drawings in the specification does not contain (or has not been amended to contain) the paragraph required by 37 CFR 1.84(a)(2)(iii).
- [ ] This reissue application contains added and/or amended drawings that are not labeled as "New" or "Amended" or "Canceled" as required by 37 CFR 1.173(b)(3). FIG(s)
- [ ] This Design reissue application contains a drawing that is labeled as "Canceled" but is not surrounded by brackets, or a drawing that is surrounded by brackets but is not labeled as "Canceled." See 37 CFR 1.173(b)(3). FIG(s)
- [ ] OTHER:
- [ ] COMMENTS:

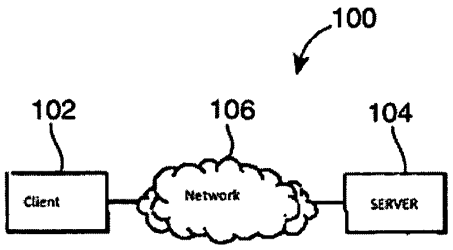

100
102
106
104
Client
Network
SERVER

FIG. 1

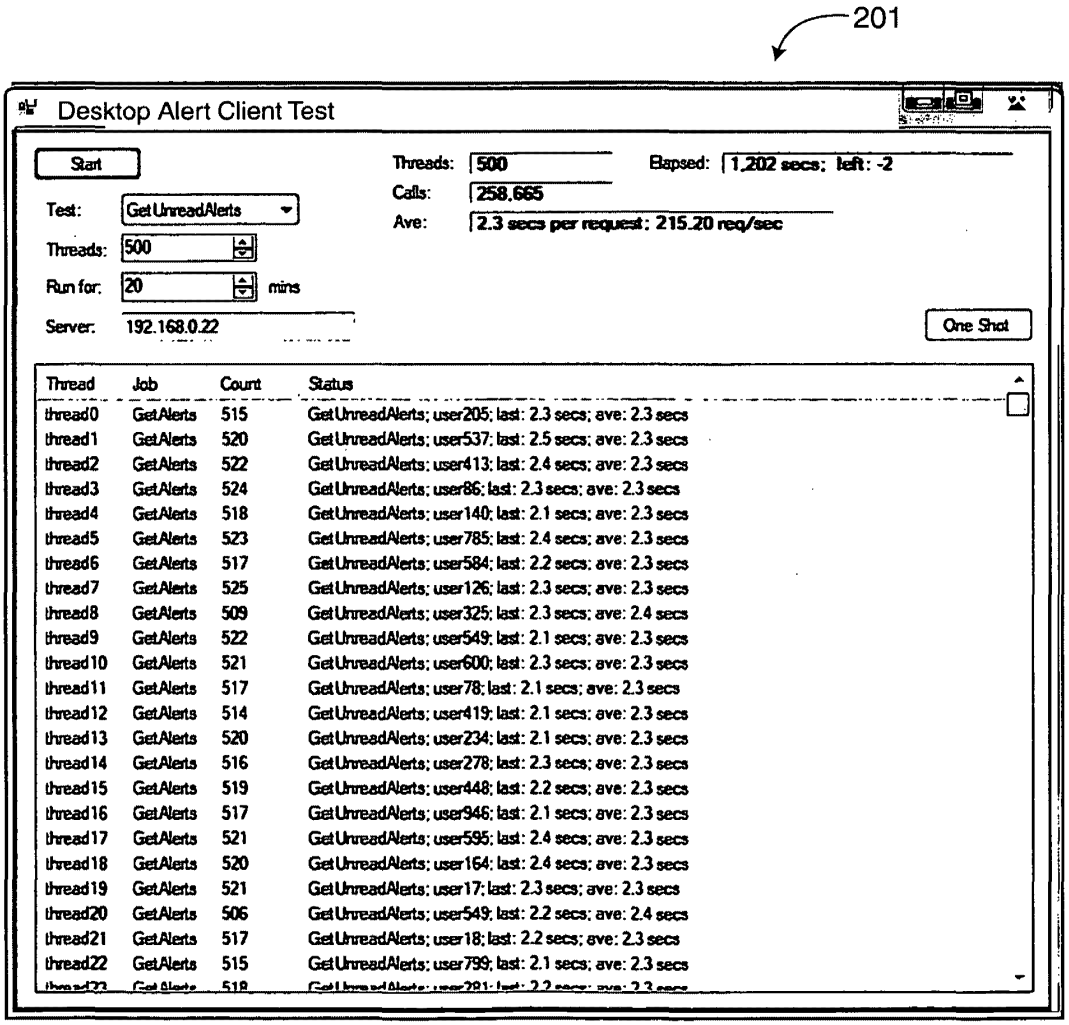

201
Desktop Alert Client Test
Start
Test:
GetUnreadAlerts
Threads:
500
Run for:
20
mins
Server:
192.168.0.22
Threads:
500
Elapsed:
1,202 secs; left: -2
Calls:
258,665
Ave:
2.3 secs per request; 215.20 req/sec
One Shot
Thread
Job
Count
Status
thread0 GetAlerts 515 GetUnreadAlerts; user205; last: 2.3 secs; ave: 2.3 secs
thread1 GetAlerts 520 GetUnreadAlerts; user537; last: 2.5 secs; ave: 2.3 secs
thread2 GetAlerts 522 GetUnreadAlerts; user413; last: 2.4 secs; ave: 2.3 secs
thread3 GetAlerts 524 GetUnreadAlerts; user86; last: 2.3 secs; ave: 2.3 secs
thread4 GetAlerts 518 GetUnreadAlerts; user140; last: 2.1 secs; ave: 2.3 secs
thread5 GetAlerts 523 GetUnreadAlerts; user785; last: 2.4 secs; ave: 2.3 secs
thread6 GetAlerts 517 GetUnreadAlerts; user584; last: 2.2 secs; ave: 2.3 secs
thread7 GetAlerts 525 GetUnreadAlerts; user126; last: 2.3 secs; ave: 2.3 secs
thread8 GetAlerts 509 GetUnreadAlerts; user325; last: 2.3 secs; ave: 2.4 secs
thread9 GetAlerts 522 GetUnreadAlerts; user549; last: 2.1 secs; ave: 2.3 secs
thread10 GetAlerts 521 GetUnreadAlerts; user600; last: 2.3 secs; ave: 2.3 secs
thread11 GetAlerts 517 GetUnreadAlerts; user78; last: 2.1 secs; ave: 2.3 secs
thread12 GetAlerts 514 GetUnreadAlerts; user419; last: 2.1 secs; ave: 2.3 secs
thread13 GetAlerts 520 GetUnreadAlerts; user234; last: 2.1 secs; ave: 2.3 secs
thread14 GetAlerts 516 GetUnreadAlerts; user278; last: 2.3 secs; ave: 2.3 secs
thread15 GetAlerts 519 GetUnreadAlerts; user448; last: 2.2 secs; ave: 2.3 secs
thread16 GetAlerts 517 GetUnreadAlerts; user946; last: 2.1 secs; ave: 2.3 secs
thread17 GetAlerts 521 GetUnreadAlerts; user595; last: 2.4 secs; ave: 2.3 secs
thread18 GetAlerts 520 GetUnreadAlerts; user164; last: 2.4 secs; ave: 2.3 secs
thread19 GetAlerts 521 GetUnreadAlerts; user17; last: 2.3 secs; ave: 2.3 secs
thread20 GetAlerts 506 GetUnreadAlerts; user549; last: 2.2 secs; ave: 2.4 secs
thread21 GetAlerts 517 GetUnreadAlerts; user18; last: 2.2 secs; ave: 2.3 secs
thread22 GetAlerts 515 GetUnreadAlerts; user799; last: 2.1 secs; ave: 2.3 secs

FIG. 2

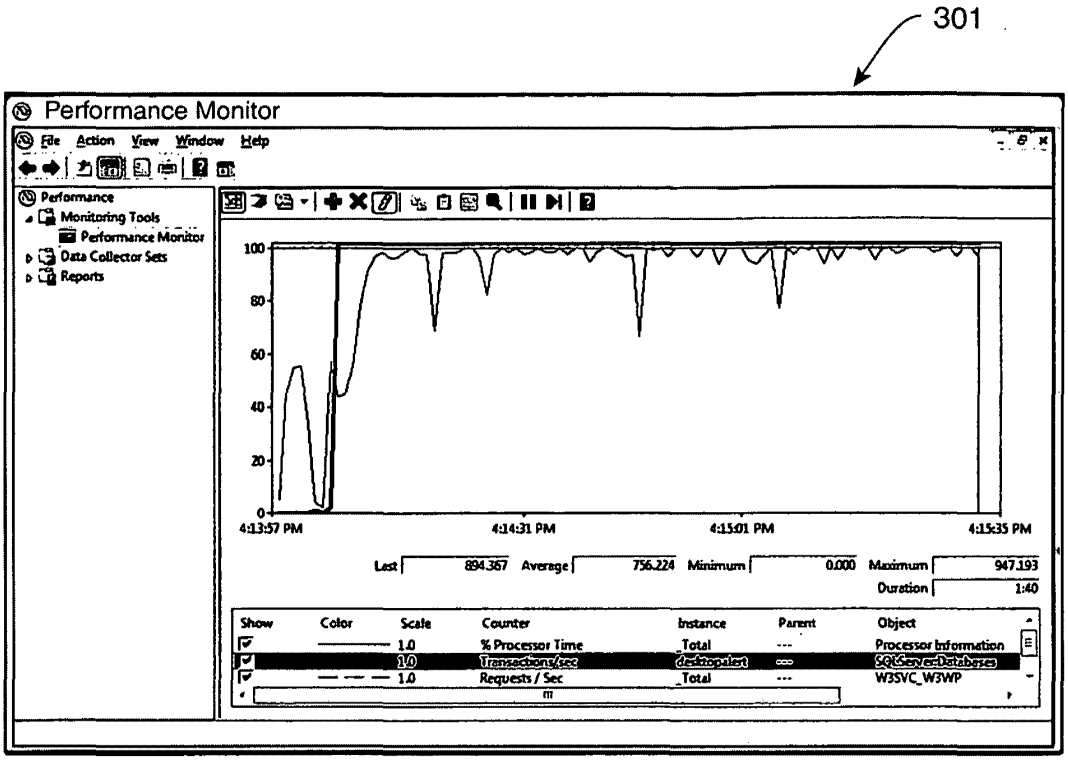


FIG. 3: Before: Database transactions/second

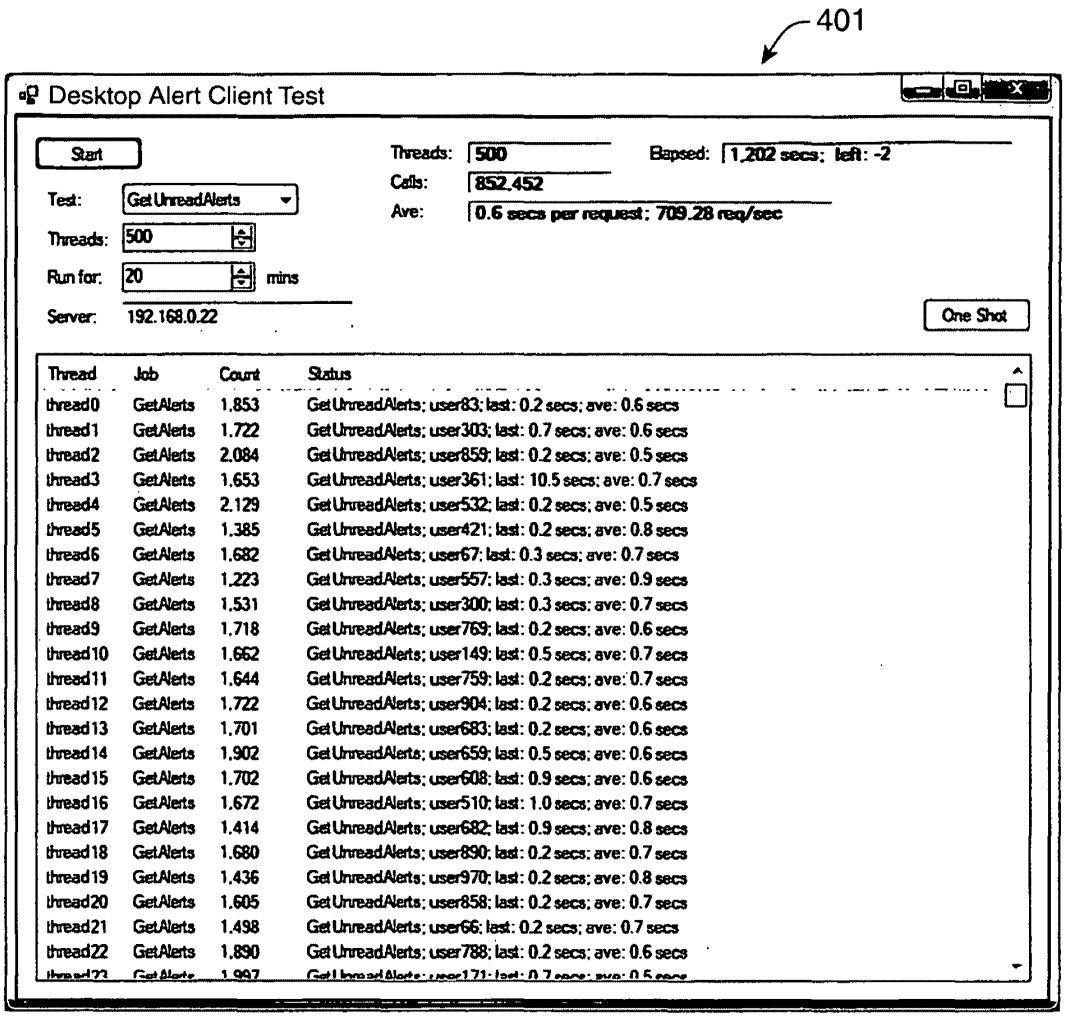


FIG. 4: After: Test Client throughput

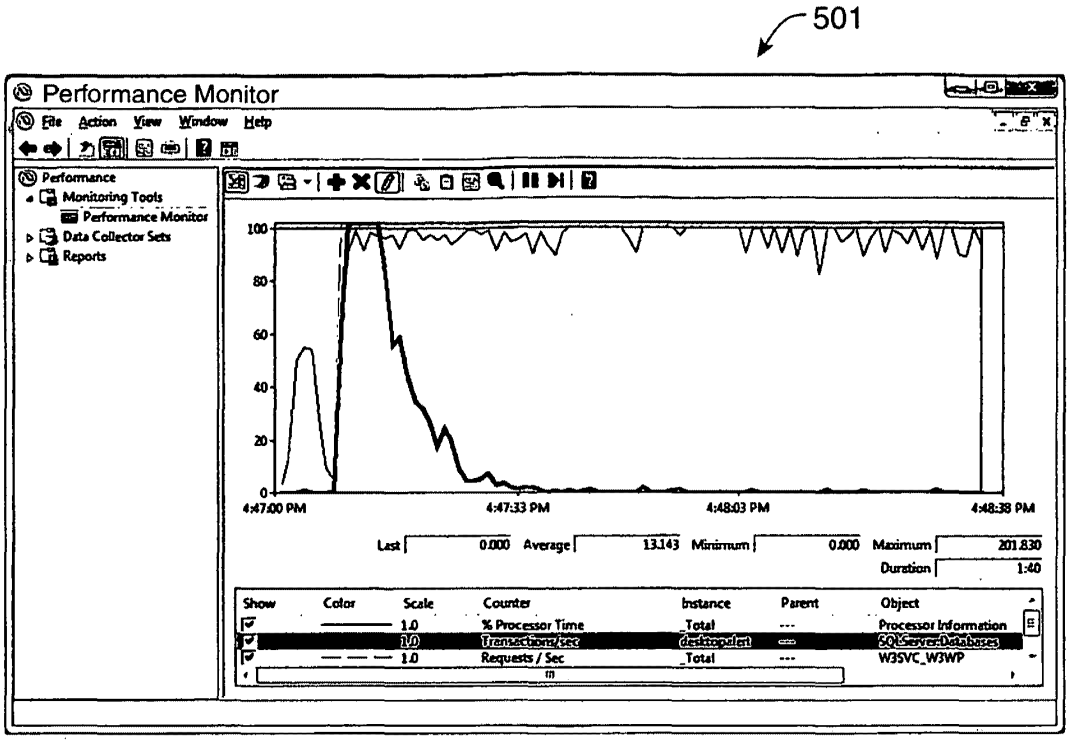


FIG. 5: After: Database transactions/second

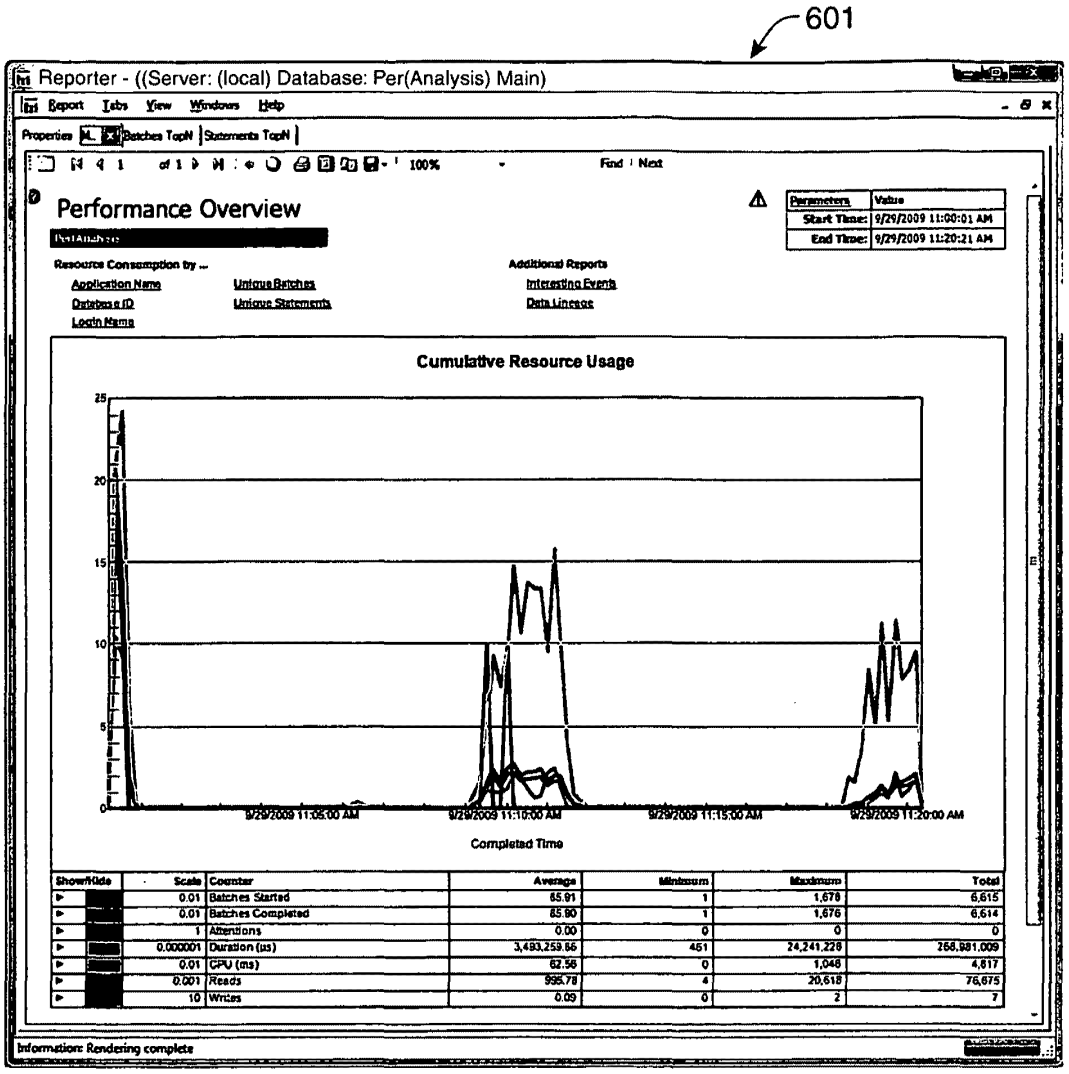


FIG. 6: After: Database Activity (reads/writes)

701

```
<?xml version="1.0" encoding="utf-8" ?>
- <soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:wsa="http://schemas.xmlsoap.org/ws/2004/08/addressing" xmlns:wsse="http://docs.oasis-
  open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd" xmlns:wsu="http://docs.oasis-
  open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
 - <soap:Header>
    <wsa:Action>http://service.desktopalert.net/AlertService.asmx/GetUnreadAlerts</wsa:Action>
    <wsa:MessageID>urn:uuid:2cb954a2-e83a-42ca-98f4-01fedca8b7d2</wsa:MessageID>
   - <wsa:ReplyTo>
      <wsa:Address>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:Address>
    </wsa:ReplyTo>
    <wsa:To>http://192.168.0.22/Web/AlertService.asmx</wsa:To>
   - <wsse:Security soap:mustUnderstand="1">
     - <wsu:Timestamp wsu:Id="Timestamp-d91ed39b-7cfc-4859-a220-7940109fc301">
        <wsu:Created>2009-09-19T22:26:38Z</wsu:Created>
        <wsu:Expires>2009-09-19T22:31:38Z</wsu:Expires>
      </wsu:Timestamp>
     - <wsse:UsernameToken xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-
        utility-1.0.xsd" wsu:Id="SecurityToken-09f8aebb-5c0b-4c35-8ead-5c62b36abbc8">
        <wsse:Username>pbeisel</wsse:Username>
        <wsse:Password Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-token-
          profile-1.0#PasswordDigest">AzQ217nCc0K+md4+R6HXlARzSlU=</wsse:Password>
        <wsse:Nonce>W/wLHhWhDcPPyKWBVX/zew==</wsse:Nonce>
        <wsu:Created>2009-09-19T22:26:38Z</wsu:Created>
      </wsse:UsernameToken>
    </wsse:Security>
  </soap:Header>
 - <soap:Body>
    <GetUnreadAlerts xmlns="http://service.desktopalert.net/AlertService.asmx" />
  </soap:Body>
</soap:Envelope>
```

FIG. 7

801

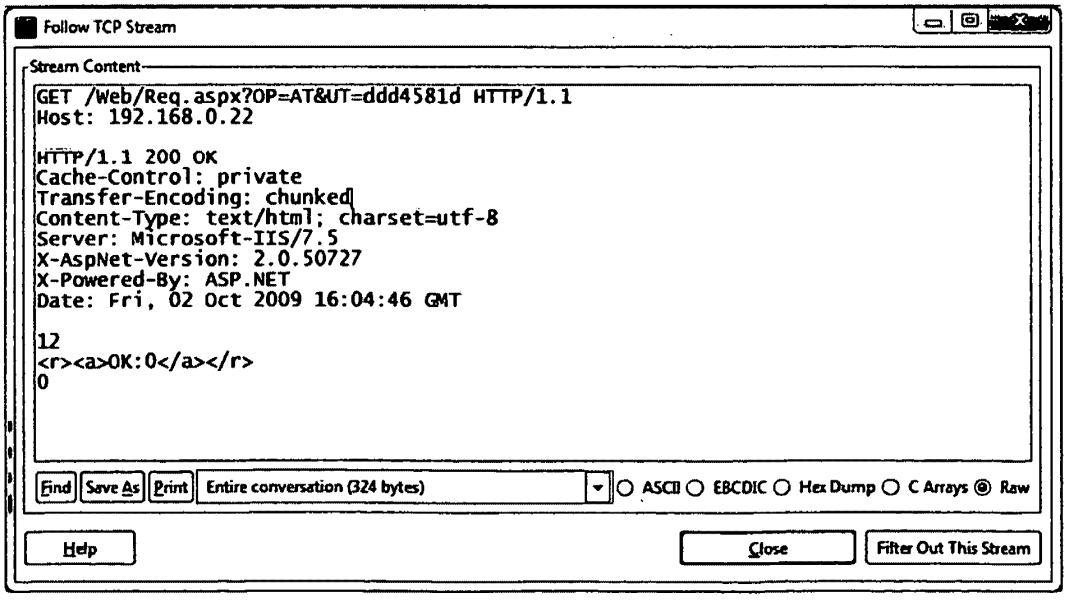


FIG. 8

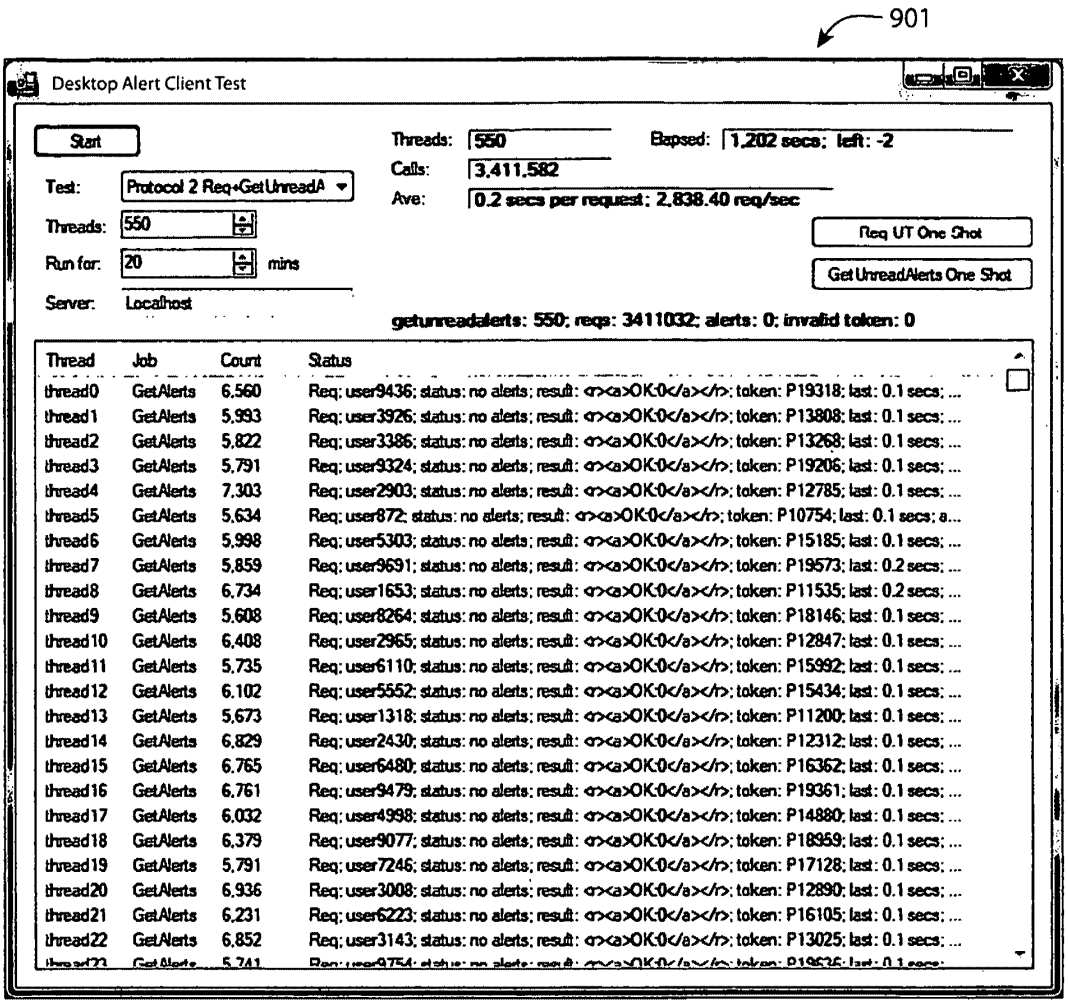

901
Desktop Alert Client Test
Start
Test:
Protocol 2 Req+GetUnreadA
Threads:
550
Run for:
20
mins
Server:
Localhost
Threads:
550
Elapsed:
1,202 secs; left: -2
Calls:
3,411,582
Ave:
0.2 secs per request; 2,838.40 req/sec
Req UT One Shot
GetUnreadAlerts One Shot
getunreadalerts: 550; reqs: 3411032; alerts: 0; invalid token: 0
Thread
Job
Count
Status
thread0 GetAlerts 6,560 Req: user9436; status: no alerts; result: <r><a>OK:0</r>; token: P19318; last: 0.1 secs; ...
thread1 GetAlerts 5,993 Req: user3926; status: no alerts; result: <r><a>OK:0</r>; token: P13808; last: 0.1 secs; ...
thread2 GetAlerts 5,822 Req: user3386; status: no alerts; result: <r><a>OK:0</r>; token: P13268; last: 0.1 secs; ...
thread3 GetAlerts 5,791 Req: user9324; status: no alerts; result: <r><a>OK:0</r>; token: P19206; last: 0.1 secs; ...
thread4 GetAlerts 7,303 Req: user2903; status: no alerts; result: <r><a>OK:0</r>; token: P12785; last: 0.1 secs; ...
thread5 GetAlerts 5,634 Req: user872; status: no alerts; result: <r><a>OK:0</r>; token: P10754; last: 0.1 secs; a...
thread6 GetAlerts 5,998 Req: user5303; status: no alerts; result: <r><a>OK:0</r>; token: P15185; last: 0.1 secs; ...
thread7 GetAlerts 5,859 Req: user9691; status: no alerts; result: <r><a>OK:0</r>; token: P19573; last: 0.2 secs; ...
thread8 GetAlerts 6,734 Req: user1653; status: no alerts; result: <r><a>OK:0</r>; token: P11535; last: 0.2 secs; ...
thread9 GetAlerts 5,608 Req: user8264; status: no alerts; result: <r><a>OK:0</r>; token: P18146; last: 0.1 secs; ...
thread10 GetAlerts 6,408 Req: user2965; status: no alerts; result: <r><a>OK:0</r>; token: P12847; last: 0.1 secs; ...
thread11 GetAlerts 5,735 Req: user6110; status: no alerts; result: <r><a>OK:0</r>; token: P15992; last: 0.1 secs; ...
thread12 GetAlerts 6,102 Req: user5552; status: no alerts; result: <r><a>OK:0</r>; token: P15434; last: 0.1 secs; ...
thread13 GetAlerts 5,673 Req: user1318; status: no alerts; result: <r><a>OK:0</r>; token: P11200; last: 0.1 secs; ...
thread14 GetAlerts 6,829 Req: user2430; status: no alerts; result: <r><a>OK:0</r>; token: P12312; last: 0.1 secs; ...
thread15 GetAlerts 6,765 Req: user6480; status: no alerts; result: <r><a>OK:0</r>; token: P16362; last: 0.1 secs; ...
thread16 GetAlerts 6,761 Req: user9479; status: no alerts; result: <r><a>OK:0</r>; token: P19361; last: 0.1 secs; ...
thread17 GetAlerts 6,032 Req: user4998; status: no alerts; result: <r><a>OK:0</r>; token: P14880; last: 0.1 secs; ...
thread18 GetAlerts 6,379 Req: user9077; status: no alerts; result: <r><a>OK:0</r>; token: P18959; last: 0.1 secs; ...
thread19 GetAlerts 5,791 Req: user7246; status: no alerts; result: <r><a>OK:0</r>; token: P17128; last: 0.1 secs; ...
thread20 GetAlerts 6,936 Req: user3008; status: no alerts; result: <r><a>OK:0</r>; token: P12890; last: 0.1 secs; ...
thread21 GetAlerts 6,231 Req: user6223; status: no alerts; result: <r><a>OK:0</r>; token: P16105; last: 0.1 secs; ...
thread22 GetAlerts 6,852 Req: user3143; status: no alerts; result: <r><a>OK:0</r>; token: P13025; last: 0.1 secs; ...

FIG. 9

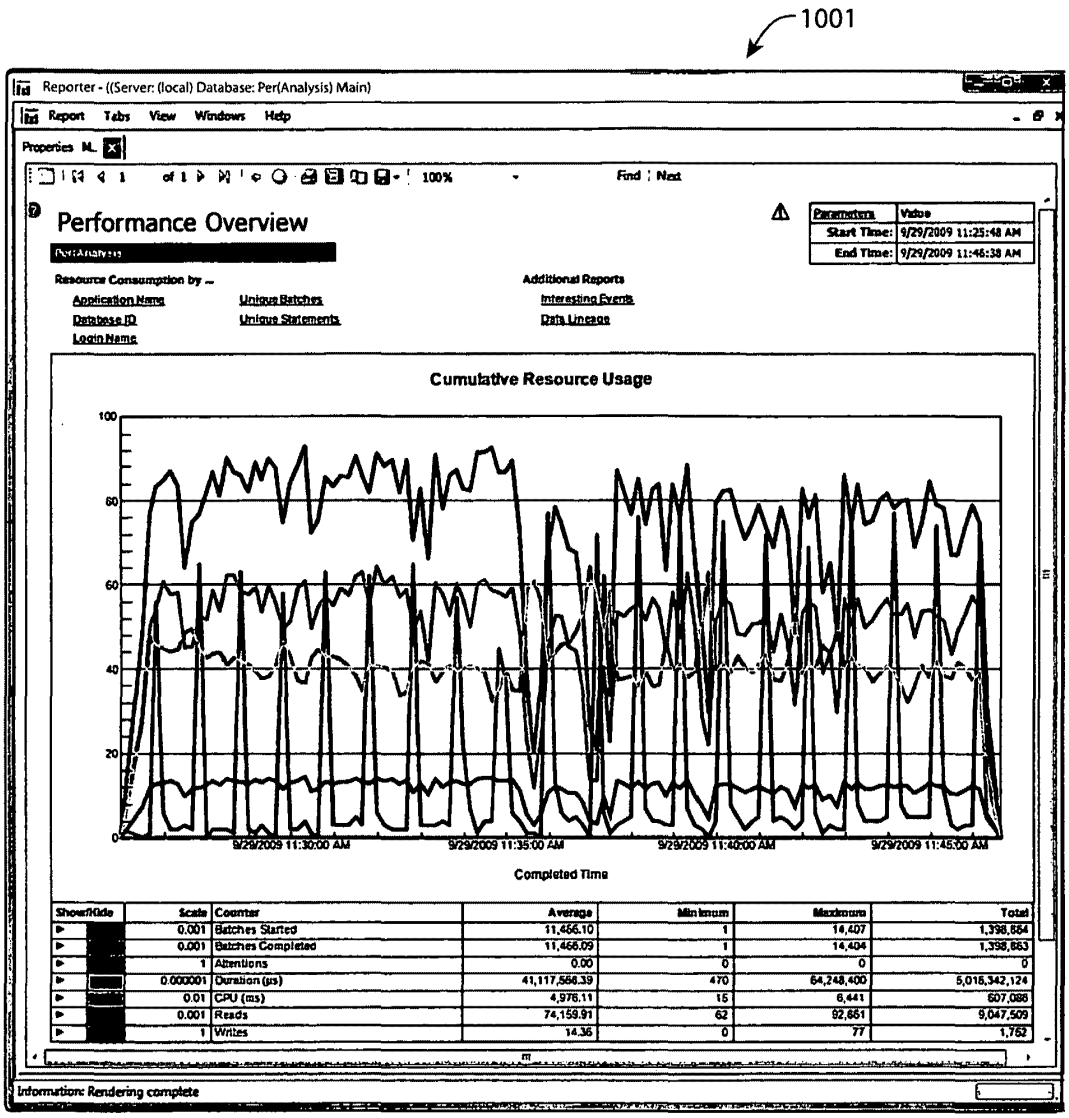


FIG. 10 Database Use Before (reads/writes)

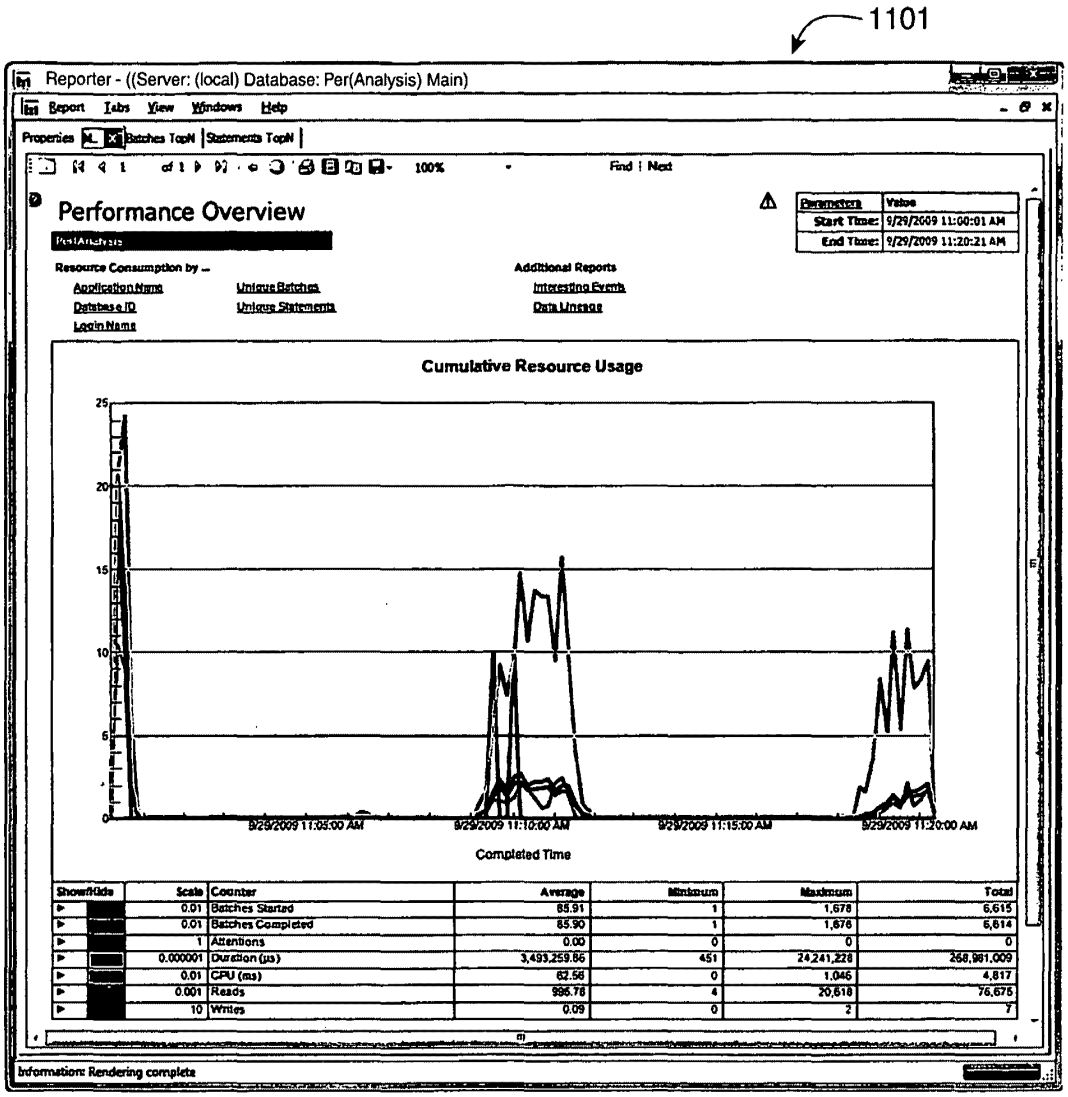


FIG. 11 Database Use After (reads/writes)

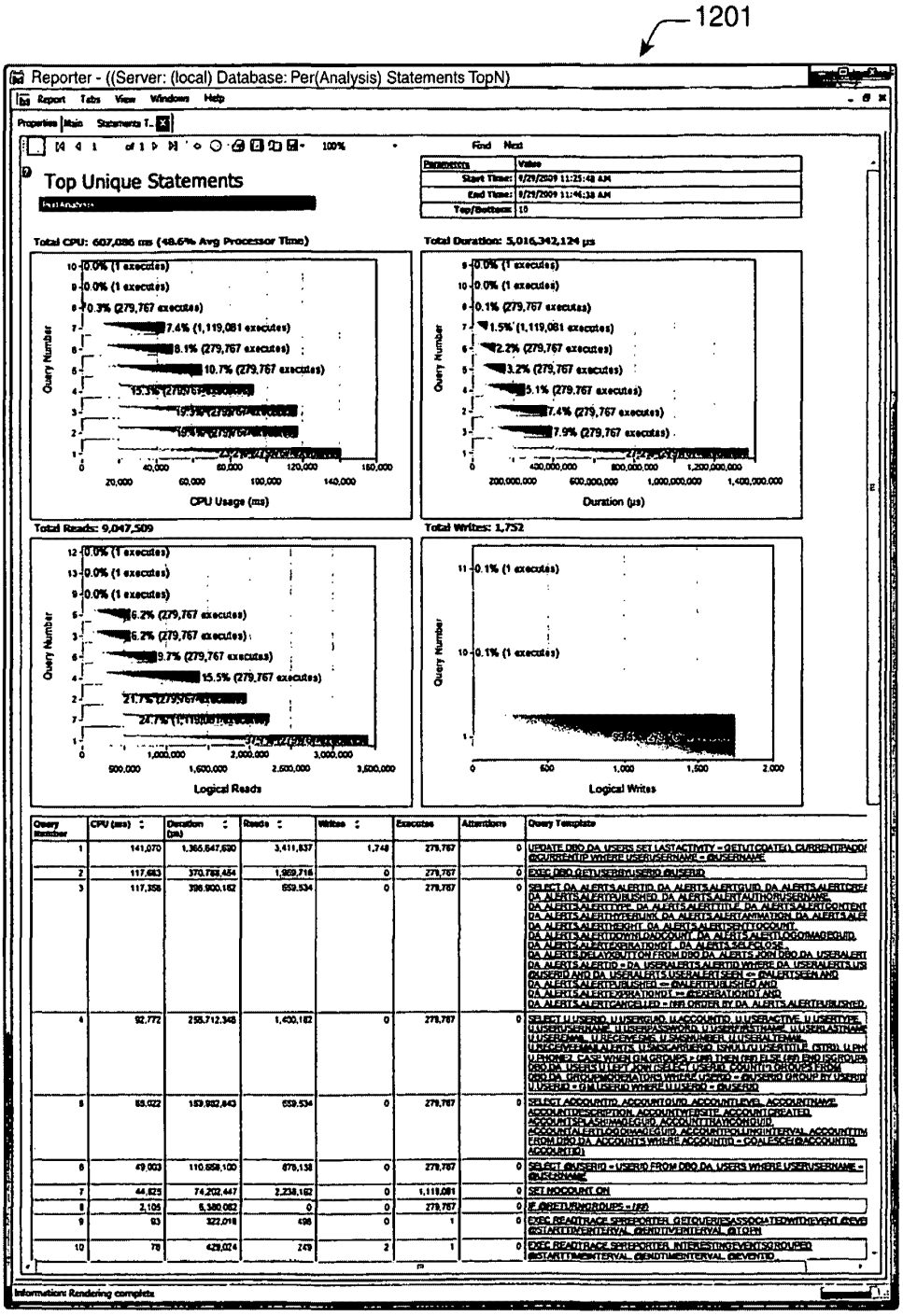


FIG. 12. SQL Statement use, before

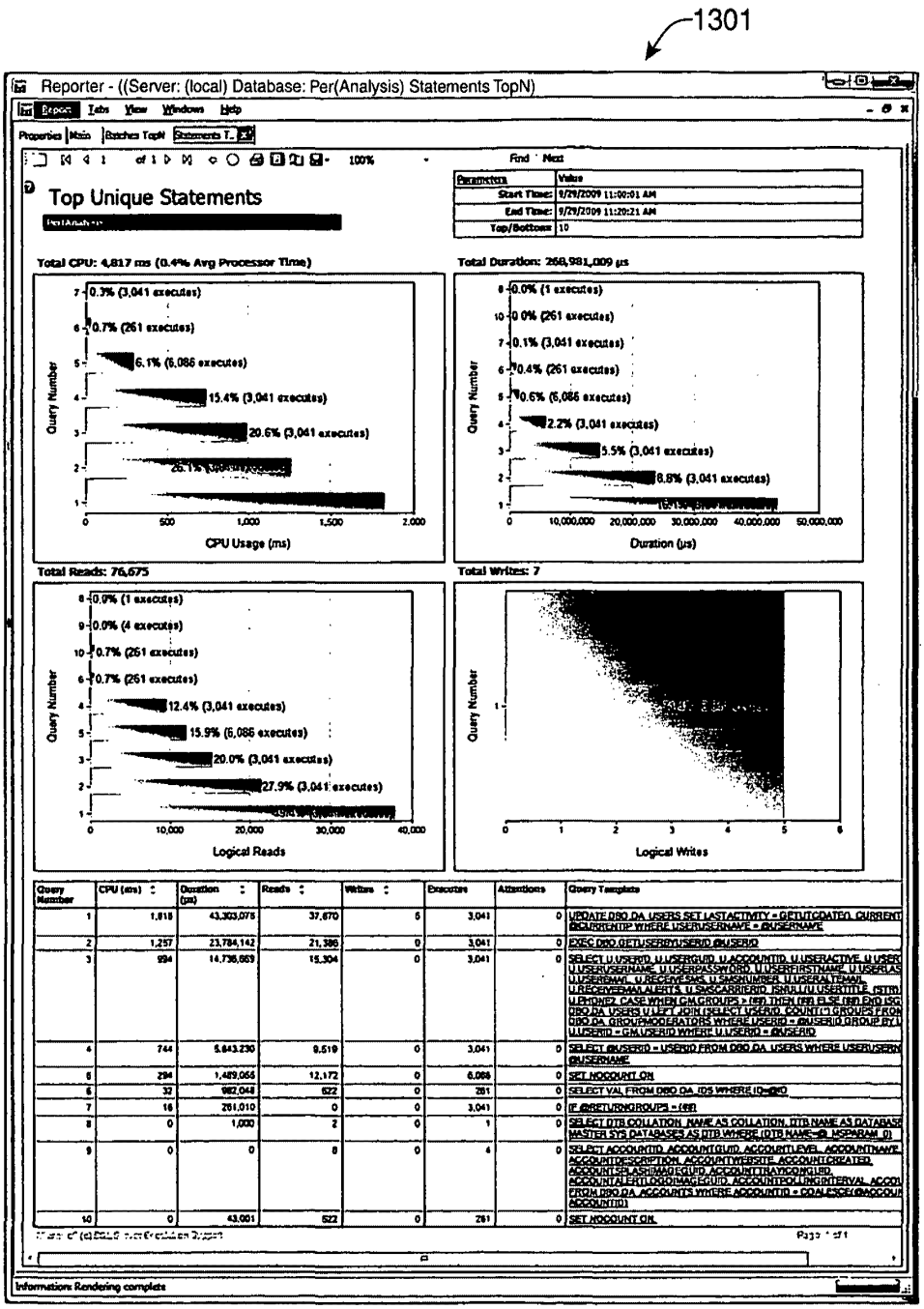


FIG. 13. SQL Statement use, after

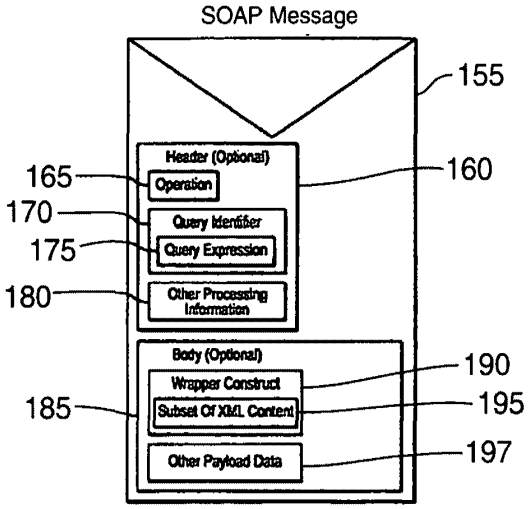

SOAP Message
155
Header (Optional)
165
Operation
160
170
Query Identifier
175
Query Expression
180
Other Processing Information
Body (Optional)
190
Wrapper Construct
185
Subset Of XML Content
195
Other Payload Data
197

FIG. 14

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Philipp Beisel

Application No. 13,067,878 Examiner: Ahmed, Mohammed

Filing Date: 07/01/2011 Confirmation No.: 8104

Attorney Docket No.: DE1010US

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Alexandria VA 22313-1450

Dear Sir:

This paper responds to the Notice to File Corrected Application Papers (Notice) dated July 29, 2015. In response to the requirement set forth in the notice the applicant submits herewith eight replacement drawings, enclosed herein, reflecting Figs 1-14. Also enclosed is a copy of the Notice.

Respectfully submitted,

August 31, 2014

Andrew C. Aitken Reg. No. 36,729
P.O. Box 1810
Wheaton, MD 20915
(301) 537-3299



Certificate of Mailing

I hereby certify a copy of the foregoing RESPONSE TO NOTICE TO FILE CORRECTED APPLICATION PAPERS, replacement drawings and Notice and was mailed this 31st Day of August 2015, first class mail, postage prepaid, to

Mail Stop Issue Fee
Commissioner for Patents
United States Patent and Trademark Office
P.O. Box 1450
Alexandria VA 22313-1450

Andrew C. Aitken

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/067,878	07/01/2011	Philipp W. Beisel	DE1010US	8104

7590 06/29/2015

ANDREW C. AITKEN
P.O. BOX 1810
WHEATON, MD 20915

EXAMINER
AHMED, MOHAMMED

ART UNIT	PAPER NUMBER
2456	

MAIL DATE	DELIVERY MODE
06/29/2015	PAPER

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.

UNITED STATES PATENT AND TRADEMARK OFFICE

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

Application No. : 13067878
Applicant : Beisel
Filing Date : 07/01/2011
Date Mailed : 06/29/2015

NOTICE TO FILE CORRECTED APPLICATION PAPERS

Notice of Allowance Mailed

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

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

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

See attachment(s).

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

/Kam Sin/
Publication Branch
Office of Data Management
(571) 272-4200

Application No. 13067878 **Drawings filed: 07/01/2011**

IDENTIFICATION OF DRAWING DEFICIENCIES

- [ ] There is a hole or the image thereof within the illustration. FIG(s)
- [ ] The illustration is penetrated or traversed by a solid or broken line that is not intended to be part of the drawing, such as a dark line caused by a flaw in the copying process. FIG(s)
- [ ] An ink stamp or the image thereof obscures part of the illustration. FIG(s)
- [ ] The drawing is marred by black smudges, obliterations, or fax/copier marks (for example, speckles or dots in a substantial portion of the drawing). FIG(s)
- [ ] Figure numbers are duplicated or missing. FIG(s)
- [ ] Drawing sheet or figure is missing. FIG(s)
- [ ] Numbers, letters, or reference characters in the drawing have been crossed out or are illegibly handwritten. FIG(s)
- [X] The character of the lines, numbers, and letters is poor. FIG(s) 1-14
- [ ] The drawing's background shows that the original drawing was made on graph paper or other paper with a pattern or decoration. FIG(s)
- [ ] The FIG. number label is placed in a location that causes the drawing to be read upside down. FIG(s)
- [ ] Data, a reference number, or part of the drawing is truncated or missing, or a lead line has no reference number. FIG(s)
- [ ] The drawing and/or the FIG. label contain(s) foreign language. FIG(s)
- [ ] This utility application contains a photograph of a view that is capable of being illustrated as a line drawing. FIG(s)
- [ ] A petition under 37 CFR 1.84(a)(2) to accept color drawings has been granted, but the brief description of the drawings in the specification does not contain (or has not been amended to contain) the paragraph required by 37 CFR 1.84(a)(2)(iii).
- [ ] This reissue application contains added and/or amended drawings that are not labeled as “New” or “Amended” or “Canceled” as required by 37 CFR 1.173(b)(3). FIG(s)
- [ ] This Design reissue application contains a drawing that is labeled as “Canceled” but is not surrounded by brackets, or a drawing that is surrounded by brackets but is not labeled as “Canceled.” See 37 CFR 1.173(b)(3). FIG(s)
- [ ] OTHER:
- [ ] COMMENTS:

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
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NOTICE OF ALLOWANCE AND FEE(S) DUE

7590 06/18/2015

ANDREW C. AITKEN
P.O. BOX 1810
WHEATON, MD 20915

EXAMINER
AHMED, MOHAMMED

ART UNIT	PAPER NUMBER
2456	

DATE MAILED: 06/18/2015

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/067,878	07/01/2011	Philipp W. Beisel	DE1010US	8104

TITLE OF INVENTION: Polling-based secure network message notification system and method with performance enhancing features

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	$480	$0	$0	$480	09/18/2015

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: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail **Mail Stop ISSUE FEE**
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (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)

7590 06/18/2015

ANDREW C. AITKEN
P.O. BOX 1810
WHEATON, MD 20915

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 facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/067,878	07/01/2011	Philipp W. Beisel	DE1010US	8104

TITLE OF INVENTION: Polling-based secure network message notification system and method with performance enhancing features

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	$480	$0	$0	$480	09/18/2015

EXAMINER	ART UNIT	CLASS-SUBCLASS
AHMED, MOHAMMED	2456	709-206000

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 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

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

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

1 _____

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 has been filed for recordation as set forth in 37 CFR 3.11. 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. The following fee(s) are submitted:

❑ Issue Fee

❑ Publication Fee (No small entity discount permitted)

❑ Advance Order - # of Copies _____

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

❑ A check is enclosed.

❑ Payment by credit card. Form PTO-2038 is attached.

❑ The director is hereby authorized to charge the required fee(s), any deficiency, or credits any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

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

❑ Applicant certifying micro entity status. See 37 CFR 1.29

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.

❑ Applicant asserting small entity status. See 37 CFR 1.27

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.

❑ Applicant changing to regular undiscounted fee 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. _____

PTOL-85 Part B (10-13) Approved for use through 10/31/2013. OMB 0651-0033 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/067,878	07/01/2011	Philipp W. Beisel	DE1010US	8104

7590 06/18/2015

ANDREW C. AITKEN
P.O. BOX 1810
WHEATON, MD 20915

EXAMINER	
AHMED, MOHAMMED	
ART UNIT	PAPER NUMBER
2456	

DATE MAILED: 06/18/2015

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 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, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Privacy Act Statement

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

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

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

Notice of Allowability	Application No. 13/067,878	Applicant(s) BEISEL, PHILIPP W.	
	Examiner MOHAMMED AHMED	Art Unit 2456	AIA (First Inventor to File) 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 *04/20/2015*.
   ☐ 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 *1-8 and 12-16*. 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 *06/09/2015* .
5. ☒ Examiner's Amendment/Comment
6. ☒ Examiner's Statement of Reasons for Allowance
7. ☐ Other _____.

/RICHARD G KEEHN/
Primary Examiner, Art Unit 2456

The present application is being examined under the pre-AIA first to invent provisions.

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 04/20/2015 has been entered. Claims 1-16 were pending. Claims 9-11 have been withdrawn. Claims 1, 6, and 13 have been amended. Claims 1-8, and 12-16 are currently pending.

EXAMINER'S AMENDMENT

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

Authorization for this examiner's amendment was given in a telephone interview with Andrew Aitken on 06/09/2015.

In the Claims

1. (Currently Amended) An improved method for the dissemination of an alert message to a plurality of personal computers using a network communications protocol, said

computers comprising clients, each said clients subscribing to a central server, said server comprising an alert message cache, said server adapted to receive and store alert messages, and said server adapted to generate and store alert ID numbers, said method comprising,

a first triggering step comprises the use of a HTTP packet comprising a request for a Boolean value relating to whether there are new alert messages ~~to~~ and said packet comprises approximately 20 bytes,

a second step wherein said client contacts the central server and requests the value of said alert ID number in said memory, said value reflecting the number of alert messages received by said central server,

a third step wherein said server transmits said value to said client,

a fourth step wherein said client compares a stored value at the client with the value of the transmitted alert ID number, and

if said transmitted value exceeds said stored value, a fifth step wherein said client transmits a second message to said server and requests for the server to transmit all unread alert messages in a GetUnreadAlerts request from said server that are specific to said client, and

if there are unread alert messages specific to said client in said server, a sixth step wherein said server sends to client all unread alert messages specific to the client, and,

a further step wherein said client updates the stored value in its memory to reflect the number of additional unread alert messaged transmitted from said server to said client in response to said second message, and

wherein, upon the reception of said unread alert messages in said sixth step, said alert messages are in instant message format and said client opens a window on a display panel to display said alert messages,

wherein said communications protocol comprises protocols for the transmission of messages over the internet.

13. (Currently amended) A system for providing alert messages to a plurality of clients using a polling-based network, said system comprising a plurality of clients, at least one server in communication with said clients using a network connection, said central server provided with input devices to receive alert messages, and a database, said database for storing said alert messages, and said processor having programming instructions to create and store an alert ID value corresponding to alert messages stored in said database, and said clients adapted to communicate with said server using an RPC communications protocol wherein said protocol further comprises a first triggering step comprises the use of a HTTP packet comprising a request for a Boolean value relating to whether there are new alert messages ~~to~~ and said packet comprises approximately 20 bytes, and

further communication from said client to said server requesting a Get Alert Messages using a SOAP communications protocol and wherein said client is

transmitted an Alert ID message value from said server to said client, and if said Alert ID message value matches a stored message value, the client will further request from said server any alert messages to which it subscribes, and in response to said requests, said server transmits any unread alert messages and said unread alert message are in instant message format and upon the client's reception of said unread alert messages said client opens a window on a display panel at said client, and

wherein said communications protocol comprises protocols for the transmission of messages over the internet.

Reasons for Allowance

The following is an examiner's statement of reasons for allowance: The prior art on record fails to anticipate or make obvious, either alone or in combination, the claims presented on 04/20/2015 in addition to the Examiner Amendment above.

Specifically the limitations:

"An improved method for the dissemination of an alert message to a plurality of personal computers using a network communications protocol, said computers comprising clients, each said clients subscribing to a central server, said server comprising an alert message cache, said server adapted to receive and store alert messages, and said server adapted to generate and store alert ID numbers, said method comprising,

a first triggering step comprises the use of a HTTP packet comprising a request for a Boolean value relating to whether there are new alert messages ~~to~~ and said packet comprises approximately 20 bytes,

a second step wherein said client contacts the central server and requests the value of said alert ID number in said memory, said value reflecting the number of alert messages received by said central server,

a third step wherein said server transmits said value to said client,

a fourth step wherein said client compares a stored value at the client with the value of the transmitted alert ID number, and

if said transmitted value exceeds said stored value, a fifth step wherein said client transmits a second message to said server and requests for the server to transmit all unread alert messages in a GetUnreadAlerts request from said server that are specific to said client, and

if there are unread alert messages specific to said client in said server, a sixth step wherein said server sends to client all unread alert messages specific to the client, and,

a further step wherein said client updates the stored value in its memory to reflect the number of additional unread alert messaged transmitted from said server to said client in response to said second message, and

wherein, upon the reception of said unread alert messages in said sixth step, said alert messages are in instant message format and said client opens a window on a display panel to display said alert messages,

wherein said communications protocol comprises protocols for the transmission of messages over the internet"

"A system for providing alert messages to a plurality of clients using a polling-based network, said system comprising a plurality of clients, at least one server in communication with said clients using a network connection, said central server provided with input devices to receive alert messages, and a database, said database for storing said alert messages, and said processor having programming instructions to create and store an alert ID value corresponding to alert messages stored in said database, and said clients adapted to communicate with said server using an RPC communications protocol wherein said protocol further comprises a first triggering step comprises the use of a HTTP packet comprising a request for a Boolean value relating to whether there are new alert messages ~~to~~ and said packet comprises approximately 20 bytes, and

further communication from said client to said server requesting a Get Alert Messages using a SOAP communications protocol and wherein said client is transmitted an Alert ID message value from said server to said client, and if said Alert ID message value matches a stored message value, the client will further request from said server any alert messages to which it subscribes, and in response to said requests, said server transmits any unread alert messages and said unread alert message are in instant message format and upon the client's reception of said unread alert messages said client opens a window on a display panel at said client, and

wherein said communications protocol comprises protocols for the transmission of messages over the internet"

together as claimed are all novel and not obvious. Claims 1-8, and 12-16 were pending and are now allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MOHAMMED AHMED whose telephone number is (571)270-5659. The examiner can normally be reached on Monday thru Friday 8 A.M.-5 P.M.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Philip Chea can be reached on (571) 272-3951. 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.

/M. A./
June 10, 2015
Examiner, Art Unit 2456

/RICHARD G KEEHN/
Primary Examiner, Art Unit 2456

Examiner-Initiated Interview Summary	**Application No.** 13/067,878	**Applicant(s)** BEISEL, PHILIPP W.	
	Examiner MOHAMMED AHMED	**Art Unit** 2456	

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

(1) *MOHAMMED AHMED*. (3)_____.

(2) *Andrew Aitken (Reg# 36729)*. (4)_____.

Date of Interview: *06/09/2015*.

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

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

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

Claim(s) discussed: *1 and 13*.

Identification of prior art discussed: _____.

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

Examiner informed Attorney of Record about the grammatical issues with independent claims 1 and 13. Attorney authorized Examiner to remedy all outstanding grammatical issues to bring application into condition for allowance. Examiner will proceed with Examiner Amendment to advance prosecution and ready application into condition for allowance.

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

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

☐ Attachment

/RICHARD G KEEHN/ Primary Examiner, Art Unit 2456	

Notice of References Cited	Application/Control No. 13/067,878	Applicant(s)/Patent Under Reexamination BEISEL, PHILIPP W.	
	Examiner MOHAMMED AHMED	Art Unit 2456	Page 1 of 2

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-2005/0246424	11-2005	Panec et al.	709/207
*	B	US-2006/0069734	03-2006	Gersh et al.	709/207
*	C	US-2003/0028587	02-2003	Driscoll et al.	709/203
*	D	US-2013/0110953	05-2013	SUTEDJA et al.	709/206
*	E	US-2005/0181767	08-2005	Boland et al.	455/412.2
*	F	US-2007/0198677	08-2007	Ozhan et al.	709/223
*	G	US-6,701,353	03-2004	Block, Frederick P.	709/219
*	H	US-2012/0197982	08-2012	Waher, Peter	709/203
*	I	US-2007/0136464	06-2007	GORTY et al.	709/224
*	J	US-2011/0209211	08-2011	Kuindersma et al.	726/12
*	K	US-2007/0202884	08-2007	Nykanen et al.	455/455
*	L	US-2013/0326019	12-2013	Haff et al.	709/217
*	M	US-2012/0036208	02-2012	Beisel, Philipp W.	709/206

FOREIGN PATENT DOCUMENTS

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

NON-PATENT DOCUMENTS

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

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

Notice of References Cited	Application/Control No. 13/067,878	Applicant(s)/Patent Under Reexamination BEISEL, PHILIPP W.	
	Examiner MOHAMMED AHMED	Art Unit 2456	Page 2 of 2

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-2010/0161362	06-2010	Shapira et al.	705/7
*	B	US-8,359,574	01-2013	Bannur et al.	717/120
*	C	US-7,975,025	07-2011	Szabo et al.	709/218
*	D	US-7,496,628	02-2009	Arnold et al.	709/206
*	E	US-2002/0087643	07-2002	Parsons et al.	709/206
*	F	US-6,871,214	03-2005	Parsons et al.	709/206
*	G	US-2010/0049815	02-2010	Vanecek et al.	709/206
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

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

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	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
	13067878	BEISEL, PHILIPP W.
	Examiner	Art Unit
	MOHAMMED AHMED	2456

CPC- SEARCHED		
Symbol	Date	Examiner
H04L29/12924; H04L51/24; H04L12/587, H04L29/06; H04L29/08045; H04L29/12018; H04L61/10; H04L61/6063; H04L63/0442; H04L63/08; H04L63/0823; H04L63/168	2/10/2014	M.A.
(H04L12/18; H04L12/1895; H04L51/24)	6/11/2015	M.A.
G06Q30/00; H04L67/2842; H04L67/306	6/11/2015	M.A.

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
709	224, 206	2/10/2014	M.A.

SEARCH NOTES		
Search Notes	Date	Examiner
see attached EAST history	2/10/2014	M.A.
see attached EAST history	11/15/2014	M.A.
see updated EAST history	6/11/2015	M.A.
discussed allowable subject matter with Primary Keehn	6/3/2015	M.A.
Interference Search	6/11/2015	M.A.
Double Patenting Search	6/11/2015	M.A.

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner
H04L	12/18; 12/1895; 51/24	6/11/2015	M.A.

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	13067878	BEISEL, PHILIPP W.
	Examiner	Art Unit
	MOHAMMED AHMED	2456

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

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

CLAIM		DATE								
Final	Original	09/08/2013	02/10/2014	11/15/2014	06/11/2015					
1	1	÷	✓	✓	=					
2	2	÷	✓	✓	=					
3	3	÷	✓	✓	=					
4	4	÷	✓	✓	=					
5	5	÷	✓	✓	=					
6	6	÷	✓	✓	=					
7	7	÷	✓	✓	=					
8	8	÷	✓	✓	=					
	9	÷	-	-	-					
	10	÷	-	-	-					
	11	÷	-	-	-					
9	12	÷	✓	✓	=					
10	13	÷	✓	✓	=					
11	14	÷	✓	✓	=					
12	15	÷	✓	✓	=					
13	16	÷	✓	✓	=					

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L16	48	poll$3 same (un$read or ("not" near read)) same message	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/14 22:05
L17	429	(un$read or ("not" near read)) same message same alert	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/14 22:24
L18	2	(un$read or ("not" near read)) same message same alert same HTTP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/14 22:24
L19	46902	(G06Q30/00; H04L67/2842; H04L67/306).cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/14 23:20
L20	18	L17 and L19	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/14 23:20
L21	12456	(H04L12/18; H04L12/1895; H04L51/24).cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/14 23:23
L22	30	L17 and L21	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/14 23:23
S2	207	alert with SOAP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/08/23 19:45
S3	161	S2 and @ad<"20100701"	US-PGPUB; USPAT;	OR	ON	2013/08/23 19:45

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S4	4	S3 and (HTTP near GET)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/08/23 19:45
S6	572	alert near ID	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/08/23 19:48
S7	943	alert near (ID or identification)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/08/23 19:48
S8	1	S7 same SOAP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/08/23 19:49
S9	40	S7 and SOAP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/08/23 19:50
S10	29	S9 and @ad<"20100701"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/08/23 19:50
S11	4	"20060069734" or "20030028587"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/08/26 05:59
S12	4	"20110004621" or "20070115936"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/08/26 06:45
S13	399	(un$read or ("not" adj read)) same alert	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/08 19:05
S14	356	S13 and @ad<"20110701"	US-PGPUB; USPAT;	OR	ON	2013/09/08 19:05

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S15	297	S13 and @pd<"20110701"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/08 19:05
S16	261	S13 and @pd<"20100701"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/08 19:05
S17	3	S14 and (HTTP near GET)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/08 19:06
S18	22	S14 and (SOAP)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/08 19:09
S19	329	(un$read or ("not" adj read)) same message same alert	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/08 19:13
S20	293	S19 and @ad<"20110701"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/08 19:13
S21	2	S20 and (HTTP and SOAP)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/08 19:14
S22	2	"20070115936"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/08 19:26
S23	8	(un$read or ("not" adj read)) near alert near message	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/08 19:31
S24	193	(un$read or ("not" adj read)) with alert with message	US-PGPUB; USPAT;	OR	ON	2013/09/08 19:33

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S25	174	S24 and @ad<"20110701"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/08 19:33
S26	1	S25 and (HTTP and SOAP)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/08 19:33
S28	6	alert near message near cache	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/08 19:36
S29	14415	SAAS	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 10:15
S30	2	S29 near poll$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 10:16
S31	10	S29 with poll$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 10:16
S32	3	desktop near alert near system	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 10:24
S33	210	(un$read or ("not" adj read)) with alert with message	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 16:04
S34	187	S33 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 16:10
S35	16	((un$read or ("not" adj read)) near alert) with message	US-PGPUB; USPAT;	OR	ON	2014/02/06 16:13

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S36	13	S35 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 16:13
S37	50	((un$read or ("not" adj read)) near alert)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 16:14
S38	45	S37 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 16:15
S39	4	(poll$3 near messages) with (change near3 number)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 19:34
S40	10	(poll$3 near messages) with (threshold near3 number)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 19:35
S41	12	poll$3 with (delta offset change) with (number value integer increment) with (alert alarm) and (get pull) and (http soap)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 19:37
S42	4000	(un$read or ("not" adj read)) with message	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 19:38
S43	2033	(un$read or ("not" adj read)) near message	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 19:38
S44	4	poll$3 with ((un$read or ("not" adj read)) near message)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 19:38
S45	4	2005/0181767	US-PGPUB; USPAT;	OR	ON	2014/02/06 19:47

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S46	3	"20050181767"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 19:47
S47	51	(@ad<"20100701" or @rlad<"20100701") and (get retriev$3 request$3 receiv$3) near7 unread same (compar$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 19:54
S48	12	poll$3 with ((un$read or ("not" adj read)) with message)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 19:58
S49	12	(@ad<"20100701" or @rlad<"20100701") and S48	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 19:58
S50	11	(@ad<"20100701" or @rlad<"20100701") and unread near3 (message email (e electronic) adj mail) near7 (count number amount) near7 request$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 20:04
S51	3214	H04L61/00.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/07 06:42
S52	18	S51 and SOAP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/07 06:42
S53	1	13/067878 and match$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 07:01
S54	374	client with compar$3 with messages with request	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 08:43
S55	331	S54 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT;	OR	ON	2014/02/10 08:44

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S56	1	S54 with SOAP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 08:44
S57	1	S54 same SOAP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 08:44
S58	29	S54 and SOAP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 08:44
S59	3	S54 and SOAP and (HTTP near GET)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 08:44
S60	28	S54 and SOAP and HTTP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 08:45
S61	26	S60 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 08:46
S62	0	compar$3 adj at adj client	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 08:48
S63	0	compar$3 near at near client	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 08:48
S64	25312724	EP1318461 A1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 08:51
S65	0	compar$3 adj on adj client	US-PGPUB; USPAT;	OR	ON	2014/02/10 08:51

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S66	0	compar$3 near on near client	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 08:51
S67	0	compar$3 near "on" near client	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 08:51
S68	0	compar$3 near "at" near client	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 08:51
S69	27	"1318461"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 08:51
S70	0	compar$3 adj at adj (client or user)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 08:54
S71	0	compar$3 near at near (client or user)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 08:54
S72	2	compar$3 near by near (client or user)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 08:55
S73	0	compar$3 adj by adj (client or user)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 08:55
S74	2	"20070220011"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 08:58
S75	5	"20010044828"	US-PGPUB; USPAT;	OR	ON	2014/02/10 09:02

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S76	14	"6701353"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 09:23
S77	7	"20110125845"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 09:30
S78	2	"20090240936"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 09:33
S79	52	(client$side or clientside or client-side) near compar$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 09:34
S80	0	(client$side or clientside or client-side) near compar$4 near message	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 09:34
S81	0	(client$side or clientside or client-side) near2 compar$4 near2 message	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 09:34
S82	95	(client$side or clientside or client-side) near2 compar$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 09:35
S83	5	S82 and SOAP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 09:35
S84	546	polling adj client	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 09:36
S85	7	S84 with compar$4	US-PGPUB; USPAT;	OR	ON	2014/02/10 09:37

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S86	6	S85 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 09:37
S87	0	polling adj client adj message	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 09:38
S88	33	S84 with message	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 09:38
S89	20	S88 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 09:38
S90	48	client near compar$4 near value	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 13:03
S91	37	S90 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 13:04
S92	0	client near poll$3 near compar$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 13:17
S93	53	(client or user) near3 poll$3 near3 compar$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 13:17
S94	42	S93 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 13:17
S95	5	"20070136464"	US-PGPUB; USPAT;	OR	ON	2014/02/10 13:20

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S96	3	poll$ with (HTTP near GET) with SOAP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 14:02
S97	10	poll$ same ((HTTP near GET) with SOAP)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 14:07
S98	10	S97 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 14:08
S99	251	SOAP with (HTTP$GET or (HTTP adj GET))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 14:14
S100	3	S99 with poll$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 14:15
S101	10	S99 same poll$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 14:15
S102	57	S99 and poll$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 14:15
S103	52	S102 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 14:15
S104	1	13/067878	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 14:34
S105	2	TCP same UDP same (HTTP$GET or (HTTP adj GET)	US-PGPUB; USPAT;	OR	ON	2014/02/10 16:07

		or (HTTP near GET)) same SOAP	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S106	542992	TCP with4 UDP with4 (HTTP$GET or (HTTP adj GET) or (HTTP near GET)) with4 SOAP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 16:08
S107	405	TCP and UDP and (HTTP$GET or (HTTP adj GET) or (HTTP near GET)) and SOAP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 16:09
S108	373	S107 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 16:09
S109	149	S107 and poll$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 16:09
S110	137	S109 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 16:09
S111	20410	RPC	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 16:25
S112	2943	RPC with SOAP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 16:25
S113	7	RPC with SOAP with (HTTP near GET)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 16:25
S114	6	S113 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 16:26
S115	41	(first near (message or communication)) with (HTTP	US-PGPUB; USPAT;	OR	ON	2014/02/10 16:28

		near GET)	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S116	195	((second or next) near (message or communication)) with (SOAP)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 16:29
S117	1	S115 and S116	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 16:29
S118	21	SOAP-HTTP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 16:31
S119	256	SOAP with (HTTP near GET)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 16:35
S120	261	SOAP with ((HTTP near GET) or (HTTP adj GET) or (HTTP$GET))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 16:36
S121	3	S120 with poll$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 16:36
S122	3	S120 with UDP and TCP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 16:37
S123	261	SOAP with ((HTTP near GET) or (HTTP adj GET) or (HTTP$GET))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 18:26
S124	240	S123 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 18:26
S125	67	SOAP near HTTP near Binding	US-PGPUB; USPAT;	OR	ON	2014/02/10 18:29

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S126	66	S125 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 18:29
S127	3671	(HTTP near protocol) same (SOAP near protocol)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 18:59
S128	361449	S127 smae poll$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 18:59
S129	14	S127 same poll$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 18:59
S130	13	S129 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 19:00
S131	17	(HTTP near GET near protocol) same (SOAP near protocol)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 19:19
S132	83	TCP with UDP with poll$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 19:23
S133	79	S132 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 19:23
S134	0	TCP with UDP with poll$3 with SOAP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 19:28
S135	0	S132 same SOAP	US-PGPUB; USPAT;	OR	ON	2014/02/10 19:29

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S136	2	S132 and SOAP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 19:29
S137	62	((time near stamp) or (time adj stamp) or (time$stamp)) with poll$3 with message	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 20:23
S138	52	S137 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 20:23
S139	83	UDP with TCP with poll$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 20:56
S140	1	match with (ID near value) with poll$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 20:59
S141	1	match$3 with (ID near value) with poll$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 20:59
S142	449	match$3 with (ID or value or message) with poll$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 21:00
S143	47148	UDP with TCP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 21:00
S144	29	S142 and S143	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 21:00
S145	27	S144 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT;	OR	ON	2014/02/10 21:00

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S146	0	S145 and SOAP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 21:23
S147	1	S144 and SOAP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 21:23
S148	20100	709/206.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 22:20
S149	1899	S148 and poll$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 22:20
S150	229	S149 and SOAP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 22:20
S151	25248	709/224.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 22:20
S152	3346	S151 and poll$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 22:21
S153	196	S152 and SOAP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 22:21
S154	2842	H04L51/24.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 22:27
S155	3458	H04L12/587.cpc.	US-PGPUB; USPAT;	OR	ON	2014/02/10 22:27

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S156	71388	H04L29/06.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 22:28
S157	73	H04L29/08045.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 22:28
S158	3702	H04L29/12018.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 22:28
S159	1136	H04L29/12924.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 22:28
S160	3655	H04L61/10.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 22:28
S161	1165	H04L61/6063.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 22:28
S162	6328	H04L63/0442.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 22:29
S163	28054	H04L63/08.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 22:29
S164	14225	H04L63/0823.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 22:29
S165	3314	H04L63/168.cpc.	US-PGPUB; USPAT;	OR	ON	2014/02/10 22:29

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S166	507	(S154 or S155 or S156 or S157 or S158 or S159 or S160 or S161 or S162 or S163 or S164 or S165) and SOAP and poll$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 22:30
S167	472	S166 and HTTP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 22:30
S168	3	"13067878"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/11/17 05:46
S169	8209	("20" or twenty) near bytes	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/06/01 11:22
S170	0	S169 near HTTP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/06/01 11:22
S171	13	S169 with HTTP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/06/01 11:23
S172	7	S171 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/01 11:23
S173	49	S169 same HTTP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2015/06/01 11:26
S174	0	S169 same HTTP same (alert near message)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/01 11:27
S175	119	HTTP with (alert near message)	US-PGPUB; USPAT;	OR	ON	2015/06/01 11:27

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S176	0	S169 and S175	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/01 11:27
S177	1	HTTP near (alert near message)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/01 11:27
S178	83	S175 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/01 11:28
S179	0	HTTP with (alert near message) with (unread)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/01 11:36
S180	0	HTTP with (alert near message) with (un$read)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/01 11:36
S181	0	HTTP with (alert near message) same (un$read)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/01 11:36
S182	1	HTTP with (alert near message)and (un$read)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/01 11:36
S183	1	HTTP with (alert near message) and (un$read)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/01 11:36
S184	245	HTTP and (alert near message) and (un$read)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/01 11:36
S185	224	S184 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT;	OR	ON	2015/06/01 11:37

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S186	0	HTTP same (alert near message) same (un$read)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/01 11:37
S187	5	HTTP same (alert near message) and (un$read)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/01 11:37
S188	4	S187 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/01 11:37
S189	3	HTTP and (alert near message) and (un$read) and (("20" or twenty) near bytes)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/01 11:40
S190	2	S189 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/01 11:41
S191	1790	HTTP with alert	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/01 12:08
S192	2499	(un$read or ("not" adj read)) near messages	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/01 12:08
S193	20	S191 and S192	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/01 12:08
S194	16	S193 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/01 12:08
S195	0	HTTP near ((un$read or ("not" adj read)) near messages)	US-PGPUB; USPAT;	OR	ON	2015/06/01 12:11

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S196	2	HTTP with ((un$read or ("not" adj read)) near messages)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/01 12:12
S197	1	S196 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/01 12:12
S198	617	HTTP with boolean	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/01 12:20
S199	0	S198 same S192	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/01 12:20
S200	0	S198 and S192	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/01 12:20
S201	28472	alert near messages	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/01 12:21
S202	8	S198 and S201	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/01 12:21
S203	8	S202 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/01 12:21
S204	617	HTTP with boolean	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/01 13:14
S205	2	HTTP near boolean	US-PGPUB; USPAT;	OR	ON	2015/06/01 13:14

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S206	521	S204 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/01 13:14
S207	8	S201 and S204	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/01 13:14
S208	8	S207 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/01 13:14
S209	287	poll$3 with http with new	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/01 13:22
S210	121	S209 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/01 13:22
S211	175	poll$3 with http with new and (boolean true false flag)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/01 13:23
S212	52	S211 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/01 13:23
S213	13	poll$3 with http with new and boolean	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/01 13:24
S214	8	S213 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/01 13:24
S215	242	(poll$3 with http with new) and (boolean true false flag quer$3	US-PGPUB; USPAT;	OR	ON	2015/06/03 10:19

		inquir$3)	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S216	20	(poll$3 with http with new) same (boolean true false flag quer$3 inquir$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/03 10:19
S217	20	S216 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/03 10:19
S218	0	S217 and (packet with (small ("20" or twenty or "16" or sixteen or "24" or twenty$four)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/03 10:22
S219	20	(poll$3 with http with new) same (boolean true false flag quer$3 inquir$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/14 17:49
S220	20	S219 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/14 17:49
S221	13	poll$3 with (delta offset change) with (number value integer increment) with (alert alarm) and (get pull) and (http soap)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/14 17:52
S222	13	(message near alert) with SOAP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/14 17:56
S223	244	(un$read or ("not" adj read)) with alert with message	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/14 18:21
S224	0	(desktop adj alert).as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/14 19:34
S225	46	desktop.as.	US-PGPUB; USPAT;	OR	ON	2015/06/14 19:34

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S226	924	beisel.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/14 19:36
S227	0	S225 and S226	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/14 19:36
S228	3783	H04L51/24.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/14 19:46
S229	3771	H04L12/587.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/14 19:46
S230	75155	H04L29/06.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/14 19:46
S231	91	H04L29/08045.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/14 19:46
S232	3870	H04L29/12018.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/14 19:46
S233	1187	H04L29/12924.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/14 19:46
S234	4074	H04L61/10.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/14 19:46
S235	1274	H04L61/6063.cpc.	US-PGPUB; USPAT;	OR	ON	2015/06/14 19:46

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S236	7083	H04L63/0442.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/14 19:46
S237	37357	H04L63/08.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/14 19:46
S238	17498	H04L63/0823.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/14 19:46
S239	4369	H04L63/168.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/14 19:46
S240	586	(S228 or S229 or S230 or S231 or S232 or S233 or S234 or S235 or S236 or S237 or S238 or S239) and SOAP and poll$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/14 19:46
S241	586	S240	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/14 19:46
S242	6571	H04L12/18.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/14 19:47
S244	2275	H04L12/1895.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/14 19:47
S245	8783	S242 or S244	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/14 19:47
S246	70	S245 and SOAP and poll$3	US-PGPUB; USPAT;	OR	ON	2015/06/14 19:47

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S247	63	S246 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2015/06/14 19:48

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L6	0	(desktop adj alert).as.	USPAT; UPAD	OR	ON	2015/06/14 22:00
L7	6	desktop.as.	USPAT; UPAD	OR	ON	2015/06/14 22:00
L8	0	L7 and (alert near message)	USPAT; UPAD	OR	ON	2015/06/14 22:01
L9	0	L7 and (get near unread near alert)	USPAT; UPAD	OR	ON	2015/06/14 22:02
L10	56	(alert near message) near store	USPAT; UPAD	OR	ON	2015/06/14 22:03
L11	1149	HTTP near packet	USPAT; UPAD	OR	ON	2015/06/14 22:03
L12	0	L10 and L11	USPAT; UPAD	OR	ON	2015/06/14 22:03
L13	0	(get near unread near alert)	USPAT; UPAD	OR	ON	2015/06/14 22:03
L14	0	(get near un$read near alert)	USPAT; UPAD	OR	ON	2015/06/14 22:03
L15	0	L10 and L14	USPAT; UPAD	OR	ON	2015/06/14 22:04
L23	1851	(H04L12/18; H04L12/1895; H04L51/24).cpc.	USPAT; UPAD	OR	ON	2015/06/14 23:30
L24	7	L11 and L23	USPAT; UPAD	OR	ON	2015/06/14 23:30

6/14/2015 11:44:28 PM
C:\Users\mahmed4\Documents\EAST\Workspaces\13067878.wsp

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	13067878	BEISEL, PHILIPP W.
	Examiner	**Art Unit**
	MOHAMMED AHMED	2456

CPC							
Symbol						**Type**	**Version**
H04L		67	/	26		F	2013-01-01
H04L		12	/	18		A	2013-01-01
H04L		51	/	24		A	2013-01-01
H04L		12	/	1863		A	2013-01-01
H04L		12	/	1895		I	2013-01-01
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CPC Combination Sets							
Symbol					**Type**	**Set**	**Ranking**	**Version**
			/					
			/					

/MOHAMMED AHMED/ Examiner.Art Unit 2456	06/11/2015	**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	13	
/RICHARD G KEEHN/ Primary Examiner.Art Unit 2456	06/15/2015	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	14

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Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	13067878	BEISEL, PHILIPP W.
	Examiner	**Art Unit**
	MOHAMMED AHMED	2456

US ORIGINAL CLASSIFICATION		INTERNATIONAL CLASSIFICATION	
CLASS	SUBCLASS	CLAIMED	NON-CLAIMED
		G 0 6 F 15 / 16 (2006.01.01)	

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

/MOHAMMED AHMED/ Examiner.Art Unit 2456	06/11/2015	**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	13	
/RICHARD G KEEHN/ Primary Examiner.Art Unit 2456	06/15/2015	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	14

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Part of Paper No. 20150505

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	13067878	BEISEL, PHILIPP W.
	Examiner	**Art Unit**
	MOHAMMED AHMED	2456

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

Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
1	1														
2	2														
3	3														
4	4														
5	5														
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11	14														
12	15														
13	16														

/MOHAMMED AHMED/ Examiner.Art Unit 2456	06/11/2015	**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	13	
/RICHARD G KEEHN/ Primary Examiner.Art Unit 2456	06/15/2015	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	14

U.S. Patent and Trademark Office

Part of Paper No. 20150505

PTO/SB/30 (07-09)
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Request for Continued Examination (RCE) Transmittal

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

Application Number	13/067878
Filing Date	07/01/2011
First Named Inventor	Biesel, Phillip
Art Unit	2456
Examiner Name	Mr. Mohammed Amed
Attorney Docket Number	DA1010US

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. See Instruction Sheet for RCEs (not to be submitted to the USPTO) on page 2.

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

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

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

      ii. ☐ Other _____

   b. ☑ Enclosed

      i. ☑ Amendment/Reply

      ii. ☐ Affidavit(s)/ Declaration(s)

      iii. ☐ Information Disclosure Statement (IDS)

      iv. ☐ Other _____

2. Miscellaneous

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

   b. ☐ Other _____

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

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

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

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

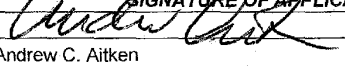
      iii. ☐ Other _____

   b. ☐ Check in the amount of $ _____ enclosed

   c. ☑ Payment by credit card (Form PTO-2038 enclosed)

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

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

Signature		Date	April 20, 2015
Name (Print/Type)	Andrew C. Aitken	Registration No.	37,729

CERTIFICATE OF MAILING OR TRANSMISSION

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

Signature			
Name (Print/Type)	ANDREW C. Aitken	Date	April 20, 2015

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

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

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Beisel, Philipp	*Group Art* 2456
For: Polling	Examiner: Mr. Mohammed Amed
Application No.: 13/067,878	Docket No.: DE1010US
Filed: 07/01/2011	Confirmation No.8104

REQUEST FOR EXTENSION, CONTINUED EXAMINATION, AMENDMENT AND REMARKS

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

Dear Sir:

The amendments to the claims begin on Page 2.

The request for extension and remarks begin on page 8.

I claim:

1. (Currently Amended) An improved method for the dissemination of an alert message to a plurality of personal computers using a network communications protocol, said computers comprising clients, each said clients subscribing to a central server, said server comprising an alert message cache, said server adapted to receive and store alert messages, and said server adapted to generate and store alert ID numbers, said method comprising,

a first triggering step comprises the use of a HTTP packet comprising a request for a Boolean value relating whether there are new alert messages to and said packet comprises approximately 20 bytes,

a [~~first~~] second step wherein said client contacts the central server and requests the value of said alert ID number in said memory, said value reflecting the number of alert messages received by said central server,

a [~~second~~] third step wherein said server transmits said value to said client,

a [~~third~~] fourth step wherein said client compares a stored value at the client with the value of the transmitted alert ID number, and

if said transmitted value exceeds said stored value, a [~~fourth~~] fifth step wherein said client transmits a second message to said server and requests for the server to transmit all unread alert messages in a GetUnreadAlerts request from said server that are specific to said client, and

if there are unread alert messages specific to said client in said server, a [~~fifth~~] sixth step wherein said server sends to client all unread alert messages specific to the client, and,

a further step wherein said client updates the stored value in its memory to reflect the number of additional unread alert messaged transmitted from said server to said client in response to said second message,

and wherein, upon the reception of said unread alert messages in said sixth step, said alert messages are in instant message format and said client opens a window on a display panel to display said alert messages,

wherein said communications protocol comprises protocols for the transmission of messages over the internet.

2. (original) The method recited in claim 1 wherein said client will contact said server at predetermined polling frequencies.

3. (original) The method recited in claim 1 wherein said communications between said clients and said servers uses a SOAP protocol.

4. (original) The method recited in claim 1 wherein said first communications between said clients and said servers uses a HTTP protocol and said second message from said client requesting unread alerts uses a SOAP protocol. .

5. (original) The method recited in claim 4 wherein said first communications between said clients and said servers uses a HTTP GET protocol and said second message from said client requesting unread alerts uses a SOAP protocol. .

6. (Currently amended) The method recited in claim 1 wherein said communication proceeds according to an ~~[RCP]~~ RPC protocol.

7. (original) The method recited in claim 6 further comprises a RPC/UDP protocol.

8. (original) The method recited in claim 6 further comprises a RPC/TCP protocol.

9. (Withdrawn) An improved method for the dissemination of alert messages to a plurality of personal computers using a network communications protocols, said computers comprising clients, each said clients subscribing to a central server, said server comprising a memory

adapted to receive and store alert messages, and alert ID number numbers and to assign an ID number value to each alert message received by said server, said method comprising,

a first step wherein a client transmits a GetUnreadAlerts SOAP request that includes authentication data,

second step wherein in response to said GetUnreadAlerts SOAP request from said client, said server transmits a protocol number and a temporary user token, wherein in response

request unread alert messages and communicate to said server it intends to communicate with the Conventional SOAP protocol, or in response to receiving protocol number 2, said client may proceed with the improved protocol in claim 1,

and wherein said temporary token comprises a value created in response to said first GetUnreadAlerts authenticated SOAP message, and a further step where said temporary token value is transmitted to said server and a further step wherein said server compares said value with the value of the token stored at said server and if the values are equal, the communication will proceed and if the values are not equal and erro message is generated that requires the client to obtain a new token.

10. (Withdrawn) The method recited in claim 9 wherein said temporary tokens change values each time that a client contacts said server.

11. (withdrawn) The method recited in claim 9, wherein said token changes value after a predetermined time period has elapsed.

12. (original) The method of claim 1, wherein said alert message comprises: the date the message was received by said server, a time the message was received by said server, a date the message was sent to said client, a time the message was sent to said client, content of the message and combinations thereof.

13. (Currently amended) A system for providing alert messages to a plurality of clients using a polling-based network, said system comprising a plurality of clients, at least one server in communication with said clients using a network connection, said central server provided with input devices to receive alert messages, and a database, said database for storing said alert messages, and said processor having programming instructions to create and store an alert ID value corresponding to alert messages stored in said database, and said clients adapted to communicate with said server using an [~~RCP~~] RPC communications protocol wherein said protocol further comprises a first triggering step comprises the use of a HTTP packet comprising a request for a Boolean value relating whether there are new alert messages to and said packet comprises approximately 20 bytes, and

[~~first~~] further communication from said client to said server requesting a Get Alert Messages using a SOAP communications protocol and wherein said client is transmitted an Alert ID message value from said server to said client, and if said Alert ID message value matches a stored message value, the client will further request from said server any alert messages to which it subscribes, and in response to said requests, said server transmits any unread alert messages and said unread alert message are in instant message format and upon the client's reception of said unread alert messages said client opens a window on a display panel at said client, and

wherein said communications protocol comprises protocols for the transmission of messages [over the internet].

14. (original) The system of claim 13, wherein said server further comprising an application programming interface controls the administrator interface and provides at least one instruction to the administrator interface for creating said alert messages and transmitting said alert messages to the user contact devices.

15. (original) The system of claim13, further comprising display devices at said clients and at said server wherein said client displays, display said alter messages.

16. (original) The system of claim 13, wherein said database is an SQL.TM. database, MySQL.TM. database, an Oracle.TM. database, another industry standard database, or combinations thereof.

REQUEST FOR EXTENSION AND REMARKS

The applicant submits the forgoing amendment in connection with its request for continued examination. Please extend the time in which to respond to the Office Action Dated November 19, 2014, two months, up to and including April 20, 2015. The fee associated with this request for extension and request for continued examination is included herein in the form of a form PTO-2038.

The Rejections under Section 103 of the Patent Statute.

Introduction:

The Examiner has continued the rejections of the pending claims, 1-8, and 12-16 under Section 103 of the Patent Statute (all of the pending claims) as unpatenable over Boland, U.S Publication No. 20050181767("Boland") in view of Gorty et al U.S Pub. No. 20070136464 (Gorty).

The Applicant gratefully acknowledges that Examiner's remarks in response to the previous amendment. In this regard, the applicant has corrected the typo relating to the RPC protocol and confirms that Claim 13 is an independent claim. It is respectfully submitted that there exists antecedent basis for the limitation requiring the polling to perform in a system over the Internet in view of the disclosure in the specification at paragraph [0009] The use of the internet is also implicit based upon the recited communication protocols in some of the claims.

The present amendment includes additional limitations that are discussed in the specifciaiotn including (!) a triggering message step that is transmitted in HTTC and (2) the requirement that the alert message received by the be provided in instant message format and displayed.

Remarks:

The significance and relevance of Boland was discussed in the applicant's response and amendment filed on July 21, 2014. In summary Boland generally discloses a paging system used

over a cellular network wherein a pager that is remote from a Home Location Register communicates with a Mobile Switching Center to see if there are unread messages. It is respectfully submitted that the nature of the problem addressed by Boland and Boland's solution are radically different than the problem and solution addressed by the present invention.

The present invention as claimed distinguishes from Boland *inter alia* because the communications network to those internet communication technologies and associated protocols that are described in the specification. In addition Boland uses a plurality of mobile switching centers—not a central server – as the Applicant has described and claimed.

As discussed above, the present amendment further requires that the message received by a particular device be configured to open the message received in instant message format on the client device.

Gorty addresses a similar problem as that addressed by the Applicant but teaches a different solution. Further it does not address the alter message system as disclosed and claimed. I this regard, the instant message format is absent in Gorty which allows a message to be rapidly communicated to end users. Other differences between the Gorty email system and were previously discussed and includes. For example, Applicant's system and method does not require the downloading of a webpage as suggested by the teachings of Gorty. See Paragraph [0013].

It is respectfully submitted that the combination of Boland and Gorty does not reach the claimed invention as amedend. If one were to alter Boland and apply the teachings of Gorty, one skilled in the art would assign unique identifiers (UIDs') to each message and then compares the UIDs to a previous list of UID's stored at the client using a web page. As discussed above, the claimed system and method uses is different than Gorty's method and constitutes an efficient technique that involves a minimum amount of transferred data from the client to the server.

In summary, Claim 1 is both novel and not obvious in view of the differences discussed above. Claim 13, an independent claim has been amended like claim 1

CONCLUSION AND REQUEST FOR INTERVIEW

In view of the foregoing, the applicant respectfully submits that the claims as amended are allowable and the Section 103 grounds of rejection have been traversed. The Applicant respectfully requests an interview prior to the first action on the merits in order to advance the prosecution of the case. Please contact the applicant's attorney to set up a meeting.

Respectfully submitted,



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Certificate of Mailing

I hereby certify that on this 20 day of April 2014, a copy of the foregoing Amendment and Request for Extension of time, along with a PTO-2038, fee transmittal and request for RCE for U.S Application No. 13067,878 was mailed with sufficient postage, first class mail in an envelope addressed to

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

_____
Andrew C. Aitken, Reg. No. 36,729

Electronic Patent Application Fee Transmittal	
Application Number:	13067878
Filing Date:	01-Jul-2011
Title of Invention:	Polling-based secure network message notification system and method with performance enhancing features
First Named Inventor/Applicant Name:	Philipp W. Beisel
Filer:	Andrew Charles Aitken
Attorney Docket Number:	DE1010US
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 - 2 months with $0 paid	2252	1	300	300
Miscellaneous:				
Request for Continued Examination	2801	1	600	600
		Total in USD ($)		**900**

Electronic Acknowledgement Receipt	
EFS ID:	22114462
Application Number:	13067878
International Application Number:	
Confirmation Number:	8104
Title of Invention:	Polling-based secure network message notification system and method with performance enhancing features
First Named Inventor/Applicant Name:	Philipp W. Beisel
Correspondence Address:	Andrew C. Aitken - P.O. Box 1810 - Wheaton MD 20915 US 3015373299 acaitken@aitkenenlawofficers.com
Filer:	Andrew Charles Aitken
Filer Authorized By:	
Attorney Docket Number:	DE1010US
Receipt Date:	20-APR-2015
Filing Date:	01-JUL-2011
Time Stamp:	18:03:13
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	$900

RAM confirmation Number	5610
Deposit Account	
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The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Request for Continued Examination (RCE)	DE1010RCE.pdf	232743 e593e9b3c0e1470bde1e3428c66da677deba89bc	no	1
Warnings:					
This is not a USPTO supplied RCE SB30 form.					
Information:					
2	Amendment Submitted/Entered with Filing of CPA/RCE	DA1010RCEamendment.pdf	1099701 37b9874f1d5e57e6e72a32553bf725d5668997a2	no	10
Warnings:					
Information:					
3	Fee Worksheet (SB06)	fee-info.pdf	32301 7f9b52546d230fcf8f04cb71f1598f7e6b8c6db7	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	1364745		

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New Applications Under 35 U.S.C. 111
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

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

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

PTO/SB/06 (09-11)
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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 13/067,878	Filing Date 07/01/2011	☐ 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))	16 minus 20 =	*	X $ =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	3 minus 3 =	*	X $ =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL	

APPLICATION AS AMENDED – PART II

AMENDMENT 04/20/2015

	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
Total (37 CFR 1.16(i))	* 16	Minus	** 20	=	X $ =	
Independent (37 CFR 1.16(h))	* 3	Minus	***3	=	X $ =	
☐ Application Size Fee (37 CFR 1.16(s))						
☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
					TOTAL ADD'L FEE	

AMENDMENT

	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	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
/PEGGY YARBOROUGH/

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

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/067,878	07/01/2011	Philipp W. Beisel	DE1010US	8104

7590 11/19/2014

Andrew C. Aitken
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EXAMINER
AHMED, MOHAMMED

ART UNIT	PAPER NUMBER
2456	

MAIL DATE	DELIVERY MODE
11/19/2014	PAPER

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.

Office Action Summary	Application No. 13/067,878	Applicant(s) BEISEL, PHILIPP W.	
	Examiner MOHAMMED AHMED	Art Unit 2456	AIA (First Inventor to File) Status No

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

Period for Reply

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

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

Status

1)☒ Responsive to communication(s) filed on *07/23/2014*.

☐ 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 12-16* is/are pending in the application.

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

6)☐ Claim(s) _____ is/are allowed.

7)☒ Claim(s) *1-8, and 12-16* is/are rejected.

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

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

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

Application Papers

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

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

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

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

Priority under 35 U.S.C. § 119

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

Certified copies:

a)☐ All b)☐ Some** c)☐ None of the:

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

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

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

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

Attachment(s)

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

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

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

4) ☐ Other: _____.

The present application is being examined under the pre-AIA first to invent provisions.

DETAILED ACTION

This action is in response to communication filed on 07/23/2014. Claims 1-8 and 12-16 are currently pending. Claims 1 and 13 have been amended.

Claim Rejections - 35 USC § 103

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

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-6 and 12-16 are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Boland et al. (US Pub 20050181767), and further in view of Gorty et al. (US Pub 20070136464).

1. With respect to independent claim 1, Boland teaches an improved method for the dissemination of an alert message to a plurality of personal computers using a network communications protocol (see Boland fig.1 and ¶0020 *cellular communication network*), said computers comprising clients (see Boland fig.1 and ¶0020 *mobile subscribing stations*), each said clients subscribing to a central server (see Boland fig.1 ¶0020 *mobile switching centers*), said server comprising an alert message cache (see Boland figs.1, 2, and ¶0023 *home location register stores messages*), said server adapted to receive and store alert messages (see Boland figs.1, 2, and ¶0023 *home location*

register stores messages), and said server adapted to generate and store alert ID numbers (see Boland fig.2 and ¶0023 *home location register forms new MSGS ACK parameter based on new messages for subscriber*), said method comprising:

a first step wherein said client contacts the central server and requests the value of said alert ID number in said memory, said value reflecting the number of alert messages received by said central server (see Boland ¶0023 *client has previously acknowledged message count and also requests to acknowledge unread messages*),

a second step wherein said server transmits said value to said client (see Boland fig.2 and ¶0023 *set value number of messages in subscriber's record*),

if said transmitted value exceeds said stored value (see Boland fig.2 item 211 and ¶0023 *determination made that unread messages exist*), and

if there are unread alert messages specific to said client in said server (see Boland fig.2 item 211 and ¶0023 *determination made that unread messages exist*), a fifth step wherein said server sends to client all unread alert messages specific to the client (see Boland ¶0023 *forwarding unread messages to mobile subscriber station*), and,

a further step wherein said client updates the stored value in its memory to reflect the number of additional unread alert messaged transmitted from said server to said client in response to said second message (see Boland ¶0023 *client has previously acknowledged message count value, therefore it will update its stored value*).

Boland is silent to teach wherein said client compares a stored value at the client with the value of the transmitted alert ID number, wherein said client transmits a second message to said server and requests for the server to transmit all unread alert messages in a GetUnreadAlerts request from said server that are specific to said client, and wherein said communications protocol comprises protocols for the transmission of messages over the internet.

Gorty teaches a system and method of polling electronic mailboxes for unread messages. Please see figs.1-3 and ¶0026-0027 and ¶0037-0040. The mobile device 12 communicates with mobile office platform which can also be downloaded and operated by the mobile user, polls source mailboxes for current number of messages. The messages are compared with the UID database to determine which if any UIDs are newer from the previous poll. If any new UIDs are determined, they are requested at the mobile user and are transmitted. Gorty communicates over the internet using various communication protocols to transmit and receive messages (see Gorty ¶0027, ¶0032).

Therefore it would have been obvious at the time of the invention to a person having ordinary skill in the art to which the subject matter pertains to modify Boland with the comparison being done at the client side by Gorty in order to reduce processing load on the server side when determining unread messages.

2. For claim 2, Boland/Gorty teaches the method recited in claim 1 wherein said client will contact said server at predetermined polling frequencies (see Gorty ¶0013 polling interval).

3. For claim 3, Boland/Gorty teaches the method recited in claim 1 wherein said communications between said clients and said servers uses a SOAP protocol (see Gorty ¶0033 SOAP protocol compliance).

4. For claim 4, Boland/Gorty teaches the method recited in claim 1 wherein said first communications between said clients and said servers uses a HTTP protocol and said second message from said client requesting unread alerts uses a SOAP protocol (see Gorty ¶0035 SOAP over HTTP for communication).

5. For claim 5, Boland/Gorty teaches the method recited in claim 4 wherein said first communications between said clients and said servers uses a HTTP GET protocol and said second message from said client requesting unread alerts uses a SOAP protocol (see Gorty ¶0035 SOAP over HTTP for communication).

6. For claim 6, Boland/Gorty teaches the method recited in claim 1 wherein said communication proceeds according to an RPC protocol (see Gorty ¶0033-0035 SOAP succeeds XML-RPC).

12. For claim 12, Boland/Gorty teaches the method of claim 1, wherein said alert message comprises: the date the message was received by said server, a time the message was received by said server, a date the message was sent to said client, a time the message was sent to said client, content of the message and combinations thereof (see Gorty ¶0013 polling in real time to provide alert message in real time).

Claims 7-8 are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Boland/Gorty, and further in view of Haff et al. (US Pub 20100299728).

7. For claim 7, Boland/Gorty teach all the limitations of claim 6. Boland/Gorty is silent to teach the method recited in claim 6 further comprises a RPC/UDP protocol. Haff teaches communication over UDP (see Haff ¶0094). Therefore it would have been obvious at the time of the invention to a person having ordinary skill in the art to which the subject matter pertains to modify with Boland/Gorty with the UDP communication taught by Haff to allow for faster connections and data transfer.

8. For claim 8, Boland/Gorty teach all the limitations of claim 6. Boland/Gorty is silent to teach the method recited in claim 6 further comprises a RPC/TCP protocol. Haff teaches communication over TCP (see Haff ¶0094). Therefore it would have been obvious at the time of the invention to a person having ordinary skill in the art to which the subject matter pertains to modify with Boland/Gorty with the TCP communication taught by Haff to allow for reliable data transfer.

Claim 13-16 are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Boland et al. (US Pub 20050181767) in view of Gorty et al. (US Pub 20070136464), and further in view of Haff et al. (US Pub 20100299728).

13. With respect to independent claim 13, Boland teaches a system for providing alert messages to a plurality of clients using a polling-based network (see Boland fig.1 and ¶0020 *mobile subscribing stations in a cellular communication network*), said system

comprising a plurality of clients (see Boland fig.1 and ¶0020 *mobile subscribing stations*), at least one server in communication with said clients using a network connection (see Boland fig.1 ¶0020 *mobile switching centers in a cellular communication network*), said central server provided with input devices to receive alert messages (see Boland fig.1 ¶0020 *mobile switching centers*), and a database, said database for storing said alert messages (see Boland figs.1, 2, and ¶0023 *home location register stores messages*), and said processor having programming instructions to create and store an alert ID value corresponding to alert messages stored in said database (see Boland fig.2 and ¶0023 *home location register forms new MSGS ACK parameter based on new messages for subscriber*),

Boland is silent to teach said clients adapted to communicate with said server using an RPC communications protocol wherein said protocol further comprises: a first communication from said client to said server requesting a Get Alert Messages using a SOAP communications protocol, and wherein said client is transmitted an Alert ID message value from said server to said client, and if said Alert ID message value matches a stored message value, the client will further request from said server any alert messages to which it subscribes, and wherein said communications protocol comprises protocols for the transmission of messages over the internet.

Gorty teaches a system and method of polling electronic mailboxes for unread messages. Gorty teaches said clients adapted to communicate with said server using an RPC communications protocol (see Gorty ¶0033 SOAP protocol compliance) wherein said protocol further comprises: a first communication from said client to said

server requesting a Get Alert Messages using a SOAP communications protocol (see Gorty ¶0035 SOAP over HTTP for communication). Gorty communicates over the internet using various communication protocols to transmit and receive messages (see Gorty ¶0027, ¶0032).

Therefore it would have been obvious at the time of the invention to a person having ordinary skill in the art to which the subject matter pertains to modify Boland with the RPC communications protocol taught by Gorty in order to implement a secure and faster transfer system.

Boland in view of Gorty is silent to teach wherein said client is transmitted an Alert ID message value from said server to said client, and if said Alert ID message value matches a stored message value, the client will further request from said server any alert messages to which it subscribes.

Haff teaches a file transfer system between computers that first requires authentication prior to client sending further requests. Please see fig.13 and ¶0191. An ID packet is sent to the destination. If a response is received, the response is compared with authenticator code word or whatever is on file, to make sure it matches. If match is found, the destination is marked active and the file transfer continues.

Therefore it would have been obvious at the time of the invention to a person having ordinary skill in the art to which the subject matter pertains to modify Boland/Gorty with the authentication matching process by Haff in order to provide a secure level of data transfer of messages.

14. For claim 14, Boland/Gorty/Haff teaches the system of claim 13, wherein said server further comprising an application programming interface controls the administrator interface and provides at least one instruction to the administrator interface for creating said alert messages and transmitting said alert messages to the user contact devices (see Haff fig.2 and ¶0036 ¶0075-0076, *API controls for sending and receiving messages*).

15. For claim 15, Boland/Gorty/Haff teaches the system of claim 13, further comprising display devices at said clients and at said server wherein said client displays, display said alter messages (see Gorty ¶0007, ¶0043).

16. For claim 16, Boland/Gorty/Haff teaches the system of claim 13, wherein said database is an SQL.TM. database, MySQL.TM. database, an Oracle.TM. database, another industry standard database, or combinations thereof (see Gorty ¶0018 and fig.1 UID's stored at database).

Response to Arguments

Applicant's arguments filed 07/23/2014 have been fully considered but they are not persuasive.

Examiner would like to kindly point out that Applicant states in their Arguments on page 4 that "Claim 13, a ***dependent*** claim has been amended like claim 1". Claim 13 is an independent claim and not a dependent claim.

Examiner would also like to point out that Applicant claims "RCP" in dependent claim 6 and independent claim 13. However there is no mention of "RCP" in the

Applicant's specification. This is believed to be a typo and Examiner will construe "RCP" to mean RPC.

Applicant argues for independent claim 1 and 13 that the prior art on record fails to teach or suggest the claimed invention. Particularly an RPC communications protocol, and internet communications network. Applicant has amended the independent claims to include:

> *" wherein said communications protocol comprises protocols for the transmission of messages over the internet"*

Applicant states on page 2 of their arguments that the network is described as:

> *"The server may communicate with the client using a local area network, a wide area network, a virtual private network, an asynchronous transfer mode network, a synchronous optical network, a wireless network, a WIFI network, a WiMax network or combinations thereof." See Specification Paragraph [0011].*

In response to applicant's argument that the references fail to show certain features of applicant's invention, it is noted that the features upon which applicant relies (i.e., specification ¶0011) are not recited in the rejected claim(s). Although the claims are interpreted in light of the specification, limitations from the specification are not read into the claims. See *In re Van Geuns*, 988 F.2d 1181, 26 USPQ2d 1057 (Fed. Cir. 1993).

The Examiner has relied upon Gorty to teach communications protocol for transmission of messages over the internet. Gorty teaches remote procedure calls represent by SOAP using HTTP and XML for information exchange (see Gorty ¶0035) over the internet (see Gorty ¶0027, ¶0032). SOAP is a remote procedure call as the

Applicant's dependent claims further limit. Thus Gorty has anticipated the independent claim language. Applicant on page 4 of their arguments relies on some details of RPC from their specification. However, the details of the specification are not in the independent claims. Please see the above paragraph addressing features not recited in the claims.

In response to applicant's argument that there is no teaching, suggestion, or motivation to combine the references, the examiner recognizes that obviousness may be established by combining or modifying the teachings of the prior art to produce the claimed invention where there is some teaching, suggestion, or motivation to do so found either in the references themselves or in the knowledge generally available to one of ordinary skill in the art. See *In re Fine*, 837 F.2d 1071, 5 USPQ2d 1596 (Fed. Cir. 1988), *In re Jones*, 958 F.2d 347, 21 USPQ2d 1941 (Fed. Cir. 1992), and *KSR International Co. v. Teleflex, Inc.*, 550 U.S. 398, 82 USPQ2d 1385 (2007).

In this case, Boland discloses a system where a determination to transmit an alert is made when unread messages are discovered by comparing to a set message value. Gorty discloses a system where polling occurs to determine unread messages. Therefore it would have been obvious at the time of the invention to a person having ordinary skill in the art to which the subject matter pertains to modify Boland with the comparison being done at the client side by Gorty in order to reduce processing load on the server side when determining unread messages.

Examiner maintains the rejections of all claims 1-8 and 12-16.

Conclusion

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

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

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MOHAMMED AHMED whose telephone number is (571)270-5659. The examiner can normally be reached on Monday thru Friday 8 A.M.-5 P.M.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rupal Dharia can be reached on (571) 272-3880. 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.

/M. A./
November 15, 2014
Examiner, Art Unit 2456

/PHILIP CHEA/

Supervisory Patent Examiner, Art Unit 2456

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	12	poll$3 with (delta offset change) with (number value integer increment) with (alert alarm) and (get pull) and (http soap)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/08/23 19:44
S2	207	alert with SOAP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/08/23 19:45
S3	161	S2 and @ad<"20100701"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/08/23 19:45
S4	4	S3 and (HTTP near GET)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/08/23 19:45
S5	11	(message near alert) with SOAP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/08/23 19:46
S6	572	alert near ID	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/08/23 19:48
S7	943	alert near (ID or identification)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/08/23 19:48
S8	1	S7 same SOAP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/08/23 19:49
S9	40	S7 and SOAP	US-PGPUB; USPAT;	OR	ON	2013/08/23 19:50

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S10	29	S9 and @ad<"20100701"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/08/23 19:50
S11	4	"20060069734" or "20030028587"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/08/26 05:59
S12	4	"20110004621" or "20070115936"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/08/26 06:45
S13	399	(un$read or ("not" adj read)) same alert	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/08 19:05
S14	356	S13 and @ad<"20110701"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/08 19:05
S15	297	S13 and @pd<"20110701"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/08 19:05
S16	261	S13 and @pd<"20100701"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/08 19:05
S17	3	S14 and (HTTP near GET)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/08 19:06
S18	22	S14 and (SOAP)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/08 19:09
S19	329	(un$read or ("not" adj read)) same message same alert	US-PGPUB; USPAT;	OR	ON	2013/09/08 19:13

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S20	293	S19 and @ad<"20110701"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/08 19:13
S21	2	S20 and (HTTP and SOAP)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/08 19:14
S22	2	"20070115936"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/08 19:26
S23	8	(un$read or ("not" adj read)) near alert near message	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/08 19:31
S24	193	(un$read or ("not" adj read)) with alert with message	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/08 19:33
S25	174	S24 and @ad<"20110701"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/08 19:33
S26	1	S25 and (HTTP and SOAP)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/08 19:33
S28	6	alert near message near cache	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/08 19:36
S29	14415	SAAS	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 10:15
S30	2	S29 near poll$3	US-PGPUB; USPAT;	OR	ON	2014/02/06 10:16

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S31	10	S29 with poll$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 10:16
S32	3	desktop near alert near system	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 10:24
S33	210	(un$read or ("not" adj read)) with alert with message	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 16:04
S34	187	S33 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 16:10
S35	16	((un$read or ("not" adj read)) near alert) with message	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 16:13
S36	13	S35 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 16:13
S37	50	((un$read or ("not" adj read)) near alert)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 16:14
S38	45	S37 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 16:15
S39	4	(poll$3 near messages) with (change near3 number)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 19:34
S40	10	(poll$3 near messages) with (threshold near3 number)	US-PGPUB; USPAT;	OR	ON	2014/02/06 19:35

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S41	12	poll$3 with (delta offset change) with (number value integer increment) with (alert alarm) and (get pull) and (http soap)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 19:37
S42	4000	(un$read or ("not" adj read)) with message	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 19:38
S43	2033	(un$read or ("not" adj read)) near message	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 19:38
S44	4	poll$3 with ((un$read or ("not" adj read)) near message)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 19:38
S45	4	2005/0181767	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 19:47
S46	3	"20050181767"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 19:47
S47	51	(@ad<"20100701" or @rlad<"20100701") and (get retriev$3 request$3 receiv$3) near7 unread same (compar$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 19:54
S48	12	poll$3 with ((un$read or ("not" adj read)) with message)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 19:58
S49	12	(@ad<"20100701" or @rlad<"20100701") and S48	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 19:58
S50	11	(@ad<"20100701" or @rlad<"20100701") and unread	US-PGPUB; USPAT;	OR	ON	2014/02/06 20:04

		near3 (message email (e electronic) adj mail) near7 (count number amount) near7 request$3	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S51	3214	H04L61/00.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/07 06:42
S52	18	S51 and SOAP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/07 06:42
S53	1	13/067878 and match$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 07:01
S54	374	client with compar$3 with messages with request	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 08:43
S55	331	S54 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 08:44
S56	1	S54 with SOAP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 08:44
S57	1	S54 same SOAP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 08:44
S58	29	S54 and SOAP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 08:44
S59	3	S54 and SOAP and (HTTP near GET)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 08:44
S60	28	S54 and SOAP and HTTP	US-PGPUB; USPAT;	OR	ON	2014/02/10 08:45

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S61	26	S60 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 08:46
S62	0	compar$3 adj at adj client	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 08:48
S63	0	compar$3 near at near client	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 08:48
S64	25312724	EP1318461 A1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 08:51
S65	0	compar$3 adj on adj client	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 08:51
S66	0	compar$3 near on near client	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 08:51
S67	0	compar$3 near "on" near client	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 08:51
S68	0	compar$3 near "at" near client	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 08:51
S69	27	"1318461"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 08:51
S70	0	compar$3 adj at adj (client or user)	US-PGPUB; USPAT;	OR	ON	2014/02/10 08:54

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S71	0	compar$3 near at near (client or user)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 08:54
S72	2	compar$3 near by near (client or user)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 08:55
S73	0	compar$3 adj by adj (client or user)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 08:55
S74	2	"20070220011"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 08:58
S75	5	"20010044828"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 09:02
S76	14	"6701353"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 09:23
S77	7	"20110125845"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 09:30
S78	2	"20090240936"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 09:33
S79	52	(client$side or clientside or client-side) near compar$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 09:34
S80	0	(client$side or clientside or client-side) near compar$4 near	US-PGPUB; USPAT;	OR	ON	2014/02/10 09:34

		message	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S81	0	(client$side or clientside or client-side) near2 compar$4 near2 message	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 09:34
S82	95	(client$side or clientside or client-side) near2 compar$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 09:35
S83	5	S82 and SOAP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 09:35
S84	546	polling adj client	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 09:36
S85	7	S84 with compar$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 09:37
S86	6	S85 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 09:37
S87	0	polling adj client adj message	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 09:38
S88	33	S84 with message	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 09:38
S89	20	S88 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 09:38
S90	48	client near compar$4 near value	US-PGPUB; USPAT;	OR	ON	2014/02/10 13:03

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S91	37	S90 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 13:04
S92	0	client near poll$3 near compar$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 13:17
S93	53	(client or user) near3 poll$3 near3 compar$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 13:17
S94	42	S93 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 13:17
S95	5	"20070136464"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 13:20
S96	3	poll$ with (HTTP near GET) with SOAP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 14:02
S97	10	poll$ same ((HTTP near GET) with SOAP)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 14:07
S98	10	S97 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 14:08
S99	251	SOAP with (HTTP$GET or (HTTP adj GET))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 14:14
S100	3	S99 with poll$3	US-PGPUB; USPAT;	OR	ON	2014/02/10 14:15

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S101	10	S99 same poll$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 14:15
S102	57	S99 and poll$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 14:15
S103	52	S102 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 14:15
S104	1	13/067878	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 14:34
S105	2	TCP same UDP same (HTTP$GET or (HTTP adj GET) or (HTTP near GET)) same SOAP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 16:07
S106	542992	TCP with4 UDP with4 (HTTP$GET or (HTTP adj GET) or (HTTP near GET)) with4 SOAP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 16:08
S107	405	TCP and UDP and (HTTP$GET or (HTTP adj GET) or (HTTP near GET)) and SOAP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 16:09
S108	373	S107 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 16:09
S109	149	S107 and poll$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 16:09
S110	137	S109 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT;	OR	ON	2014/02/10 16:09

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S111	20410	RPC	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 16:25
S112	2943	RPC with SOAP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 16:25
S113	7	RPC with SOAP with (HTTP near GET)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 16:25
S114	6	S113 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 16:26
S115	41	(first near (message or communication)) with (HTTP near GET)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 16:28
S116	195	((second or next) near (message or communication)) with (SOAP)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 16:29
S117	1	S115 and S116	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 16:29
S118	21	SOAP-HTTP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 16:31
S119	256	SOAP with (HTTP near GET)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 16:35
S120	261	SOAP with ((HTTP near GET) or (HTTP adj GET) or	US-PGPUB; USPAT;	OR	ON	2014/02/10 16:36

		(HTTP$GET))	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S121	3	S120 with poll$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 16:36
S122	3	S120 with UDP and TCP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 16:37
S123	261	SOAP with ((HTTP near GET) or (HTTP adj GET) or (HTTP$GET))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 18:26
S124	240	S123 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 18:26
S125	67	SOAP near HTTP near Binding	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 18:29
S126	66	S125 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 18:29
S127	3671	(HTTP near protocol) same (SOAP near protocol)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 18:59
S128	361449	S127 smae poll$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 18:59
S129	14	S127 same poll$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 18:59
S130	13	S129 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT;	OR	ON	2014/02/10 19:00

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S131	17	(HTTP near GET near protocol) same (SOAP near protocol)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 19:19
S132	83	TCP with UDP with poll$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 19:23
S133	79	S132 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 19:23
S134	0	TCP with UDP with poll$3 with SOAP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 19:28
S135	0	S132 same SOAP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 19:29
S136	2	S132 and SOAP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 19:29
S137	62	((time near stamp) or (time adj stamp) or (time$stamp)) with poll$3 with message	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 20:23
S138	52	S137 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 20:23
S139	83	UDP with TCP with poll$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 20:56
S140	1	match with (ID near value) with poll$3	US-PGPUB; USPAT;	OR	ON	2014/02/10 20:59

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S141	1	match$3 with (ID near value) with poll$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 20:59
S142	449	match$3 with (ID or value or message) with poll$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 21:00
S143	47148	UDP with TCP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 21:00
S144	29	S142 and S143	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 21:00
S145	27	S144 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 21:00
S146	0	S145 and SOAP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 21:23
S147	1	S144 and SOAP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 21:23
S148	20100	709/206.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 22:20
S149	1899	S148 and poll$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 22:20
S150	229	S149 and SOAP	US-PGPUB; USPAT;	OR	ON	2014/02/10 22:20

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S151	25248	709/224.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 22:20
S152	3346	S151 and poll$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 22:21
S153	196	S152 and SOAP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 22:21
S154	2842	H04L51/24.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 22:27
S155	3458	H04L12/587.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 22:27
S156	71388	H04L29/06.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 22:28
S157	73	H04L29/08045.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 22:28
S158	3702	H04L29/12018.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 22:28
S159	1136	H04L29/12924.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 22:28
S160	3655	H04L61/10.cpc.	US-PGPUB; USPAT;	OR	ON	2014/02/10 22:28

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S161	1165	H04L61/6063.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 22:28
S162	6328	H04L63/0442.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 22:29
S163	28054	H04L63/08.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 22:29
S164	14225	H04L63/0823.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 22:29
S165	3314	H04L63/168.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 22:29
S166	507	(S154 or S155 or S156 or S157 or S158 or S159 or S160 or S161 or S162 or S163 or S164 or S165) and SOAP and poll$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 22:30
S167	472	S166 and HTTP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 22:30
S168	3	"13067878"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2014/11/17 05:46

EAST Search History (Interference)

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11/17/2014 8:33:19 AM
C:\Users\mahmed4\Documents\EAST\Workspaces\13067878.wsp

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	13067878	BEISEL, PHILIPP W.
	Examiner	Art Unit
	MOHAMMED AHMED	2456

CPC- SEARCHED		
Symbol	Date	Examiner
H04L29/12924; H04L51/24; H04L12/587, H04L29/06; H04L29/08045; H04L29/12018; H04L61/10; H04L61/6063; H04L63/0442; H04L63/08; H04L63/0823; H04L63/168	2/10/2014	M.A.

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
709	224, 206	2/10/2014	M.A.

SEARCH NOTES		
Search Notes	Date	Examiner
see attached EAST history	2/10/2014	M.A.
see attached EAST history	11/15/2014	M.A.

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

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	13067878	BEISEL, PHILIPP W.
	Examiner	Art Unit
	MOHAMMED AHMED	2456

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

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

CLAIM		DATE								
Final	Original	09/08/2013	02/10/2014	11/15/2014						
	1	÷	✓	✓						
	2	÷	✓	✓						
	3	÷	✓	✓						
	4	÷	✓	✓						
	5	÷	✓	✓						
	6	÷	✓	✓						
	7	÷	✓	✓						
	8	÷	✓	✓						
	9	÷	-	-						
	10	÷	-	-						
	11	÷	-	-						
	12	÷	✓	✓						
	13	÷	✓	✓						
	14	÷	✓	✓						
	15	÷	✓	✓						
	16	÷	✓	✓						



JTW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Beisel, Philipp *Group Art* 2456

For: Polling-based Secure Network
Message Notification System and Method
With Performance Enhancing Features

Examiner: Mr. Mohammed Amed

Application No.: 13/067,878

Docket No.: DE1010US

Filed: 07/01/2011

Confirmation No.8104

REQUEST FOR EXTENSION OF TIME, AMENDMENT AND REMARKS

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

Dear Sir:

The amendments to the claims begin on page 2.

The request for extension and remarks begin on page 7.

07/24/2014 STANN1 00000001 13067878
01 FC:2253 700.00 OP

1. (currently amended) An improved method for the dissemination of an alert message to a plurality of personal computers using a network communications protocol, said computers comprising clients, each said clients subscribing to a central server, said server comprising an alert message cache, said server adapted to receive and store alert messages, and said server adapted to generate and store alert ID numbers, said method comprising,

a first step wherein said client contacts the central server and requests the value of said alert ID number in said memory, said value reflecting the number of alert messages received by said central server,

a second step wherein said server transmits said value to said client,

a third step wherein said client compares a stored value at the client with the value of the transmitted alert ID number, and

if said transmitted value exceeds said stored value, a fourth step wherein said client transmits a second message to said server and requests for the server to transmit all unread alert messages in a GetUnreadAlerts request from said server that are specific to said client, and

if there are unread alert messages specific to said client in said server, a fifth step wherein said server sends to client all unread alert messages specific to the client, and,

a further step wherein said client updates the stored value in its memory to reflect the number of additional unread alert messaged transmitted from said server to said client in response to said second message,

<u>wherein said communications protocol comprises protocols for the transmission of messages over the internet.</u>

2. (original) The method recited in claim 1 wherein said client will contact said server at predetermined polling frequencies.

3. (original) The method recited in claim 1 wherein said communications between said clients and said servers uses a SOAP protocol.

4. (original) The method recited in claim 1 wherein said first communications between said clients and said servers uses a HTTP protocol and said second message from said client requesting unread alerts uses a SOAP protocol. .

5. (original) The method recited in claim 4 wherein said first communications between said clients and said servers uses a HTTP GET protocol and said second message from said client requesting unread alerts uses a SOAP protocol. .

6. (original) The method recited in claim 1 wherein said communication proceeds according to an RCP protocol.

7. (original) The method recited in claim 6 further comprises a RPC/UDP protocol.

8. (original) The method recited in claim 6 further comprises a RPC/TCP protocol.

9. (Withdrawn) An improved method for the dissemination of alert messages to a plurality of personal computers using a network communications protocols, said computers comprising clients, each said clients subscribing to a central server, said server comprising a memory adapted to receive and store alert messages, and alert ID number numbers and to assign an ID number value to each alert message received by said server, said method comprising,

a first step wherein a client transmits a GetUnreadAlerts SOAP request that includes authentication data,

second step wherein in response to said GetUnreadAlerts SOAP request from said client, said server transmits a protocol number and a temporary user token, wherein in response

request unread alert messages and communicate to said server it intends to communicate with the Conventional SOAP protocol, or in response to receiving protocol number 2, said client may proceed with the improved protocol in claim 1, and wherein said temporary token comprises a value created in response to said first GetUnreadAlerts authenticated SOAP message, and a further step where said temporary token value is transmitted to said server and a further step wherein said server compares said value with the value of the token stored at said server and if the values are equal, the communication will proceed and if the values are not equal and erro message is generated that requires the client to obtain a new token.

10. (Withdrawn) The method recited in claim 9 wherein said temporary tokens change values each time that a client contacts said server.

11. (withdrawn) The method recited in claim 9, wherein said token changes value after a predetermined time period has elapsed.

12. (original) The method of claim 1, wherein said alert message comprises: the date the message was received by said server, a time the message was received by said server, a date the message was sent to said client, a time the message was sent to said client, content of the message and combinations thereof.

13. (Currently amended) A system for providing alert messages to a plurality of clients using a polling-based network, said system comprising a plurality of clients, at least one server in communication with said clients using a network connection, said central server provided with input devices to receive alert messages, and a database, said database for storing said alert messages, and said processor having programming instructions to create and store an alert ID value corresponding to alert messages stored in said database, and said clients adapted

to communicate with said server using an RCP communications protocol wherein said protocol further comprises a first

communication from said client to said server requesting a Get Alert Messages using a SOAP communications protocol and wherein said client is transmitted an Alert ID message value from said server to said client, and if said Alert ID message value matches a stored message value, the client will further request from said server any alert messages to which it subscribes, wherein said communications protocol comprises protocols for the transmission of messages over the internet.

14. (original) The system of claim 13, wherein said server further comprising an application programming interface controls the administrator interface and provides at least one instruction to the administrator interface for creating said alert messages and transmitting said alert messages to the user contact devices.

15. (original) The system of claim13, further comprising display devices at said clients and at said server wherein said client displays, display said alter messages.

16. (original) The system of claim 13, wherein said database is an SQL.TM. database, MySQL.TM. database, an Oracle.TM. database, another industry standard database, or combinations thereof.

OPAB
JUL 23 2014
PATENT & TRADEMARK OFFICE

REQUEST FOR EXTENSION AND REMARKS

Please extend the time in which to respond to the Office Action Dated February 19, 2014 three months, up to and including July 21, 2014. The fee associated with this request for a small entity is included herein in the form of a form PTO-2038.

The Rejections under Section 103 of the Patent Statute.

The Examiner has rejected claims 1-8, and 12-16 under Section 103 of the Patent Statute (all of the pending claims) as unpatenable over Boland, U.S Publication No. 20050181767("Boland") in view of Gorty et al U.S Pub. No. 20070136464 (Gorty).

As understood, Boland generally discloses a paging system used over a cellular network wherein a pager that is remote from a Home Location Register communicates with a Mobile Switching Center to see if there are unread messages. One of the objects of Boland's system is to reducing paging channel occupancy for message waiting indication in mobile switching centers. The problem is further explained as applicable when a pager is outside a home location network or is roaming. As Boland explains, a problem in cellular communication networks to efficiently utilize the paging channel, also known as the forward control channel. The paging channel is a critical resource, which is used for a multitude of purposes, including call origination, call delivery, and the delivery of message waiting indications to the Mobile Subscriber Station. The number of calls that a Mobile Switching Center can handle is determined by the capacity and the present occupancy of the paging channel. Therefore, any reduction in the use of the paging channel results in a significant performance improvement for the Mobile Switching Center. See Boland Paragraph [0003].

In addition to the features recognized by the Examiner that distinguish the claimed invention from Boland, Boland's system and method is further differs from Applicant's claimed system method because Boland uses a plurality of mobile switching centers—not a central server – as the

Applicant has described and claimed. Consequently, Boland's clients are not configured to contact a single server but rather contact one of a plurality of "centers."

Boland may broadly be relevant because it is designed to reduce traffic on a "communications network" the problem addressed by Boland relates to a cellular phone network but is problem and solution are different from that disclosed by Applicant. In this regard, the problem solved by the applicant relates to polling based systems wherein the inventor sought to reduce the frequency of polling requests by using a http communication protocol (HTTP GET) thereby restricting the size of the data that was required to be sent over the network. As the Applicant discussed in the specification, while the response to a remote method call from the client has no explicit restrictions on size, if large amounts of data per request are being passed to or from the server, the messaging architecture of the prior art systems may be problematic. The Applicant's invention therefore addresses circumstances when polling architectures increase in scaling by providing a method that improves the performance of the system.

It is submitted that the nature of the problems addressed by Boland and the inventors and their respective solutions are thus materially different. Applicant's notification system is directed to a polling based system operated on an internet communications network. The network is described as follows in Applicant's specification: "The server may communicate with the client using a local area network, a wide area network, a virtual private network, an asynchronous transfer mode network, a synchronous optical network, a wireless network, a WIFI network, a WiMax network or combinations thereof." See Specification Paragraph [0011].

In any event, in order to further distinguish the present invention from Boland, the applicant has amended claims 1 to limit the communications network to those internet communication technologies and associated protocols that are described in the specification.

Gorty addresses a similar problem as that addressed by the Applicant but teaches a different solution. As such, it can be considered to teach away from the invention. Gorty relates to a polling environment that, like Applicant's, and seeks to determine if a new messages are available on a server. According to its system and method, a web page containing a list of recent messages is first retrieved by the client, next the list comprising UID's (unique identifiers are compared with a list of unique identifiers from a previous poll). In contrast, the Applicant solves the problem by asking the server for the number of new messages and then comparing that number with a stored number. Further, Applicant's system and method does not require the downloading of a webpage as suggested by the teachings of Gorty. See Paragraph [0013].

It is respectfully submitted that the combination of Boland and Gorty does not reach the claimed invention. If one were to alter Boland and apply the teachings of Gorty, one skilled in the art would assign unique identifiers (UIDs') to each message and then compares the UIDs to a previous list of UID's stored at the client using a web page. As discussed above, the claimed system and method uses is different than Gorty's method and constitutes an efficient technique that involves a minimum amount of transferred data from the client to the server.

In summary, Claim 1 is both novel and not obvious in view of the differences discussed above. Claims 2 and 4 are both novel and not obvious in view of the differences discussed above. Claims 5 through 8 are allowable for the reasons recited above and further because they recites a communications protocols that are nether disclosed nor taught by the prior art. (There is no rationale for the rejection of Claims 7 and 8 in the Office Action.)

In connection with Claim 12, the claim further requires the transmission of certain additional information from the message alert that is transmitted to the client. The claim is allowable for the same reasons that claim 1 is allowable.

Claim 13, a dependent claim has been amended like claim 1. It is allowable over the prior art, *inter alia* because it recites specific RCP communications protocol in the alert system that are not taught by the prior art and uses an alert ID value like claim 1. The specification teaches some of the advantages of the RCP protocol:

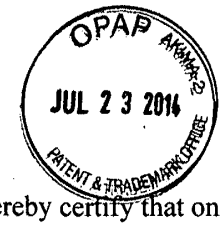
> The key features of RPC are a request-reply protocol, and can exhibit the "ping-pong" behavior typical of such protocols. This exchange is not fundamental to RPC's design, since multiple requests can be outstanding, and the replys can be received in any order. However, some programs will issue a single RPC request, and then block awaiting a reply. RPC operates over UDP or TCP. RPC/UDP is a connection-less, stateless protocol. RPC/TCP is slower, but provides a reliable, stateful connection. RPC encodes its data using the eXternal Data Representation (XDR) protocol, documented in RFC 1832 standard which standardizes the format of integers, floating point numbers, and strings, and thereby permitting different types of computers to enhance information seamlessly. RPC provides support for authenticating the calling program on one machine to the target subroutine on the other. This authentication can operate in several different modes. During NFS operations, authentication usually takes the form of relaying UNIX user and group IDs to the file server for permission checking.

Claims 14 and 15 are dependent on claim 13 and are allowable for the same reasons as claim 13.

In view of the foregoing, the applicant respectfully submits that the claims as amended are allowable and the Section 103 grounds of rejection have been traversed.

Respectfully submitted,

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(301) 537-3299



Certificate of Mailing

I hereby certify that on this 21 day of July 2014, a copy of the foregoing Amendment, Request for Extension of time, PTO-2038 for U.S Application No. 13067,878 was mailed with sufficient postage, first class mail in an envelope addressed to

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

Andrew C. Aitken, Reg. No. 36,729

PTO/SB/06 (09-11)
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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 13/067,878	Filing Date 07/01/2011	☐ 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 07/23/2014

	(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE ($)	ADDITIONAL FEE ($)
Total (37 CFR 1.16(i))	* 16	Minus	** 20	= 0	X $40 =	0
Independent (37 CFR 1.16(h))	* 3	Minus	***3	= 0	X $210 =	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	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
/LASHAWN MARKS/

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**
If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/067,878	07/01/2011	Philipp W. Beisel	DE1010US	8104

7590 02/19/2014

Andrew C. Aitken
P.O. Box 1810
Wheaton, MD 20915

EXAMINER	
AHMED, MOHAMMED	
ART UNIT	PAPER NUMBER
2456	
MAIL DATE	DELIVERY MODE
02/19/2014	PAPER

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.

Office Action Summary	Application No. 13/067,878	Applicant(s) BEISEL, PHILIPP W.	
	Examiner MOHAMMED AHMED	Art Unit 2456	AIA (First Inventor to File) Status No

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

Period for Reply

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

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

Status

1)☒ Responsive to communication(s) filed on *10/15/2013*.

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

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

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

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

Disposition of Claims*

5)☒ Claim(s) *1-16* is/are pending in the application.

5a) Of the above claim(s) *9-11* is/are withdrawn from consideration.

6)☐ Claim(s) _____ is/are allowed.

7)☒ Claim(s) *1-8, 12-16* is/are rejected.

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

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

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

Application Papers

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

11)☒ The drawing(s) filed on *07/01/2011* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

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

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

Priority under 35 U.S.C. § 119

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

Certified copies:

a)☐ All b)☐ Some** c)☐ None of the:

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

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

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

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

Attachment(s)

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

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

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

4) ☐ Other: _____.

The present application is being examined under the pre-AIA first to invent provisions.

DETAILED ACTION

This Office Action is in response to communication filed on 10/15/2013. Claims 1-16 were pending. Applicant has elected Group I, claims 1-8 and 12-16 for examination based on the election/restriction requirement that was mailed out on 09/11/2013. Currently claims 1-8 and 12-16 are pending. Claims 9-11 are withdrawn from current prosecution.

Claim Rejections - 35 USC § 103

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

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-6 and 12-16 are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Boland et al. (US Pub 20050181767), and further in view of Gorty et al. (US Pub 20070136464).

1. With respect to independent claim 1, Boland teaches an improved method for the dissemination of an alert message to a plurality of personal computers using a network communications protocol (see Boland fig.1 and ¶0020 *cellular communication network*), said computers comprising clients (see Boland fig.1 and ¶0020 *mobile subscribing*

stations), each said clients subscribing to a central server (see Boland fig.1 ¶0020 *mobile switching centers*), said server comprising an alert message cache (see Boland figs.1, 2, and ¶0023 *home location register stores messages*), said server adapted to receive and store alert messages (see Boland figs.1, 2, and ¶0023 *home location register stores messages*), and said server adapted to generate and store alert ID numbers (see Boland fig.2 and ¶0023 *home location register forms new MSGS ACK parameter based on new messages for subscriber*), said method comprising:

a first step wherein said client contacts the central server and requests the value of said alert ID number in said memory, said value reflecting the number of alert messages received by said central server (see Boland ¶0023 *client has previously acknowledged message count and also requests to acknowledge unread messages*),

a second step wherein said server transmits said value to said client (see Boland fig.2 and ¶0023 *set value number of messages in subscriber's record*),

if said transmitted value exceeds said stored value (see Boland fig.2 item 211 and ¶0023 *determination made that unread messages exist*), and

if there are unread alert messages specific to said client in said server (see Boland fig.2 item 211 and ¶0023 *determination made that unread messages exist*), a fifth step wherein said server sends to client all unread alert messages specific to the client (see Boland ¶0023 *forwarding unread messages to mobile subscriber station*), and,

a further step wherein said client updates the stored value in its memory to reflect the number of additional unread alert messaged transmitted from said server to said

client in response to said second message (see Boland ¶0023 *client has previously acknowledged message count value, therefore it will update its stored value*).

Boland is silent to teach wherein said client compares a stored value at the client with the value of the transmitted alert ID number, wherein said client transmits a second message to said server and requests for the server to transmit all unread alert messages in a GetUnreadAlerts request from said server that are specific to said client

Gorty teaches a system and method of polling electronic mailboxes for unread messages. Please see figs.1-3 and ¶0026-0027 and ¶0037-0040. The mobile device 12 communicates with mobile office platform which can also be downloaded and operated by the mobile user, polls source mailboxes for current number of messages. The messages are compared with the UID database to determine which if any UIDs are newer from the previous poll. If any new UIDs are determined, they are requested at the mobile user and are transmitted. Therefore it would have been obvious at the time of the invention to a person having ordinary skill in the art to which the subject matter pertains to modify Boland with the comparison being done at the client side by Gorty in order to reduce processing load on the server side when determining unread messages.

2. For claim 2, Boland/Gorty teaches the method recited in claim 1 wherein said client will contact said server at predetermined polling frequencies (see Gorty ¶0013 polling interval).

3. For claim 3, Boland/Gorty teaches the method recited in claim 1 wherein said communications between said clients and said servers uses a SOAP protocol (see Gorty ¶0033 SOAP protocol compliance).

4. For claim 4, Boland/Gorty teaches the method recited in claim 1 wherein said first communications between said clients and said servers uses a HTTP protocol and said second message from said client requesting unread alerts uses a SOAP protocol (see Gorty ¶0035 SOAP over HTTP for communication).

5. For claim 5, Boland/Gorty teaches the method recited in claim 4 wherein said first communications between said clients and said servers uses a HTTP GET protocol and said second message from said client requesting unread alerts uses a SOAP protocol (see Gorty ¶0035 SOAP over HTTP for communication).

6. For claim 6, Boland/Gorty teaches the method recited in claim 1 wherein said communication proceeds according to an RPC protocol (see Gorty ¶0033-0035 SOAP succeeds XML-RPC).

12. For claim 12, Boland/Gorty teaches the method of claim 1, wherein said alert message comprises: the date the message was received by said server, a time the message was received by said server, a date the message was sent to said client, a time the message was sent to said client, content of the message and combinations thereof (see Gorty ¶0013 polling in real time to provide alert message in real time).

Claims 7-8, and 13-16 are rejected under pre-AIA 35 U.S.C. 103(a) as being unpatentable over Boland/Gorty, and further in view of Haff et al. (US Pub 20100299728).

7. For claim 7, Boland/Gorty teach all the limitations of claim 6. Boland/Gorty is silent to teach the method recited in claim 6 further comprises a RPC/UDP protocol. Haff teaches communication over UDP (see Haff ¶0094). Therefore it would have been obvious at the time of the invention to a person having ordinary skill in the art to which the subject matter pertains to modify with Boland/Gorty with the UDP communication taught by Haff to allow for faster connections and data transfer.

8. For claim 8, Boland/Gorty teach all the limitations of claim 6. Boland/Gorty is silent to teach the method recited in claim 6 further comprises a RPC/TCP protocol. Haff teaches communication over TCP (see Haff ¶0094). Therefore it would have been obvious at the time of the invention to a person having ordinary skill in the art to which the subject matter pertains to modify with Boland/Gorty with the TCP communication taught by Haff to allow for reliable data transfer.

13. With respect to independent claim 13, Boland teaches a system for providing alert messages to a plurality of clients using a polling-based network (see Boland fig.1 and ¶0020 *mobile subscribing stations in a cellular communication network*), said system comprising a plurality of clients (see Boland fig.1 and ¶0020 *mobile subscribing stations*), at least one server in communication with said clients using a network

connection (see Boland fig.1 ¶0020 *mobile switching centers in a cellular communication network*), said central server provided with input devices to receive alert messages (see Boland fig.1 ¶0020 *mobile switching centers*), and a database, said database for storing said alert messages (see Boland figs.1, 2, and ¶0023 *home location register stores messages*), and said processor having programming instructions to create and store an alert ID value corresponding to alert messages stored in said database (see Boland fig.2 and ¶0023 *home location register forms new MSGS ACK parameter based on new messages for subscriber*),

Boland is silent to teach said clients adapted to communicate with said server using an RPC communications protocol wherein said protocol further comprises: a first communication from said client to said server requesting a Get Alert Messages using a SOAP communications protocol, and wherein said client is transmitted an Alert ID message value from said server to said client, and if said Alert ID message value matches a stored message value, the client will further request from said server any alert messages to which it subscribes.

Gorty teaches a system and method of polling electronic mailboxes for unread messages. Gorty teaches said clients adapted to communicate with said server using an RPC communications protocol (see Gorty ¶0033 SOAP protocol compliance) wherein said protocol further comprises: a first communication from said client to said server requesting a Get Alert Messages using a SOAP communications protocol (see Gorty ¶0035 SOAP over HTTP for communication).

Therefore it would have been obvious at the time of the invention to a person having ordinary skill in the art to which the subject matter pertains to modify Boland with the RPC communications protocol taught by Gorty in order to implement a secure and faster transfer system.

Boland in view of Gorty is silent to teach wherein said client is transmitted an Alert ID message value from said server to said client, and if said Alert ID message value matches a stored message value, the client will further request from said server any alert messages to which it subscribes.

Haff teaches a file transfer system between computers that first requires authentication prior to client sending further requests. Please see fig.13 and ¶0191. An ID packet is sent to the destination. If a response is received, the response is compared with authenticator code word or whatever is on file, to make sure it matches. If match is found, the destination is marked active and the file transfer continues.

Therefore it would have been obvious at the time of the invention to a person having ordinary skill in the art to which the subject matter pertains to modify Boland/Gorty with the authentication matching process by Haff in order to provide a secure level of data transfer of messages.

14. For claim 14, Boland/Gorty/Haff teaches the system of claim 13, wherein said server further comprising an application programming interface controls the administrator interface and provides at least one instruction to the administrator interface for creating said alert messages and transmitting said alert messages to the user contact devices

(see Haff fig.2 and ¶0036 ¶0075-0076, *API controls for sending and receiving messages*).

15. For claim 15, Boland/Gorty/Haff teaches the system of claim 13, further comprising display devices at said clients and at said server wherein said client displays, display said alter messages (see Gorty ¶0007, ¶0043).

16. For claim 16, Boland/Gorty/Haff teaches the system of claim 13, wherein said database is an SQL.TM. database, MySQL.TM. database, an Oracle.TM. database, another industry standard database, or combinations thereof (see Gorty ¶0018 and fig.1 UID's stored at database).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MOHAMMED AHMED whose telephone number is (571)270-5659. The examiner can normally be reached on Monday thru Friday 8 A.M.-5 P.M.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rupal Dharia can be reached on (571) 272-3880. 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.

/RUPAL DHARIA/
Supervisory Patent Examiner, Art Unit 2456

/M. A./
February 10, 2014
Examiner, Art Unit 2456

Notice of References Cited	Application/Control No. 13/067,878	Applicant(s)/Patent Under Reexamination BEISEL, PHILIPP W.	
	Examiner MOHAMMED AHMED	Art Unit 2456	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-2005/0181767	08-2005	Boland et al.	455/412.2
*	B	US-2007/0136464	06-2007	GORTY et al.	709/224
*	C	US-2010/0299728	11-2010	Haff et al.	726/5
*	D	US-2005/0246424	11-2005	Panec et al.	709/207
*	E	US-2006/0069734	03-2006	Gersh et al.	709/207
*	F	US-2003/0028587	02-2003	Driscoll et al.	709/203
*	G	US-6,701,353	03-2004	Block, Frederick P.	709/219
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

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

NON-PATENT DOCUMENTS

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

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

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	261	SOAP with ((HTTP near GET) or (HTTP adj GET) or (HTTP$GET))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 18:26
L2	240	L1 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 18:26
L3	67	SOAP near HTTP near Binding	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 18:29
L4	66	L3 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 18:29
L5	3671	(HTTP near protocol) same (SOAP near protocol)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 18:59
L6	361449	L5 smae poll$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 18:59
L7	14	L5 same poll$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 18:59
L8	13	L7 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 19:00
L9	17	(HTTP near GET near protocol) same (SOAP near protocol)	US-PGPUB; USPAT;	OR	ON	2014/02/10 19:19

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
L10	83	TCP with UDP with poll$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 19:23
L11	79	L10 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 19:23
L12	0	TCP with UDP with poll$3 with SOAP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 19:28
L13	0	L10 same SOAP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 19:29
L14	2	L10 and SOAP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 19:29
L16	62	((time near stamp) or (time adj stamp) or (time$stamp)) with poll$3 with message	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 20:23
L17	52	L16 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 20:23
L18	83	UDP with TCP with poll$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 20:56
L19	1	match with (ID near value) with poll$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 20:59
L20	1	match$3 with (ID near value) with poll$3	US-PGPUB; USPAT;	OR	ON	2014/02/10 20:59

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
L21	449	match$3 with (ID or value or message) with poll$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 21:00
L22	47148	UDP with TCP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 21:00
L23	29	L21 and L22	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 21:00
L24	27	L23 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 21:00
L25	0	L24 and SOAP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 21:23
L26	1	L23 and SOAP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 21:23
L27	20100	709/206.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 22:20
L28	1899	L27 and poll$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 22:20
L29	229	L28 and SOAP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 22:20
L30	25248	709/224.ccls.	US-PGPUB; USPAT;	OR	ON	2014/02/10 22:20

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
L31	3346	L30 and poll$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 22:21
L32	196	L31 and SOAP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 22:21
L33	2842	H04L51/24.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 22:27
L34	3458	H04L12/587.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 22:27
L35	71388	H04L29/06.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 22:28
L36	73	H04L29/08045.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 22:28
L37	3702	H04L29/12018.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 22:28
L38	1136	H04L29/12924.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 22:28
L39	3655	H04L61/10.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 22:28
L40	1165	H04L61/6063.cpc.	US-PGPUB; USPAT;	OR	ON	2014/02/10 22:28

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
L41	6328	H04L63/0442.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 22:29
L42	28054	H04L63/08.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 22:29
L43	14225	H04L63/0823.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 22:29
L44	3314	H04L63/168.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 22:29
L45	507	(L33 or L34 or L35 or L36 or L37 or L38 or L39 or L40 or L41 or L42 or L43 or L44) and SOAP and poll$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 22:30
L46	472	L45 and HTTP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 22:30
S1	12	poll$3 with (delta offset change) with (number value integer increment) with (alert alarm) and (get pull) and (http soap)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/08/23 19:44
S2	207	alert with SOAP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/08/23 19:45
S3	161	S2 and @ad<"20100701"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/08/23 19:45
S4	4	S3 and (HTTP near GET)	US-PGPUB; USPAT;	OR	ON	2013/08/23 19:45

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S5	11	(message near alert) with SOAP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/08/23 19:46
S6	572	alert near ID	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/08/23 19:48
S7	943	alert near (ID or identification)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/08/23 19:48
S8	1	S7 same SOAP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/08/23 19:49
S9	40	S7 and SOAP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/08/23 19:50
S10	29	S9 and @ad<"20100701"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/08/23 19:50
S11	4	"20060069734" or "20030028587"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/08/26 05:59
S12	4	"20110004621" or "20070115936"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/08/26 06:45
S13	399	(un$read or ("not" adj read)) same alert	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/08 19:05
S14	356	S13 and @ad<"20110701"	US-PGPUB; USPAT;	OR	ON	2013/09/08 19:05

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S15	297	S13 and @pd<"20110701"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/08 19:05
S16	261	S13 and @pd<"20100701"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/08 19:05
S17	3	S14 and (HTTP near GET)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/08 19:06
S18	22	S14 and (SOAP)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/08 19:09
S19	329	(un$read or ("not" adj read)) same message same alert	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/08 19:13
S20	293	S19 and @ad<"20110701"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/08 19:13
S21	2	S20 and (HTTP and SOAP)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/08 19:14
S22	2	"20070115936"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/08 19:26
S23	8	(un$read or ("not" adj read)) near alert near message	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/08 19:31
S24	193	(un$read or ("not" adj read)) with alert with message	US-PGPUB; USPAT;	OR	ON	2013/09/08 19:33

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S25	174	S24 and @ad<"20110701"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/08 19:33
S26	1	S25 and (HTTP and SOAP)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/08 19:33
S28	6	alert near message near cache	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/09/08 19:36
S29	14415	SAAS	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 10:15
S30	2	S29 near poll$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 10:16
S31	10	S29 with poll$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 10:16
S32	3	desktop near alert near system	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 10:24
S33	210	(un$read or ("not" adj read)) with alert with message	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 16:04
S34	187	S33 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 16:10
S35	16	((un$read or ("not" adj read)) near alert) with message	US-PGPUB; USPAT;	OR	ON	2014/02/06 16:13

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S36	13	S35 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 16:13
S37	50	((un$read or ("not" adj read)) near alert)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 16:14
S38	45	S37 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 16:15
S39	4	(poll$3 near messages) with (change near3 number)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 19:34
S40	10	(poll$3 near messages) with (threshold near3 number)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 19:35
S41	12	poll$3 with (delta offset change) with (number value integer increment) with (alert alarm) and (get pull) and (http soap)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 19:37
S42	4000	(un$read or ("not" adj read)) with message	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 19:38
S43	2033	(un$read or ("not" adj read)) near message	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 19:38
S44	4	poll$3 with ((un$read or ("not" adj read)) near message)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 19:38
S45	4	2005/0181767	US-PGPUB; USPAT;	OR	ON	2014/02/06 19:47

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S46	3	"20050181767"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 19:47
S47	51	(@ad<"20100701" or @rlad<"20100701") and (get retriev$3 request$3 receiv$3) near7 unread same (compar$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 19:54
S48	12	poll$3 with ((un$read or ("not" adj read)) with message)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 19:58
S49	12	(@ad<"20100701" or @rlad<"20100701") and S48	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 19:58
S50	11	(@ad<"20100701" or @rlad<"20100701") and unread near3 (message email (e electronic) adj mail) near7 (count number amount) near7 request$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/06 20:04
S51	3214	H04L61/00.cpc.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/07 06:42
S52	18	S51 and SOAP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/07 06:42
S53	1	13/067878 and match$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 07:01
S54	374	client with compar$3 with messages with request	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 08:43
S55	331	S54 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT;	OR	ON	2014/02/10 08:44

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S56	1	S54 with SOAP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 08:44
S57	1	S54 same SOAP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 08:44
S58	29	S54 and SOAP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 08:44
S59	3	S54 and SOAP and (HTTP near GET)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 08:44
S60	28	S54 and SOAP and HTTP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 08:45
S61	26	S60 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 08:46
S62	0	compar$3 adj at adj client	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 08:48
S63	0	compar$3 near at near client	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 08:48
S64	25312724	EP1318461 A1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 08:51
S65	0	compar$3 adj on adj client	US-PGPUB; USPAT;	OR	ON	2014/02/10 08:51

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S66	0	compar$3 near on near client	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 08:51
S67	0	compar$3 near "on" near client	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 08:51
S68	0	compar$3 near "at" near client	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 08:51
S69	27	"1318461"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 08:51
S70	0	compar$3 adj at adj (client or user)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 08:54
S71	0	compar$3 near at near (client or user)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 08:54
S72	2	compar$3 near by near (client or user)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 08:55
S73	0	compar$3 adj by adj (client or user)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 08:55
S74	2	"20070220011"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 08:58
S75	5	"20010044828"	US-PGPUB; USPAT;	OR	ON	2014/02/10 09:02

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S76	14	"6701353"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 09:23
S77	7	"20110125845"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 09:30
S78	2	"20090240936"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 09:33
S79	52	(client$side or clientside or client-side) near compar$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 09:34
S80	0	(client$side or clientside or client-side) near compar$4 near message	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 09:34
S81	0	(client$side or clientside or client-side) near2 compar$4 near2 message	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 09:34
S82	95	(client$side or clientside or client-side) near2 compar$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 09:35
S83	5	S82 and SOAP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 09:35
S84	546	polling adj client	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 09:36
S85	7	S84 with compar$4	US-PGPUB; USPAT;	OR	ON	2014/02/10 09:37

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S86	6	S85 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 09:37
S87	0	polling adj client adj message	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 09:38
S88	33	S84 with message	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 09:38
S89	20	S88 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 09:38
S90	48	client near compar$4 near value	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 13:03
S91	37	S90 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 13:04
S92	0	client near poll$3 near compar$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 13:17
S93	53	(client or user) near3 poll$3 near3 compar$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 13:17
S94	42	S93 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 13:17
S95	5	"20070136464"	US-PGPUB; USPAT;	OR	ON	2014/02/10 13:20

			USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S96	3	poll$ with (HTTP near GET) with SOAP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 14:02
S97	10	poll$ same ((HTTP near GET) with SOAP)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 14:07
S98	10	S97 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 14:08
S99	251	SOAP with (HTTP$GET or (HTTP adj GET))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 14:14
S100	3	S99 with poll$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 14:15
S101	10	S99 same poll$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 14:15
S102	57	S99 and poll$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 14:15
S103	52	S102 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 14:15
S104	1	13/067878	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 14:34
S105	2	TCP same UDP same (HTTP$GET or (HTTP adj GET)	US-PGPUB; USPAT;	OR	ON	2014/02/10 16:07

		or (HTTP near GET)) same SOAP	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S106	542992	TCP with4 UDP with4 (HTTP$GET or (HTTP adj GET) or (HTTP near GET)) with4 SOAP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 16:08
S107	405	TCP and UDP and (HTTP$GET or (HTTP adj GET) or (HTTP near GET)) and SOAP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 16:09
S108	373	S107 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 16:09
S109	149	S107 and poll$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 16:09
S110	137	S109 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 16:09
S111	20410	RPC	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 16:25
S112	2943	RPC with SOAP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 16:25
S113	7	RPC with SOAP with (HTTP near GET)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 16:25
S114	6	S113 and (@ad<"20100701" or @rlad<"20100701")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 16:26
S115	41	(first near (message or communication)) with (HTTP	US-PGPUB; USPAT;	OR	ON	2014/02/10 16:28

		near GET)	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			
S116	195	((second or next) near (message or communication)) with (SOAP)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 16:29
S117	1	S115 and S116	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 16:29
S118	21	SOAP-HTTP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 16:31
S119	256	SOAP with (HTTP near GET)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 16:35
S120	261	SOAP with ((HTTP near GET) or (HTTP adj GET) or (HTTP$GET))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 16:36
S121	3	S120 with poll$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 16:36
S122	3	S120 with UDP and TCP	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2014/02/10 16:37

EAST Search History (Interference)

<This search history is empty>

2/ 10/ 2014 10:41:53 PM
C:\ Users\ mahmed4\ Documents\ EAST\ Workspaces\ 13067878.wsp

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	13067878	BEISEL, PHILIPP W.
	Examiner	Art Unit
	MOHAMMED AHMED	2456

CPC- SEARCHED		
Symbol	Date	Examiner
H04L51/24, H04L12/587, H04L29/06, H04L29/08045, H04L29/12018, H04L29/12924	2/10/2014	M.A.
H04L61/10, H04L61/6063	2/10/2014	M.A.
H04L63/0442, H04L63/08, H04L63/0823, H04L63/168	2/10/2014	M.A.

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
709	206, 224	2/9/2014	M.A.

SEARCH NOTES		
Search Notes	Date	Examiner
see EAST search history	2/9/2014	M.A.

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

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	13067878	BEISEL, PHILIPP W.
	Examiner	Art Unit
	MOHAMMED AHMED	2456

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

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

CLAIM		DATE								
Final	Original	09/08/2013	02/10/2014							
	1	÷	✓							
	2	÷	✓							
	3	÷	✓							
	4	÷	✓							
	5	÷	✓							
	6	÷	✓							
	7	÷	✓							
	8	÷	✓							
	9	÷	-							
	10	÷	-							
	11	÷	-							
	12	÷	✓							
	13	÷	✓							
	14	÷	✓							
	15	÷	✓							
	16	÷	✓							

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UNITED STATES DEPARTMENT OF COMMERCE
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www.uspto.gov

BIB DATA SHEET

CONFIRMATION NO. 8104

SERIAL NUMBER	FILING or 371(c) DATE RULE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
13/067,878	07/01/2011	709	2456	DE1010US

APPLICANTS

INVENTORS
Philipp W. Beisel, San Jose, CA;

**** CONTINUING DATA ***************************
This appln claims benefit of 61/398,796 07/01/2010

**** FOREIGN APPLICATIONS ***************************

**** IF REQUIRED, FOREIGN FILING LICENSE GRANTED **** ** SMALL ENTITY **
07/15/2011

Foreign Priority claimed ☐ Yes ☑ No 35 USC 119(a-d) conditions met ☐ Yes ☑ No Verified and Acknowledged /MOHAMMED AHMED/ Examiner's Signature	☐ Met after Allowance Initials	STATE OR COUNTRY	SHEETS DRAWINGS	TOTAL CLAIMS	INDEPENDENT CLAIMS
		CA	12	16	3

ADDRESS

Andrew C. Aitken
P.O. Box 1810
Wheaton, MD 20915
UNITED STATES

TITLE

Polling-based secure network message notification system and method with performance enhancing features

FILING FEE RECEIVED		
610	FEES: Authority has been given in Paper No._____ to charge/credit DEPOSIT ACCOUNT No._____ for following:	☐ All Fees ☐ 1.16 Fees (Filing) ☐ 1.17 Fees (Processing Ext. of time) ☐ 1.18 Fees (Issue) ☐ Other _____ ☐ Credit

BIB (Rev. 05/07).

OPAP AMMA-13
OCT 1 5 2013
PATENT & TRADEMARK OFFICE

IFW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: Phillipp W. Beisel

Art Unit: 2186

Application No: 13/067,878

Examiner: Ahmed, Mohammed

Confirmation No: 8104

Filed: 07/01/2011

Atty. Docket No: DE1010US

Customer No:

For:

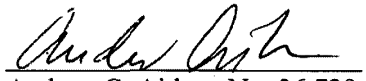
RESPONSE TO RESTRICTION REQUIREMENT

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

Dear Sir:

In response to the Office Action mailed September 11, 2013, the applicant elects the invention that is recited in claims 1-9 and 12-16.

Respectfully submitted,

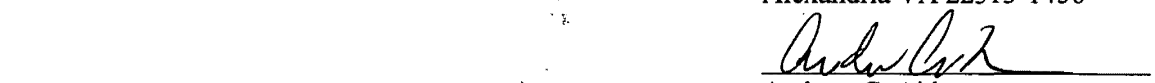


Andrew C. Aitken, No. 36,729
Aitken Law Offices
P.O. Box 1810
Wheaton, MD 20915
(301) 537-3299

Certificate of Mailing

I hereby certify that a copy of the foregoing response was mailed this 11th day of October 2013, postage prepaid to:

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



Andrew C. Aitken

UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
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www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/067,878	07/01/2011	Philipp W. Beisel	DE1010US	8104

7590 09/11/2013

Andrew C. Aitken
P.O. Box 1810
Wheaton, MD 20915

EXAMINER	
AHMED, MOHAMMED	
ART UNIT	PAPER NUMBER
2456	

MAIL DATE	DELIVERY MODE
09/11/2013	PAPER

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.

Office Action Summary	Application No. 13/067,878	Applicant(s) BEISEL, PHILIPP W.	
	Examiner MOHAMMED AHMED	Art Unit 2456	AIA (First Inventor to File) Status No

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

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *1* MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

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

Status

1)☒ Responsive to communication(s) filed on *07/01/2011*.

☐ 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) *1-16* is/are pending in the application.

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

6)☐ Claim(s) _____ is/are allowed.

7)☐ Claim(s) _____ is/are rejected.

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

9)☒ Claim(s) *1-16* are subject to restriction and/or election requirement.

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

Application Papers

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

11)☒ The drawing(s) filed on *07/01/2011* 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/08) Paper No(s)/Mail Date _____.

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

4) ☐ Other: _____.

DETAILED ACTION

This Office Action is in response to communication filed on 07/01/2011. Claims 1-16 are pending.

Election/Restrictions

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

I. Claims 1-8, and 12-16 are drawn to clients requesting alert messages from a server and the messages being transmitted based on a stored threshold, classified in 709/206.

II. Claims 9-11 are drawn to temporary token assignment for communication synchronization, classified in 709/248.

Inventions I and II are related as combination and subcombination. Inventions in this relationship are distinct if it can be shown that (1) the combination as claimed does not require the particulars of the subcombination as claimed for patentability, and (2) that the subcombination has utility by itself or in other combinations (MPEP § 806.05(c)). In the instant case, the combination as claimed does not require the particulars of the subcombination as claimed because invention I has a utility that a client requests a value ID representing alert messages from the server, checks the value stored at the client with the requested value ID, and sends a second message to server and requests all unread alert messages if the received ID exceeds the stored threshold. The subcombination has separate utility that the server transmits a protocol number and a temporary token to said client in response to a request; the temporary

token is compared with the token that is stored and if the values are equal, the communication may continue, else an error message requires client to obtain new token.

The examiner has required restriction between combination and subcombination inventions. Where applicant elects a subcombination, and claims thereto are subsequently found allowable, any claim(s) depending from or otherwise requiring all the limitations of the allowable subcombination will be examined for patentability in accordance with 37 CFR 1.104. See MPEP § 821.04(a). Applicant is advised that if any claim presented in a continuation or divisional application is anticipated by, or includes all the limitations of, a claim that is allowable in the present application, such claim may be subject to provisional statutory and/or nonstatutory double patenting rejections over the claims of the instant application.

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

- the groupings have acquired a separate status in the art in view of their different classification
- the groupings have acquired a separate status in the art due to their recognized divergent subject matter the groupings require a different field of search (e.g., searching different classes/subclasses or electronic resources, or employing different search strategies or search queries).

Applicant is advised that the reply to this requirement to be complete must include (i) an election of an invention to be examined even though the requirement

may be traversed (37 CFR 1.143) **and (ii) identification of the claims encompassing the elected invention**.

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

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

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MOHAMMED AHMED whose telephone number is (571)270-5659. The examiner can normally be reached on Monday thru Friday 8 A.M.-5 P.M.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rupal Dharia can be reached on (571) 272-3880. 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.

/M. A./
September 7, 2013
Examiner, Art Unit 2456

/Rupal D. Dharia/
Supervisory Patent Examiner, Art Unit 2456

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	13067878	BEISEL, PHILIPP W.
	Examiner	Art Unit
	MOHAMMED AHMED	2456

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

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

CLAIM		DATE								
Final	Original	09/08/2013								
	1	÷								
	2	÷								
	3	÷								
	4	÷								
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	6	÷								
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	15	÷								
	16	÷								

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BIB DATA SHEET

CONFIRMATION NO. 8104

SERIAL NUMBER	FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
13/067,878	07/01/2011 RULE	709	2456	DE1010US

APPLICANTS
Philipp W. Beisel, San Jose, CA;

**** CONTINUING DATA ***************************
This appln claims benefit of 61/398,796 07/01/2010

**** FOREIGN APPLICATIONS ***************************

**** IF REQUIRED, FOREIGN FILING LICENSE GRANTED **** ** SMALL ENTITY **
07/15/2011

Foreign Priority claimed ☐ Yes ☑ No 35 USC 119(a-d) conditions met ☐ Yes ☑ No Verified and Acknowledged /MOHAMMED AHMED/ Examiner's Signature	☐ Met after Allowance Initials	STATE OR COUNTRY	SHEETS DRAWINGS	TOTAL CLAIMS	INDEPENDENT CLAIMS
		CA	12	16	3

ADDRESS

Andrew C. Aitken
P.O. Box 1810
Wheaton, MD 20915
UNITED STATES

TITLE

Polling-based secure network message notification system and method with performance enhancing features

FILING FEE RECEIVED		
610	FEES: Authority has been given in Paper No._____ to charge/credit DEPOSIT ACCOUNT No._____ for following:	☐ All Fees ☐ 1.16 Fees (Filing) ☐ 1.17 Fees (Processing Ext. of time) ☐ 1.18 Fees (Issue) ☐ Other _____ ☐ Credit

BIB (Rev. 05/07).

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

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
13/067,878	07/01/2011	Philipp W. Beisel	DE1010US

CONFIRMATION NO. 8104

Andrew C. Aitken
P.O. Box 1810
Wheaton, MD 20915

PUBLICATION NOTICE

OC000000052496655

Title: Polling-based secure network message notification system and method with performance enhancing features

Publication No.US-2012-0036208-A1
Publication Date:02/09/2012

NOTICE OF PUBLICATION OF APPLICATION

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

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

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

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

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

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

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 13/067,878

APPLICATION AS FILED - PART I

	(Column 1)	(Column 2)	SMALL ENTITY		OR	OTHER THAN SMALL ENTITY	
FOR	NUMBER FILED	NUMBER EXTRA	RATE($)	FEE($)		RATE($)	FEE($)
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	190		N/A	
SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A	310		N/A	
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	125		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	16 minus 20 =	*	x 30 =	0.00	OR		
INDEPENDENT CLAIMS (37 CFR 1.16(h))	3 minus 3 =	*	x 125 =	0.00			
APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			0.00			
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				0.00			
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL	625		TOTAL	

APPLICATION AS AMENDED - PART II

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

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

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

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
13/067,878	07/01/2011	2447	610	DE1010US	16	3

CONFIRMATION NO. 8104

Andrew C. Aitken
P.O. Box 1810
Wheaton, MD 20915

UPDATED FILING RECEIPT

OC000000050719078

Date Mailed: 11/02/2011

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

Applicant(s)

Philipp W. Beisel, San Jose, CA;

Power of Attorney: None

Domestic Priority data as claimed by applicant

This appln claims benefit of 61/398,796 07/01/2010

Foreign Applications (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see http://www.uspto.gov for more information.)

If Required, Foreign Filing License Granted: 07/15/2011

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 13/067,878**

Projected Publication Date: 02/09/2012

Non-Publication Request: No

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

Title

Polling-based secure network message notification system and method with performance enhancing features

Preliminary Class

709

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

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

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

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

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

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, http://www.stopfakes.gov. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

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).

OPAP IAP12 OCT 21 2011 PATENT & TRADEMARK OFFICE

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Beisel, Phillip
Application No. 13/067,878
For: Polling Based Secure Network Message Notification System and Method with Performance Enhancing Features
Filing date: July 1, 2011
Attorney docket No.: DE1010 US

COMBINED RESPONSE TO NOTICE OF INCOMPLETE REPLY AND RESPONSE TO NOTIFICATION OF MISSING PARTS AND REQUEST FOR EXTENSION OF TIME TO SUBMIT A LEGIBLE COPY OF THE DECLARATION

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

Refund Ref:
10/31/2011 0030103927

Credit Card Refund Total: $75.00

Master C: XXXXXXXXXXX8666

Adjustment date: 10/31/2011 MTEKLEMI
10/20/2011 EFLORES 00000023 13067878
01 FC:2251 -75.00 OP

Dear Sir:

This paper respond to the Notice of Incomplete Reply dated October 5, 2011. In the notice the Patent Office indicated that it had not received the declaration of the applicant. Upon inquiry by phone, the applicant learned that the Patent Office had received the declaration but the third page was not legible in the version that had been scanned in the system. The Patent Office representative at the receiving office did not have the ability to access the paper copy that was submitted to try to determine if the legibility problem was in part attributed to the scanning operation. The Patent Office Receiving Office would not agree to informally accept a legible copy by mail, facsimile or hand delivery.

The Applicant received the notice that incorrectly indicated that the Declaration had not been received because there were no other forms that could be transmitted to address these circumstances. The Receiving Office further indicated that the applicant was required to seek an extension of time in which to respond to the Notice of Missing Parts.

10/24/2011 EFLORES 00000017 13067878
01 FC:2251 75.00 OP

EXHIBIT C

AKA COPY



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Beisel, Phillip
Application No. 13/067,878
For: Polling Based Secure Network Message Notification System and Method with Performance Enhancing Features
Filing date: July 1, 2011
Attorney docket No.: DE1010 US

COMBINED RESPONSE TO NOTICE OF INCOMPLETE REPLY AND RESPONSE TO NOTIFICATION OF MISSING PARTS AND REQUEST FOR EXTENSION OF TIME TO SUBMIT A LEGIBLE COPY OF THE DECLARATION

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

Dear Sir:

This paper respond to the Notice of Incomplete Reply dated October 5, 2011. In the notice the Patent Office indicated that it had not received the declaration of the applicant. Upon inquiry by phone, the applicant learned that the Patent Office had received the declaration but the third page was not legible in the version that had been scanned in the system. The Patent Office representative at the receiving office did not have the ability to access the paper copy that was submitted to try to determine if the legibility problem was in part attributed to the scanning operation. The Patent Office Receiving Office would not agree to informally accept a legible copy by mail, facsimile or hand delivery.

10/20/2011 EFLORES 00000023 13067878
01 FC:2251 75.00 OP

The Applicant received the notice that incorrectly indicated that the Declaration had not been received because there were no other forms that could be transmitted to address these circumstances. The Receiving Office further indicated that the applicant was required to seek an extension of time in which to respond to the Notice of Missing Parts.

10/20/2011 EFLORES 00000023 13067878
01 FC:2251 -75.00 OP

Refund Ref: 10/20/2011 2288103843

OPAP IAP20 OCT 20 2011 PATENT & TRADEMARK OFFICE

Def + Ref

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Beisel, Phillip
Application No. 13/067,878
For: Polling Based Secure Network Message Notification System and Method with Performance Enhancing Features
Filing date: July 1, 2011
Attorney docket No.: DE1010 US

USPTO RECEIPTS ACCOUNTING DIVISION 2011 OCT 24 PM 3:15

PETITION FOR A REFUND

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

Dear Sir:

The applicant respectfully seeks a refund in the amount of $65.00 that was paid in the above referenced application. As grounds for the request the applicant states as follows:

The applicant submitted a response to a Notice of Missing parts on September 18 which was transmitted with a certificate of mailing. A copy of the submission is attached hereto and identified as exhibit A.

The applicant received a Notice of Incomplete reply dated October 5, 2011 which indicated that the declaration had not been received. A copy of the Notice is attached hereto and identified as Exhibit B.

Upon inquiry by phone, the applicant learned that the Patent Office had received the declaration but the third page in the transmission was not legible in the version that had been scanned in the system. The Patent Office representative at the receiving office did not have the ability to access the paper copy that was submitted to try to determine if the legibility problem

was in part attributed to the scanning operation. The Patent Office Receiving Office would not agree to informally accept a legible copy by mail, facsimile or hand delivery.

The Applicant received the notice that incorrectly indicated that the Declaration had not been received because there were no other forms that could be transmitted to address these circumstances. The Receiving Office further indicated that the applicant was required to seek an extension of time in which to respond to the Notice of Missing Parts.

Accordingly, the applicant submitted a further copy of the declaration of Mr. Phillip Beisel in the above referenced application and requested that the time in which to respond to the Notice of Missing Parts be extended up to an including October 18, 2011. The applicant had previously claimed small entity status. The applicant also submitted a form PTO 2038 that authorized the payment of the fee of $[illegible]5.00 that is associated with this response. The surcharge for responding to the Notice of Missing Parts has been previously paid. Copies of the response is attached and identified as Exhibit 3.

Argument

It is submitted that the Patent Office's communication that it did not receive a copy of the declaration is incorrect. A declaration, which apparently had a page that was not legible in the scanned copy, was timely received by the Patent Office and reflected in the Patent Office's records. While the scanned copy may not be is legible, a copy of the document was retained in counsel's files which, although not ideal, may be read. It is submitted that the problem with the quality of the copy likely lies in the scanning operating of the Patent Office. Further, even if the copy that was submitted was not legible, it is submitted that the proper procedure would be to acknowledge the reception of the document and then seek a better copy of the document rather than report that the filing had not been received and require that the applicant seek an enlargement of time in which to again submit a copy.

Wherefore, the applicant seeks to have its one-month extension fee in the amount of $75.00 refunded and a check be issued to the applicant's attorney in the amount of $ 75.00. It is submitted that no fee is required for this petition.

Respectfully submitted,

October 17, 2011

Andrew C. Aitken
Reg, No. 36,729
Aitken Law Offices
P.O. Box 1810
Wheaton, MD 20915
(301) 537-3299

Certificate of Mailing

I hereby certify that a copy of the foregoing Combined Response to Notice of Incomplete Reply and Response to Notice of Incomplete Reply and Request for Extension was mailed this 17th day of October 2011, postage prepaid to: Commissioner for Patents; United States Patent and Trademark Office , P.O. Box 1450, Alexandria VA 22313-1450.

Andrew C. Aitken

OPAP IAP12
OCT 21 2011
PATENT & TRADEMARK OFFICE

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Application of: Beisel, Phillip
Application No. 13/067,878
For: Polling Based Secure Network Message Notification System and Method with Performance Enhancing Features
Filing date: July 1, 2011
Attorney docket No.: DE1010 US

COMBINED RESPONSE TO NOTICE OF INCOMPLETE REPLY AND RESPONSE TO NOTIFICATION OF MISSING PARTS AND REQUEST FOR EXTENSION OF TIME TO SUBMIT A LEGIBLE COPY OF THE DECLARATION

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

Dear Sir:

This paper respond to the Notice of Incomplete Reply dated October 5, 2011. In the notice the Patent Office indicated that it had not received the declaration of the applicant. Upon inquiry by phone, the applicant learned that the Patent Office had received the declaration but the third page was not legible in the version that had been scanned in the system. The Patent Office representative at the receiving office did not have the ability to access the paper copy that was submitted to try to determine if the legibility problem was in part attributed to the scanning operation. The Patent Office Receiving Office would not agree to informally accept a legible copy by mail, facsimile or hand delivery.

The Applicant received the notice that incorrectly indicated that the Declaration had not been received because there were no other forms that could be transmitted to address these circumstances. The Receiving Office further indicated that the applicant was required to seek an extension of time in which to respond to the Notice of Missing Parts.

10/24/2011 EFLORES 00000017 13067878
01 FC:2251 75.00 OP

Accordingly, the applicant hereby once again submits the declaration of Mr. Phillip Beisel in the above referenced application and request that the time in which to respond to the Notice of Missing Parts be extended up to an including October 18, 2011. The applicant has previously claimed small entity status. A form PTO 2038 is enclosed that authorizes the payment of the fee of $65.00 that is associated with this response. The surcharge for responding to the Notice of Missing Parts has been previously paid. ACA

Thank you for your attention to this matter.

Respectfully submitted,

October 18, 2011

Andrew C. Aitken
Reg, No. 36,729
Aitken Law Offices
P.O. Box 1810
Wheaton, MD 20915
(301) 537-3299

Certificate of Mailing

I hereby certify that a copy of the foregoing Combined Response to Notice of Incomplete Reply and Response to Notice of Incomplete Reply and Request for Extension was mailed this 18th day of October 2011. ACA postage prepaid to: Commissioner for Patents; United States Patent and Trademark Office , P.O. Box 1450, Alexandria VA 22313-1450.

Andrew C. Aitken

Doc Code: Oath
Document Description: Oath or declaration filed

PTO/SB/01 (04-09)
Approved for use through 09/30/2010 OMB 0651-0032
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

OPAP IAP12 OCT 21 2011 PATENT & TRADEMARK OFFICE

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

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

Attorney Docket Number	DE1010
First Named Inventor	Beisel
COMPLETE IF KNOWN	
Application Number	13/067,878
Filing Date	July 1, 2011
Art Unit	
Examiner Name	

I hereby declare that: (1) Each inventor's residence, mailing address, and citizenship are as stated below next to their name; and (2) I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention titled:

Polling Based Secure Network Message Notification System and Method with Performance Enhancing Features

(Title of the Invention)

the application of which

☐ is attached hereto

OR

☑ was filed on (MM/DD/YYYY) 07/01/2011 as United States Application Number or PCT International Application Number 13/067,878 and was amended on (MM/DD/YYYY) NA (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

Authorization To Permit Access To Application by Participating Offices

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

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

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

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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

PTO/SB/01 (04-09)
Approved for use through 09/30/2010. OMB 0651-0032
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION — Utility or Design Patent Application

Claim of Foreign Priority Benefits

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached? YES	NO
			☐	☐	☐
			☐	☐	☐
			☐	☐	☐
			☐	☐	☐

☐ Additional foreign application number(s) are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

PTO/SB/01 (04-09)
Approved for use through 09/30/2010. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION — Utility or Design Patent Application

Direct all correspondence to: ☐	The address associated with Customer Number:		OR ☑ Correspondence address below

Name: Andrew C. Aitken

Address: P.O. Box 1810

City	State	Zip
Wheaton	MD	20915

Country	Telephone	Email
US	(301) 537-3299	acaitken@aitkenlawoffices.com

WARNING:

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available. Petitioner/applicant is advised that documents which form the record of a patent application (such as the PTO/SB/01) are placed into the Privacy Act system of records DEPARTMENT OF COMMERCE, COMMERCE-PAT-7, System name: *Patent Application Files*. Documents not retained in an application file (such as the PTO-2038) are placed into the Privacy Act system of COMMERCE/PAT-TM-10, System name: *Deposit Accounts and Electronic Funds Transfer Profiles*.

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 issued thereon.

NAME OF SOLE OR FIRST INVENTOR:	☐ A petition has been filed for this unsigned inventor
Given Name (first and middle [if any]): PHILIPP W	Family Name or Surname: BEISEL
Inventor's Signature:	Date: 9-14-2011

Residence: City	State	Country	Citizenship
SAN JOSE	CA	USA	USA

Mailing Address: 5853 KILLARNEY CIRCLE

City	State	Zip	Country
SAN JOSE	CA	95138	USA

☐ Additional inventors or a legal representative are being named on the _____ supplemental sheet(s) PTO/SB/02A or 02LR attached hereto

COPY

IFW

PTO/SB/17 (10-08)
Approved for use through 01/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Effective on 12/08/2004.
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL
For FY 2009

Complete if Known	
Application Number	13/067,878
Filing Date	07/01/2011
First Named Inventor	Biessel, Phil
Examiner Name	
Art Unit	
Attorney Docket No.	

OPAP IAP20 OCT 20 2011 PATENT & TRADEMARK OFFICE

☑ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT ($) 65.00

METHOD OF PAYMENT (check all that apply)

☐ Check ☑ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____

☐ Deposit Account Deposit Account Number: _____ Deposit Account Name: _____

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, **except for the filing fee**

☐ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☐ Credit any overpayments

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

FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES Fee ($)	FILING FEES Small Entity Fee ($)	SEARCH FEES Fee ($)	SEARCH FEES Small Entity Fee ($)	EXAMINATION FEES Fee ($)	EXAMINATION FEES Small Entity Fee ($)	Fees Paid ($)
Utility	330	165	540	270	220	110	
Design	220	110	100	50	140	70	
Plant	220	110	330	165	170	85	
Reissue	330	165	540	270	650	325	
Provisional	220	110	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description	Fee ($)	Small Entity Fee ($)
Each claim over 20 (including Reissues)	52	26
Each independent claim over 3 (including Reissues)	220	110
Multiple dependent claims	390	195

Total Claims _____ - 20 or HP = _____ x _____ = _____ Fee Paid ($)

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims _____ - 3 or HP = _____ x _____ = _____ Fee Paid ($)

HP = highest number of independent claims paid for, if greater than 3.

Multiple Dependent Claims: Fee ($) _____ Fee Paid ($) _____

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is $270 ($135 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).

Total Sheets _____ - 100 = _____ Extra Sheets / 50 = _____ Number of each additional 50 or fraction thereof (round up to a whole number) x Fee ($) _____ = Fee Paid ($) _____

4. OTHER FEE(S)

	Fees Paid ($)
Non-English Specification, $130 fee (no small entity discount)	
Other (e.g., late filing surcharge): late filing surcharge, 1.16(f)	65.00

SUBMITTED BY

Signature	[signature]	Registration No. (Attorney/Agent) 36529	Telephone (301) 537-3299
Name (Print/Type)	Andrew C. Aitken		Date [redacted] 9/18/2011

AKA

This collection of information is required by 37 CFR 1.136. 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, 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.

EXHIBIT A

Doc Code: TRAN.LET
Document Description: Transmittal Letter

PTO/SB/21 (07-09)
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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OPAP OCT 20 2011 PATENT & TRADEMARK OFFICE

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission: 8

Application Number	13/067,878
Filing Date	July 1, 2011
First Named Inventor	Beisel, Phillip (Corrected from Biessel)
Art Unit	
Examiner Name	
Attorney Docket Number	

ENCLOSURES (Check all that apply)

- [x] Fee Transmittal Form
  - [x] Fee Attached
- [ ] Amendment/Reply
  - [ ] After Final
  - [ ] Affidavits/declaration(s)
- [ ] Extension of Time Request
- [ ] Express Abandonment Request
- [ ] Information Disclosure Statement
- [ ] Certified Copy of Priority Document(s)
- [x] Reply to Missing Parts/ Incomplete Application
  - [ ] Reply to Missing Parts under 37 CFR 1.52 or 1.53
- [ ] Drawing(s)
- [ ] Licensing-related Papers
- [ ] Petition
- [ ] Petition to Convert to a Provisional Application
- [ ] Power of Attorney, Revocation Change of Correspondence Address
- [ ] Terminal Disclaimer
- [ ] Request for Refund
- [ ] CD, Number of CD(s) _____
  - [ ] Landscape Table on CD
- [ ] After Allowance Communication to TC
- [ ] Appeal Communication to Board of Appeals and Interferences
- [ ] Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
- [ ] Proprietary Information
- [ ] Status Letter
- [x] Other Enclosure(s) (please Identify below):
  REQUEST FOR CORRECTED FILING RECEIPT
  DECLARATION OF BEISEL

Remarks
RE

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name			
Signature			
Printed name	Andrew C. Aitken		
Date	Spetember 17, 2011	Reg. No.	36,729

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature			
Typed or printed name	Andrew C. Aitken	Date	~~September 17, 2011~~ Sept (18) 2011

This collection of information is required by 37 CFR 1.5. 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 and1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, 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.

OPAP IAP20 OCT 20 2011 PATENT & TRADEMARK OFFICE

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Beisel, Phillip
Application No. 13/067,878
For: Polling Based Secure Network Message Notification System and Method with Performance Enhancing Features
Filing date: July 1, 2011
Attorney docket No.: DE1010 US

RESPONSE TO NOTIFICATION OF MISSING PARTS

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

Dear Sir:

In response to the Notification of Missing Parts dated July 18, 2011 the applicant hereby submits the declaration of Mr. Phillip Beisel. The applicant has previously claimed small entity status. A form PTO 2038 is enclosed that authorizes the payment of the fee of $65.00 that is associated with this response.

Thank you for your attention to this matter.

Respectfully submitted,

September 18, 2011

Andrew C. Aitken
Reg, No. 36,729
Aitken Law Offices
P.O. Box 1810
Wheaton, MD 20915
(301) 537-3299

Certificate of Mailing

I hereby certify that a copy of the foregoing Response to Notice of Missing Parts was mailed this 18th day of September 2011, postage prepaid to: Commissioner for Patents; United States Patent and Trademark Office , P.O. Box 1450, Alexandria VA 22313-1450.

Andrew C. Aitken



EXHIBIT B

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
13/067,878	07/01/2011	Phillip Biessel	DE1010US

CONFIRMATION NO. 8104

Andrew C. Aitken
P.O. Box 1810
Wheaton, MD 20902

FORMALITIES LETTER



Date Mailed: 10/05/2011

NOTICE OF INCOMPLETE REPLY (NONPROVISIONAL)

Filing Date Granted

The U.S. Patent and Trademark Office has received your reply on 09/20/2011 to the Notice to File Missing Parts (Notice) mailed 07/18/2011 and it has been entered into the nonprovisional application. The reply, however, does not include the following items required in the Notice. A complete reply must be timely filed to prevent ABANDONMENT of the above-identified application. Replies should be mailed to: Mail Stop Missing Parts, Commissioner for Patents, P.O. Box 1450, Alexandria VA 22313-1450.

Applicant is given **TWO MONTHS** from the date of the Notice to File Missing Parts (Notice) mailed 07/18/2011 within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is missing.
  A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.
  Note: If a petition under 37 CFR 1.47 is being filed, an oath or declaration in compliance with 37 CFR 1.63 signed by all available joint inventors, or if no inventor is available by a party with sufficient proprietary interest, is required.

Replies should be mailed to:

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

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web.
https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html

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

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

/kgebremichael/

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

Doc Code: Oath
Document Description: Oath or declaration filed

PTO/SB/01 (04-09)
Approved for use through 09/30/2010. OMB 0651-0032
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
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OPAP IAP20 OCT 20 2011 PATENT & TRADEMARK OFFICE

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

☐ Declaration Submitted With Initial Filing

OR

☑ Declaration Submitted After Initial Filing (surcharge (37 CFR 1.16(f)) required)

Attorney Docket Number	DE1010
First Named Inventor	Beisel
COMPLETE IF KNOWN	
Application Number	13/067,878
Filing Date	July 1, 2011
Art Unit	
Examiner Name	

I hereby declare that: (1) Each inventor's residence, mailing address, and citizenship are as stated below next to their name; and (2) I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention titled:

Polling Based Secure Network Message Notification System and Method with Performance Enhancing Features

(Title of the Invention)

the application of which

☐ is attached hereto

OR

☑ was filed on (MM/DD/YYYY) 07/01/2011 as United States Application Number or PCT International Application Number 13/067,878 and was amended on (MM/DD/YYYY) NA (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

Authorization To Permit Access To Application by Participating Offices

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

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

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

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS SEND TO: **Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

PTO/SB/01 (04-09)
Approved for use through 09/30/2010. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION — Utility or Design Patent Application

Claim of Foreign Priority Benefits

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached? YES	NO
			☐	☐	☐
			☐	☐	☐
			☐	☐	☐
			☐	☐	☐

☐ Additional foreign application number(s) are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

Best Available Copy

OPAP IAP20 OCT 2 0 2011 PATENT & TRADEMARK OFFICE

DECLARATION — Utility or Design Patent Application

Applicant's correspondence to: ☐ The address associated with Customer Number: ☐

Name
Andrew C. Aitken

Address
PO Box 1810

City	State	Zip
Wheaton	MD	20915

Country	Telephone	Email
US	(301) 537-3299	acaitken@aitkenlawoffices.com

WARNING:

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available. Petitioner/applicant is advised that documents which form the record of a patent application (such as the PTO/SB/01) are placed into the Privacy Act system of records DEPARTMENT OF COMMERCE, COMMERCE-PAT-7, System name: *Patent Application Files*. Documents not retained in an application file (such as the PTO-2038) are placed into the Privacy Act system of records DEPARTMENT OF COMMERCE/PAT-TM-10, System name: *Deposit Accounts and Electronic Funds Transfer Profiles*.

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 are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR:	☐ A petition has been filed for this unsigned inventor
Given Name (first and middle [if any])	Family Name or Surname
PHILIPP W	BETSEL

Inventor's Signature: _____ Date: 7-14-2011

Residence: City	State	Country	Citizenship
SAN JOSE	CA	USA	USA

Mailing Address
5273 KILLARNEY CIRCLE

City	State	Zip	Country
SAN JOSE	CA	95135	US

Additional inventors or a legal representative are being named on the supplemental Additional Inventor(s) sheet PTO/SB/02A or 02LR attached hereto

EXHIBIT C

ACA COPY



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Beisel, Phillip
Application No. 13/067,878
For: Polling Based Secure Network Message Notification System and Method with Performance Enhancing Features
Filing date: July 1, 2011
Attorney docket No.: DE1010 US

COMBINED RESPONSE TO NOTICE OF INCOMPLETE REPLY AND RESPONSE TO NOTIFICATION OF MISSING PARTS AND REQUEST FOR EXTENSION OF TIME TO SUBMIT A LEGIBLE COPY OF THE DECLARATION

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

Dear Sir:

This paper respond to the Notice of Incomplete Reply dated October 5, 2011. In the notice the Patent Office indicated that it had not received the declaration of the applicant. Upon inquiry by phone, the applicant learned that the Patent Office had received the declaration but the third page was not legible in the version that had been scanned in the system. The Patent Office representative at the receiving office did not have the ability to access the paper copy that was submitted to try to determine if the legibility problem was in part attributed to the scanning operation. The Patent Office Receiving Office would not agree to informally accept a legible copy by mail, facsimile or hand delivery.

10/20/2011 EFLORES 00000023 13067878
01 FC:2251 75.00 OP

The Applicant received the notice that incorrectly indicated that the Declaration had not been received because there were no other forms that could be transmitted to address these circumstances. The Receiving Office further indicated that the applicant was required to seek an extension of time in which to respond to the Notice of Missing Parts.

(1)

Accordingly, the applicant hereby once again submits the declaration of Mr. Phillip Beisel in the above referenced application and request that the time in which to respond to the Notice of Missing Parts be extended up to an including October 18, 2011. The applicant has previously claimed small entity status. A form PTO 2038 is enclosed that authorizes the payment of the fee of $~~65~~70.00 that is associated with this response. The surcharge for responding to the Notice of Missing Parts has been previously paid. AKA

Thank you for your attention to this matter.

Respectfully submitted,

October 1~~8~~ 2011

Andrew C. Aitken
Reg, No. 36,729
Aitken Law Offices
P.O. Box 1810
Wheaton, MD 20915
(301) 537-3299

Certificate of Mailing

I hereby certify that a copy of the foregoing Combined Response to Notice of Incomplete Reply and Response to Notice of Incomplete Reply and Request for Extension was mailed this 18th day of October 2011. ACA postage prepaid to: Commissioner for Patents; United States Patent and Trademark Office , P.O. Box 1450, Alexandria VA 22313-1450.

Andrew C. Aitken

Doc Code: Oath
Document Description: Oath or declaration filed

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OPAP
OCT 20 2011
IAP20
PATENT & TRADEMARK OFFICE

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

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

Attorney Docket Number	DE1010
First Named Inventor	Beisel
COMPLETE IF KNOWN	
Application Number	13/067,878
Filing Date	July 1, 2011
Art Unit	
Examiner Name	

I hereby declare that: (1) Each inventor's residence, mailing address, and citizenship are as stated below next to their name; and (2) I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention titled:

Polling Based Secure Network Message Notification System and Method with Performance Enhancing Features

(Title of the Invention)

the application of which

☐ is attached hereto

OR

☑ was filed on (MM/DD/YYYY) 07/01/2011 as United States Application Number or PCT International Application Number 13/067,878 and was amended on (MM/DD/YYYY) NA (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

Authorization To Permit Access To Application by Participating Offices

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

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

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

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

3

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DECLARATION — Utility or Design Patent Application

Claim of Foreign Priority Benefits

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached? YES	NO
			☐	☐	☐
			☐	☐	☐
			☐	☐	☐
			☐	☐	☐

☐ Additional foreign application number(s) are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

(4)

PTO/SB/01 (04-09)
Approved for use through 09/30/2010. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION — Utility or Design Patent Application

Direct all correspondence to: ☐ The address associated with Customer Number: ☐ OR ☑ Correspondence address below

Name: Andrew C. Aitken

Address: P.O. Box 1810

City	State	Zip
Wheaton	MD	20915

Country	Telephone	Email
US	(301) 537-3299	acaitken@aitkenlawoffices.com

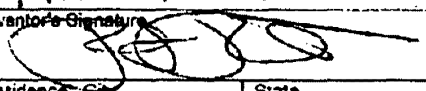
WARNING:

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available. Petitioner/applicant is advised that documents which form the record of a patent application (such as the PTO/SB/01) are placed into the Privacy Act system of records DEPARTMENT OF COMMERCE, COMMERCE-PAT-7, System name: *Patent Application Files*. Documents not retained in an application file (such as the PTO-2038) are placed into the Privacy Act system of COMMERCE/PAT-TM-10, System name: *Deposit Accounts and Electronic Funds Transfer Profiles*.

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 issued thereon.

NAME OF SOLE OR FIRST INVENTOR: ☐ A petition has been filed for this unsigned inventor

Given Name (first and middle [if any])	Family Name or Surname
PHILIPP W	BEISEL

Inventor's Signature:  Date: 9-14-2011

Residence: City	State	Country	Citizenship
SAN JOSE	CA	USA	USA

Mailing Address: 5853 KILLARNEY CIRCLE

City	State	Zip	Country
SAN JOSE	CA	95138	USA

☐ Additional inventors or a legal representative are being named on the _____ supplemental sheet(s) PTO/SB/02A or 02LR attached hereto

(5)

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
13/067,878	07/01/2011	Phillip Biessel	DE1010US

CONFIRMATION NO. 8104

Andrew C. Aitken
P.O. Box 1810
Wheaton, MD 20902

FORMALITIES LETTER

OC000000050206058

Date Mailed: 10/05/2011

NOTICE OF INCOMPLETE REPLY (NONPROVISIONAL)

Filing Date Granted

The U.S. Patent and Trademark Office has received your reply on 09/20/2011 to the Notice to File Missing Parts (Notice) mailed 07/18/2011 and it has been entered into the nonprovisional application. The reply, however, does not include the following items required in the Notice. A complete reply must be timely filed to prevent ABANDONMENT of the above-identified application. Replies should be mailed to: Mail Stop Missing Parts, Commissioner for Patents, P.O. Box 1450, Alexandria VA 22313-1450.

Applicant is given **TWO MONTHS** from the date of the Notice to File Missing Parts (Notice) mailed 07/18/2011 within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is missing.
  A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.
  Note: If a petition under 37 CFR 1.47 is being filed, an oath or declaration in compliance with 37 CFR 1.63 signed by all available joint inventors, or if no inventor is available by a party with sufficient proprietary interest, is required.

Replies should be mailed to:

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

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web.
https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html

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

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

/kgebremichael/

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

PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number: 13/067,878

APPLICATION AS FILED - PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	SMALL ENTITY RATE($)	SMALL ENTITY FEE($)	OR	OTHER THAN SMALL ENTITY RATE($)	OTHER THAN SMALL ENTITY FEE($)
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	190		N/A	
SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A	310		N/A	
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	125		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	16 minus 20 =	*	x 30 =	0.00	OR		
INDEPENDENT CLAIMS (37 CFR 1.16(h))	3 minus 3 =	*	x 125 =	0.00			
APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			0.00			
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				0.00			
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL	625		TOTAL	

APPLICATION AS AMENDED - PART II

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

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

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

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

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

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

OPAP IAP12 SEP 20 2011 PATENT & TRADEMARK OFFICE

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Beisel, Phillip
Application No. 13/067,878
For: Polling Based Secure Network Message Notification System and Method with Performance Enhancing Features
Filing date: July 1, 2011
Attorney docket No.: DE1010 US

RESPONSE TO NOTIFICATION OF MISSING PARTS

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

Dear Sir:

In response to the Notification of Missing Parts dated July 18, 2011 the applicant hereby submits the declaration of Mr. Phillip Beisel. The applicant has previously claimed small entity status. A form PTO 2038 is enclosed that authorizes the payment of the fee of $65.00 that is associated with this response.

Thank you for your attention to this matter.

Respectfully submitted,

September 18, 2011

Andrew C. Aitken
Reg, No. 36,729
Aitken Law Offices
P.O. Box 1810
Wheaton, MD 20915
(301) 537-3299

Certificate of Mailing

09/20/2011 EFLORES 00000065 13067878
01 FC:2051 65.00 OP

I hereby certify that a copy of the foregoing Response to Notice of Missing Parts was mailed this 18th day of September 2011. postage prepaid to: Commissioner for Patents; United States Patent and Trademark Office , P.O. Box 1450, Alexandria VA 22313-1450.

Andrew C. Aitken

OPAP IAP12 SEP 2 0 2011 PATENT & TRADEMARK OFFICE

PTO/SB/17 (10-08)
Approved for use through 01/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995 no persons are required to respond to a collection of information unless it displays a valid OMB control number

Effective on 12/08/2004.
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL
For FY 2009

☑ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT ($) 65.00

Complete if Known	
Application Number	13/067,878
Filing Date	07/01/2011
First Named Inventor	Biessel, Phil
Examiner Name	
Art Unit	
Attorney Docket No.	

METHOD OF PAYMENT (check all that apply)

☐ Check ☑ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____

☐ Deposit Account Deposit Account Number: _____ Deposit Account Name: _____

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, **except for the filing fee**

☐ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☐ Credit any overpayments

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

FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

	FILING FEES		SEARCH FEES		EXAMINATION FEES		
		Small Entity		Small Entity		Small Entity	
Application Type	Fee ($)	Fee ($)	Fee ($)	Fee ($)	Fee ($)	Fee ($)	Fees Paid ($)
Utility	330	165	540	270	220	110	
Design	220	110	100	50	140	70	
Plant	220	110	330	165	170	85	
Reissue	330	165	540	270	650	325	
Provisional	220	110	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description	Fee ($)	Small Entity Fee ($)
Each claim over 20 (including Reissues)	52	26
Each independent claim over 3 (including Reissues)	220	110
Multiple dependent claims	390	195

Total Claims	Extra Claims	Fee ($)	Fee Paid ($)
_____ - 20 or HP =	_____ x	_____ =	_____

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims	Extra Claims	Fee ($)	Fee Paid ($)
_____ - 3 or HP =	_____ x	_____ =	_____

HP = highest number of independent claims paid for, if greater than 3.

Multiple Dependent Claims	
Fee ($)	Fee Paid ($)
_____	_____

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is $270 ($135 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).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee ($)	Fee Paid ($)
_____ - 100 =	_____ / 50 =	_____ (round up to a whole number) x	_____ =	_____

4. OTHER FEE(S)

	Fees Paid ($)
Non-English Specification, $130 fee (no small entity discount)	
Other (e.g., late filing surcharge): late filing surcharge, 1.16(f)	65.00

SUBMITTED BY

Signature	[signature]	Registration No. (Attorney/Agent) 36529	Telephone (301) 537-3299
Name (Print/Type)	Andrew C. Aitken		Date [redacted] 9/18/2011

AKA

This collection of information is required by 37 CFR 1.136. 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, 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.

OPAP IAP12 SEP 20 2011 PATENT & TRADEMARK OFFICE

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Beisel, Phillip
Application No. 13/067,878
For: Polling Based Secure Network Message Notification System and Method with Performance Enhancing Features
Filing date: July 1, 2011
Attorney docket No.: DE1010 US

REQUEST FOR CORRECTED FILING RECEIPT

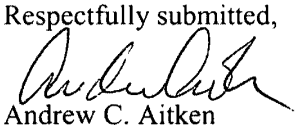
Commissioner for Patents
United States Patent and Trademark Office
P.O. Box 1450
Alexandria VA 22313-1450

Dear Sir:

The applicant respectfully requests that the inventor name in the be corrected to reflect the following: Phillip Beisel.

Thank you for your attention to this matter.

Respectfully submitted,



September 17, 2011

Andrew C. Aitken
Reg, No. 36,729
Aitken Law Offices
P.O. Box 1810
Wheaton, MD 20915
(301) 537-3299

Certificate of Mailing

I hereby certify that a copy of the foregoing Request was mailed this 18th day of September 2011, postage prepaid to: Commissioner for Patents; United States Patent and Trademark Office , P.O. Box 1450, Alexandria VA 22313-1450.



Andrew C. Aitken

Doc Code: TRAN.LET

Document Description: Transmittal Letter

OPA IAP12 SEP 20 2011 PATENT & TRADEMARK OFFICE

PTO/SB/21 (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 displays a valid OMB control number.

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number	13/067,878
Filing Date	July 1, 2011
First Named Inventor	Beisel, Phillip (Corrected from Biessel)
Art Unit	
Examiner Name	
Total Number of Pages in This Submission	8
Attorney Docket Number	DE1010US

ENCLOSURES *(Check all that apply)*

- [x] Fee Transmittal Form
  - [x] Fee Attached
- [ ] Amendment/Reply
  - [ ] After Final
  - [ ] Affidavits/declaration(s)
- [ ] Extension of Time Request
- [ ] Express Abandonment Request
- [ ] Information Disclosure Statement
- [ ] Certified Copy of Priority Document(s)
- [x] Reply to Missing Parts/ Incomplete Application
  - [ ] Reply to Missing Parts under 37 CFR 1.52 or 1.53
- [ ] Drawing(s)
- [ ] Licensing-related Papers
- [ ] Petition
- [ ] Petition to Convert to a Provisional Application
- [ ] Power of Attorney, Revocation Change of Correspondence Address
- [ ] Terminal Disclaimer
- [ ] Request for Refund
- [ ] CD, Number of CD(s) _____
  - [ ] Landscape Table on CD
- [ ] After Allowance Communication to TC
- [ ] Appeal Communication to Board of Appeals and Interferences
- [ ] Appeal Communication to TC **(Appeal Notice, Brief, Reply Brief)**
- [ ] Proprietary Information
- [ ] Status Letter
- [x] Other Enclosure(s) (please Identify below):
  REQUEST FOR CORRECTED FILING RECEIPT
  [X] DECLARATION OF BEISEL

Remarks

RE

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name			
Signature	Andrew Aitken		
Printed name	Andrew C. Aitken		
Date	Septemper 17, 2011	Reg. No.	36,729

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature	Andrew Aitken		
Typed or printed name	Andrew C. Aitken	Date	~~September 17, 2011~~ Sept (18) 2011

This collection of information is required by 37 CFR 1.5. 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 and1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

Doc Code: Oath
Document Description: Oath or declaration filed

PTO/SB/01 (04-09)
Approved for use through 09/30/2010. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

OPAP IAP12 SEP 20 2011 PATENT & TRADEMARK OFFICE

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

☐ Declaration Submitted With Initial Filing

OR

☑ Declaration Submitted After Initial Filing (surcharge (37 CFR 1.16(f)) required)

Attorney Docket Number	DE1010
First Named Inventor	Beisel
COMPLETE IF KNOWN	
Application Number	13/067,878
Filing Date	July 1, 2011
Art Unit	
Examiner Name	

I hereby declare that: (1) Each inventor's residence, mailing address, and citizenship are as stated below next to their name; and (2) I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention titled:

Polling Based Secure Network Message Notification System and Method with Performance Enhancing Features

(Title of the Invention)

the application of which

☐ is attached hereto

OR

☑ was filed on (MM/DD/YYYY) 07/01/2011 as United States Application Number or PCT International Application Number 13/067,878 and was amended on (MM/DD/YYYY) NA (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

Authorization To Permit Access To Application by Participating Offices

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

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

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

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

PTO/SB/01 (04-09)
Approved for use through 09/30/2010. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION — Utility or Design Patent Application

Claim of Foreign Priority Benefits

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached? YES	NO
			☐	☐	☐
			☐	☐	☐
			☐	☐	☐
			☐	☐	☐

☐ Additional foreign application number(s) are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

Best Available Copy

DECLARATION — Utility or Design Patent Application

The address associated with Customer Number

Correspondence to

Name

Steven C. Aitken

P.O. Box 1810

	State	Zip
Clinton	MD	20735

Telephone

(301) 537-3299

Email

saaitken@aitkenlaw.com

WARNING:

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14 for more information on access to patent applications). Petitioner/applicant should also be aware that any papers submitted in this application, including the petition, may be made available to the public.

Petitioner/applicant is advised that documents which form the record of a patent application (such as this form, PTO/SB/81) are intended to be entered in Privacy Act system of records DEPARTMENT OF COMMERCE/PAT-TM-7 Patent Application Files, which is applicable to the records in the Patent Application Information Retrieval (PAIR) system. The system name, *Deposit Accounts and Electronic Funds Transfer Profiles*

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR:

Given Name (first and middle [if any])

Family Name or Surname

Inventor's Signature

Residence: City

State

Country

Mailing Address

City

State

Zip

Country

Additional inventors or a legal representative being named on

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
13/067,878	07/01/2011	Phillip Biessel	DE1010US

CONFIRMATION NO. 8104

Andrew C. Aitken
P.O. Box 1810
Wheaton, MD 20902

FORMALITIES LETTER

OC000000048816284

Date Mailed: 07/18/2011

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

Items Required To Avoid Abandonment:

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

- The oath or declaration is missing.
  A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.
  Note: If a petition under 37 CFR 1.47 is being filed, an oath or declaration in compliance with 37 CFR 1.63 signed by all available joint inventors, or if no inventor is available by a party with sufficient proprietary interest, is required.

The applicant needs to satisfy supplemental fees problems indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- A surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.16(f) of $**65** for a small entity in compliance with 37 CFR 1.27, must be submitted.

SUMMARY OF FEES DUE:

Total fee(s) required within **TWO MONTHS** from the date of this Notice is $**65** for a small entity
- $**65** Surcharge.

Replies should be mailed to:

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

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web.
https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html

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

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

/aabranyos/

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

PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number: 13/067,878

APPLICATION AS FILED - PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	SMALL ENTITY RATE($)	SMALL ENTITY FEE($)	OR	OTHER THAN SMALL ENTITY RATE($)	OTHER THAN SMALL ENTITY FEE($)
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	165		N/A	
SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A	270		N/A	
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	110		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	16 minus 20 =	*	x 26 =	0.00	OR		
INDEPENDENT CLAIMS (37 CFR 1.16(h))	3 minus 3 =	*	x 110 =	0.00			
APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $270 ($135 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			0.00			
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				0.00			
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL	545		TOTAL	

APPLICATION AS AMENDED - PART II

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

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

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

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

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

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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
13/067,878	07/01/2011	2447	545	DE1010US	16	3

CONFIRMATION NO. 8104

Andrew C. Aitken
P.O. Box 1810
Wheaton, MD 20902

FILING RECEIPT

OC000000048816283

Date Mailed: 07/18/2011

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

Applicant(s)

Phillip Biessel, Residence Not Provided;

Power of Attorney: None

Domestic Priority data as claimed by applicant

This appln claims benefit of 61/398,796 07/01/2010

Foreign Applications (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see http://www.uspto.gov for more information.)

If Required, Foreign Filing License Granted: 07/15/2011

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 13/067,878**

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

Non-Publication Request: No

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

Title

Polling-based secure network message notification system and method with performance enhancing features

Preliminary Class

709

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15915 U.S.PTO 070111

PTO/SB/05 (08-08)
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UTILITY PATENT APPLICATION TRANSMITTAL

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

Attorney Docket No.	DE1010US
First Inventor	Biesel, Phillip
Title	TOLL IN-BASED SECURE NETWORK MESSAGE NOTIFICATION SYSTEM AND METHOD WITH PERFORMANCE ENHANCING FEATURES
Express Mail Label No.	

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☑ **Fee Transmittal Form** (e.g., PTO/SB/17)
2. ☑ **Applicant claims small entity status.** See 37 CFR 1.27.
3. ☑ **Specification** [*Total Pages* 30]
   Both the claims and abstract must start on a new page
   (For information on the preferred arrangement, see MPEP 608.01(a))
4. ☑ **Drawing(s)** (*35 U.S.C. 113*) [*Total Sheets* 12]
5. **Oath or Declaration** [*Total Sheets* _____]
   a. ☐ Newly executed (original or copy)
   b. ☐ A copy from a prior application (37 CFR 1.63(d))
   (for continuation/divisional with Box 18 completed)
   i. ☐ DELETION OF INVENTOR(S)
   Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ **Application Data Sheet.** See 37 CFR 1.76
7. ☐ **CD-ROM or CD-R** in duplicate, large table or Computer Program *(Appendix)*
   ☐ Landscape Table on CD
8. **Nucleotide and/or Amino Acid Sequence Submission**
   (if applicable, items a. – c. are required)
   a. ☐ Computer Readable Form (CRF)
   b. Specification Sequence Listing on:
      i. ☐ CD-ROM or CD-R (2 copies); or
      ii. ☐ Paper
   c. ☐ Statements verifying identity of above copies

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ACCOMPANYING APPLICATION PARTS

9. ☐ **Assignment Papers** (cover sheet & document(s))
   Name of Assignee _____
10. ☐ **37 CFR 3.73(b) Statement** *(when there is an assignee)* ☐ **Power of Attorney**
11. ☐ **English Translation Document** *(if applicable)*
12. ☐ **Information Disclosure Statement** (PTO/SB/08 or PTO-1449)
    ☐ Copies of citations attached
13. ☐ **Preliminary Amendment**
14. ☐ **Return Receipt Postcard** (MPEP 503)
    (Should be specifically itemized)
15. ☐ **Certified Copy of Priority Document(s)**
    (if foreign priority is claimed)
16. ☐ **Nonpublication Request** under 35 U.S.C. 122(b)(2)(B)(i).
    Applicant must attach form PTO/SB/35 or equivalent.
17. ☐ Other: _____

18. If a CONTINUING APPLICATION, *check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:*

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: .....

Prior application information: *Examiner* _____ *Art Unit:* _____

19. CORRESPONDENCE ADDRESS

☐ The address associated with Customer Number: _____ *OR* ☑ Correspondence address below

Name	Andrew C. Aitken				
Address	P.O. Box 1810				
City	Wheaton	State	MD	Zip Code	20902
Country	US	Telephone	(301) 537-3299	Email	acaitken@aitkenlawofficers.com

Signature	Andrew Aitken	Date	July 1, 2011
Name (Print/Type)	Andrew C. Aitken	Registration No. (Attorney/Agent)	36,729

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Effective on 12/08/2004.
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL
For FY 2009

☑ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT ($) 545.00

Complete if Known	
Application Number	
Filing Date	July 1, 2011
First Named Inventor	Beisel, Phillip
Examiner Name	
Art Unit	
Attorney Docket No.	DE1010US

METHOD OF PAYMENT (check all that apply)

☐ Check ☑ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____

☐ Deposit Account Deposit Account Number: _____ Deposit Account Name: _____

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

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FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES Fee ($)	FILING FEES Small Entity Fee ($)	SEARCH FEES Fee ($)	SEARCH FEES Small Entity Fee ($)	EXAMINATION FEES Fee ($)	EXAMINATION FEES Small Entity Fee ($)	Fees Paid ($)
Utility	330	165	540	270	220	110	545.00
Design	220	110	100	50	140	70	
Plant	220	110	330	165	170	85	
Reissue	330	165	540	270	650	325	
Provisional	220	110	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description	Fee ($)	Small Entity Fee ($)
Each claim over 20 (including Reissues)	52	26
Each independent claim over 3 (including Reissues)	220	110
Multiple dependent claims	390	195

Total Claims _____ - 20 or HP = _____ x _____ = _____ Fee Paid ($)

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims _____ - 3 or HP = _____ x _____ = _____ Fee Paid ($)

HP = highest number of independent claims paid for, if greater than 3.

Multiple Dependent Claims Fee ($) _____ Fee Paid ($) _____

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is $270 ($135 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).

Total Sheets _____ - 100 = _____ / 50 = _____ (round up to a whole number) x _____ Fee ($) = _____ Fee Paid ($)

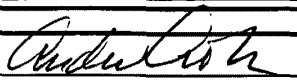
4. OTHER FEE(S)

Fees Paid ($)

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SUBMITTED BY

Signature		Registration No. (Attorney/Agent) 36,729	Telephone (301) 537-3299
Name (Print/Type)	Andrew C. Aitken		Date July 1, 2011

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

Polling-Based Secure Network Message Notification System and Method with Performance Enhancing Features

Inventor: Phillip W. Beisel

San Jose, CA

[0001] This application claims the benefit of U.S. Patent Application No. 61/398,796 filed July 1, 2010.

[0002] The present invention is directed to an improved manner in which to provide alerts or messages to a plurality of clients or workstations from a central server. The improvements are directed to manners in which to improve the performance of legacy systems that use a conventional polling architecture. For example, a legacy system for which the present system provides improvements has been developed by Desktop Alert, Inc. of Washington, DC which uses an IP-Based alert technology that can be integrated with enterprise-class environments. The Desktop Alert system shares communications and commands using standardized protocols such as XML and HTML. It is a multi-media, GIS enabled mass notification platform that is used to deliver messages and media including live surveillance video, images, audio files, giant voice, interactive Flash files and other applications to desktops as well as other devices such as telephones, cell phones, e-mail and mobile devices. The Desktop Alert system allows transmission of such messages to a plurality of clients or communication devices and generally has the following features and capabilities:

[0003]

- A Distributed Architecture for Wide Deployments;
- Silent unattended client application installation to all workstations;
- Enterprise-wide alert publication capability;
- Automatic fail over redundancy;
- Roaming user detection;
- Role assignment not limited to Sign On credentials;
- Priority Alert Functionality;
- Operates behind SSL certificate and can support upwards of 2048 bit message encryption;
- On-the-fly group creation as well as Active Directory group structure integration / adherence;
- Administration, Moderator and end-user controlled access to the interface;
- Embedded web-based html editor for easy yet elegant alert creation using HTML and Custom scripts;
- Built-in Windows client and web interface authentication;
- Audit trails for all published alerts;
- Template creation for re-usage;
- Calendar launch of predefined alerts, alert expiration dates;
- Desktop Alert integrates with existing IVR/PBX telephony systems and existing PA systems;
- Send Alerts to Desktops, e-mails, cell phones and telephones, all with one command
- Unlimited number of end-users on any domain/base;
- Allows for pre-programmed alerts which are sent based upon preexisting scenario triggers sent by existing 3rd party enterprise applications;
- Create, preview and schedule alerts in advance (html enabled);
- See subscribers who are online including the subscribers group identification;
- See subscribers who did or did not receive and read alerts;
- Send alerts that open with "upper most screen" functionality. If a user has multiple applications open, the alert will take the fore screen and stay open until engaged;
- Customizable user interface;
- Leverage comprehensive reporting and unique empirical data;
- Activity is logged and available via a web-based interface;
- Can be used as an e-mail supplement or alternative communication system for when email servers are down;
- Content delivery may be delivered to a select audience or client group;
- Scheduled content delivery at a time the user designates;
- Delete/Cancel scheduled alerts;
- Alerts may be created by the user from pre-defined and customized alert templates for rapid alert publication;
- Flash, Video, Sound may be provided within the alert message by copying the html into the message.

[0004] Alert notification systems are particularly useful in connection with military installations, schools, business and government agencies and other groups that operate on networks and allow the operator or central command and control to timely provide information to a plurality of users or subscribers including critical emergency information or other news alerts. The communication can be directed to predetermined subsets of users that subscribe to the alert notification system.

[0005] Desktop Alert's Enterprise Level Mass Notification Platform provides a unified messaging platform for its message system and includes a feature rich web-based interface for instant mass alert publication to targeted personnel and devices. The alert systems may be a premise-based solution that is hosted by the purchaser of the system behind a firewall. In an alternative embodiment, the system can be provided as a software as a service (SAAS) over the web. Desktop Alert's commercially available system can integrate with directory services such as Active Directory, enterprise applications and appliances via web services. The system can be integrated with existing intelligence and business rules of the client. The architectural topology and sharing technology design is such that disparate systems across multiple networks can easily engage and interact with the Desktop Alert Mass Notification System. This is accomplished through the usage of Web Services Description Language (WSDL).

BRIEF DESCRIPTION OF THE DRAWINGS

[0006] Fig. 1 is a schematic representation of a client in communication with a server in accordance with the invention over a network.

Fig. 2 is a screen shot of a display depicting the test client throughput data before the improvements have been applied to the invention.

Fig. 3 is a screen shot of a display depicting the processor activity on a prior art system before the improvements have been applied.

Fig. 4 is a screen shot of a display depicting data reflecting the throughput after the improvements according to the invention disclosed herein have been applied to the test system.

Fig. 5 is a screen shot of a display depicting the processor activity on a prior art system after the improvements have been applied.

Fig. 6 is a screen shot of a display depicting the performance of the database activity of the test system.

Fig. 7 is a screen shot of a display depicting the SOAP request from the client.

Fig. 8 is a screen shot of a display depicting the improved Req.aspx call and response messages.

Fig. 9 is a screen shot of a display depicting data from a client test using the improved communications protocol.

Fig. 10 is a screen shot of a display depicting Database Use and performance Before (reads/writes).

Fig. 11 is a screen shot of a display depicting Database Use and performance After (reads/writes).

Fig. 12 is a screen shot of a display depicting SQL Statement use, before the improvements.

Fig. 13 is a screen shot of a display depicting SQL Statement use, after the improvements to the communications protocol have been applied to the test system.

Fig. 14 is a schematic representation of a SOAP message.

DETAILED DESCRIPTION OF THE INVENTION

[0007] The present invention is an improvement to message systems wherein a plurality of clients are in communication with a server through a network that use a polling model, in contrast with systems that use a push model. The basic concept behind polling models is that the client periodically provides queries to the host or server requesting updated messaging information. Polling models are commonly used for checking email and for other applications that require the timely updating of information such as stock prices and weather.

[0008] As depicted in Fig. 1 electronic communication on a web service network often includes a client computer system (hereafter referred to as a "client") requesting access to a network service (e.g., web services) at a server computer system (hereinafter referred to as a "server," "service," or "web service"). Accordingly, the client sends a request to the service for particular access to its system resources over a network, wherein the service replies with a response message providing the desired information. Of course, other messaging patterns between client and service may be available and include simple singleton messages as well as more sophisticated multi-message exchanges like, e.g., notifications, solicit-response, pub-sub patterns, polling, kick-push, queuing, and others. In addition, there may be other procedures needed for accessing the service resources, such as authentication and validation mechanisms.

[0009] The system of the invention therefore includes a client and a server that communicate over a network such as that illustrated in Fig 1. The server is designed to provide a digital notification in the form of instant messages to clients which are users or groups of users having at least one

communication device such as a desktop computer, a wireless computer, a smart phone, or other wireless device having an internet connection. The server, which may be operated over the internet or behind a firewall, can store information relating to the various users that poll the server. The server is also associated with a database which may be as SQL™ , MySQL™, Oracle™ or another industry standard database. The database may also include additional user contact data for groups of users and user selected priority information relating to additional manners in which the user may be contacted.

[0010] An administrator at the sever location may enter new alert messages by data entry through an administrator interface and thereby make them available to the clients at the server. The alert messages will include data reflecting those clients or groups of clients to which the messages are intended to be communicated. In addition to making the message available to the clients that poll the server for alerts, the server may also communicate the alert message though alternative techniques.

[0011] The server may communicate with the client using a local area network, a wide area network, a virtual private network, an asynchronous transfer mode network, a synchronous optical network, a wireless network, a WIFI network, a WiMax network or combinations thereof. The administrator that enters the alert message into the server may be a person, a computer, another digital notification and response system, an analog emergency notification system, a mass notification system, an application programming interface, and combinations thereof. The alert message is a prewritten or prerecorded message stored in the dynamic information database for subsequent use by the administrator

[0012] In an exemplary system using a polling model, in response to a request for message alerts, an alert is transmitted to the client in instant message format that opens a window on the

display panel at the client station. As for scalability, the load placed on a server with each client that is polling every few seconds needs to be taken into consideration. Depending on an application's needs, the frequency of requests could be reduced, or even made dynamic so it polls less frequently if it receives fewer messages and increases the frequency if larger sets of messages are received. Since HTTP GET is used for the method call, the size of the data sent to the method is also restricted. The response to a remote method call has no explicit restrictions on size, but if large amounts of data per request are being passed to or from the server, this messaging architecture may be problematic. While polling architectures have been widely adopted, as the scaling increases, the performance of the system may be adversely affected.

[0013] The following data may be tracked and determined in existing polling based systems: Requests/sec = Number of clients * polling frequency. For example: 83 requests/sec for 5000 clients polling once per minute (1/60). Conversely, the polling frequency can be set by knowing the number of expected clients and the available performance (potential requests/second) of the selected hardware.

[0014] One manner to improve the performance of a network is to reduce the database usage. A database can only achieve so many read/writes in a given time period. By reducing the number of read/writes for any given operation, the potential to perform more of those operations in a given unit of time or to perform additional other operations is increased. In other words, most applications are I/O bound. Because the assumed database use often is not the actual database use, the database use should be repeatedly measured to determine if theorized results are actualized. Another further manner to achieve better performance disclosed herein is achieved by caching data closer to the end point (user).

[0015] In an example, a test client that could simulate *n* user connections was created. More specifically, a set of clients each calling the Desktop Alert web service GetUnreadAlerts call was established. The GetUnreadAlerts is the call initiated by the client to the server and is communicated to the server at the polling frequency. The GetUnreadAlerts is a SOAP call which is discussed further below. Once the test client is put into operation, the code behind the critical GetUnreadAlerts call and the resulting database calls or usage in the conventional polling system, such as the Desktop Alert system may be evaluated.

[0016] In the Desktop Alert system, each call to GetUnreadAlerts results in:

- 1 database db.GetUser call
- 1 db.GetAccount call, and
- 1 db.GetUnreadUserAlerts call.

[0017] The applicant has found that the "db.GetUser" and "db.GetAccount" calls could be cached in the web server process's memory (for a period of time), which avoids unnecessary repeated calls to the database. If no new alerts are entered into the system between same-client GetUnreadAlert calls, nothing has to be done. As a consequence, the logic in GetUnreadAlerts call may be "short-circuited" and improved. To take advantage of this improved call structure, first a database caching class was added to the server as further described below and then implemented caching both the "db.GetUser" and "db.GetAccount" calls. It should be understood that cached database objects are subject to a specific timeout value.

[0018] Next, a global table (in-memory) was added that maps each requesting userId to the last system-wide alertId at the time of the last GetUnreadAlerts call. If the system-wide alertId changes (measured in increments), then and only then, does the db.GetUnreadUserAlerts database call get made for that user. This in effect provides a "short-circuit" or "short-cut" test for each poll request. As the client polls the server it requests the value of the alertID changes.

The client then compares the value of the alertID change with the value stored in its memory. If the value is greater than zero, or if the alertID value has increased since the client last polled the server, the client then requests the unread alerts that are specific to the user. In summary, instead of the client asking if the server has any new alerts for the particular client, the client asks if there are any new alerts in the entire system since the client last called the server. If there exists a new alert message in the system, the server will send a message to the client that there are new alerts and the client will then transmit the GetUnreadAlerts as was performed in the prior art system.

[0019] Since the number of poll requests from the clients vastly outnumbers the number of new alerts that are posted in the server in any given day, this technique saves considerable processing time.

[0020] **Test Configuration**

[0021] Tests were conducted on two machines to compare the new feature to an existing system. A first machine or system, "Machine 1," is established to run the Desktop Alert web application/service + SQL Server. A second machine or system, "Machine 2", is established to run the improved test client.

[0022] The test client is a single application that can run **n** threads against a target server. Each thread does essentially the same task: repeated calls to the Desktop Alert web service GetUnreadAlerts call. The database was configured with 10,000 users (username user1, user2, ... usern), all with the same password. Each test thread randomly chooses among the available users for each call.

[0023] The test client fully engaged the server. At 500 threads the server, with back to back calls, reached its maximum performance. For instance, if 700 threads were applied the server would slow down due to request saturation.

[0024] Shown below in Table 1 is a summary of the results. The results provide data for the following parameters:

Requests/Second: The number of requests per second of a roundtrip request/response to the web service. The higher the better (we are trying to achieve maximum call throughput).

Database Transactions/Second: The database activity in calls per second. The lower the better (we are trying to limit the use of the database).

Limit (row 3) established the limit using Machine 1 and Machine 2. The Limit test (aka HelloWorld Web Service test) makes a simple web service request to the server and receives the string response "Hello World." At 1,260 requests/second, this essentially establishes the upper limit (on this hardware) of the potential throughput.

Existing GetUnreadAlerts: A maximum of **215** calls per second were recorded, resulting in an average of **756** database calls per second.

Improved GetUnreadAlerts: A maximum of **709** requests per second were recorded, resulting in an average of 3 database calls per second. This is an approximate **330%** improvement in request throughput and results in a significant decrease in database use.

Process	Requests/Second	Database Transactions/Second Required
Existing GetUnreadAlerts	215	756
Improved GetUnreadAlerts	709	3
Limit	1260	n/a

Table 1: Summary of Improved performance

[0025] **System Performance In A Prior Art System**

[0026] As illustrated in Fig. 2, screen display 201 depicts a the test client throughput is running 500 threads that repeatedly call the Desktop Alert web service GetUnreadAlerts is evaluated. The data in Fig. 2 reflects approximately 215 requests/second, resulting in 258,665 calls in a 20 minute test period

[0025] Fig. 3 shows the number of database transactions/second before the improvement disclosed herein was implemented. Referring to screen shot 301, since each web service call makes 4 database calls, the average of 756 calls/sec (~215 * 4) is the logical calculated result. The black bar graphs the database usage from test start across a 1 minute 40 second window. Note that the black bar rises steeply and *never falls*; the database remains busy.

[0027] **System Performance After Improvements Implemented**

[0028] Now referring to Fig. 4, the screen depiction 401 of a screen of a test client, running 500 threads that repeatedly call the Desktop Alert web service was analyzed after the protocols according to the invention were implemented and the following data was collected relating to the GetUnreadAlerts. The data depicted in Fig. 4 reflects 709 requests/second, resulting in 852,452 calls in a 20 minute test period.

[0029] Fig. 5 shows a screen shot 501 that reflects the number of database transactions/second after the implementation of the improved protocols. The black bar (transactions/second) rises steeply at first, but as in-memory caching takes over, the bar drops dramatically. In this window of time (1 minute, 40 seconds) the average falls to 13 transactions/second, though over the entire

period of 20 minutes the average falls to approximately 3 transactions/second. Fig. 6 is a screen shot of a display depicting the performance of the database activity of the test system.

[0030] The following section describes how the database is used for the critical GetUnreadAlerts web services calls. As the system starts, all clients tax the database at the extreme, as no database calls are cached in-memory (this use approximates the existing prior art model), but as database calls are cached, database use drops sharply. These cached results eventually expire (using a set timeout), and as they do, the database will be called to refresh the results. For the db.GetUser call a period of 10 minutes +- 1 minute for a cache timeout was selected.

[0031] In addition, when a new alert is entered by a user, a flurry of database activity occurs, resulting in 1 db.GetUnreadUserAlerts call per user. This is because the global alertId is incremented, indicating that each client must go to the database to check if new alerts are available. After this check no calls to db.GetUnreadUserAlerts occur until another new alert is entered.

[0032] **Summary of Results of System Using Enhanced Initial Call Logic**

[0033] As demonstrated by Table 2, the improvements to the system and method greatly improve the polling performance of the previously available Desktop Alert notification system. It is estimated that the present system results in 300% improvement in comparison with the prior art system while at the same time vastly reducing the database use.

Process[i]	Requests/Second	Database Transactions/Second Required
Existing GetUnreadAlerts	215	756
Improved GetUnreadAlerts	709	3
Limit	1260	n/a

Table 2

These changes are server-side only, the client is unaffected.

[0034] **System-wide Performance Implications provided by the Improved System**

[0035] The improvements disclosed above result in significant improvements to the performance of the system. As the example demonstrates, by altering the logic so that the system will seek to obtain new alerts only when the system has created new alerts, the polling frequency may be increased from 215 requests/second to 709 requests/second while dramatically reducing database usage. This improvement allows a installation to drop the polling interval by a factor of 3 without the requirement of any hardware changes. In other words, if the polling interval of a system is at 60 seconds, the present improvement allows the polling interval to be set at 20 seconds without effecting performance. Even if one were to a follow a very conservative approach the present improvement easily allows one to double the polling interval. Consequently, the speed in which messages are communicated to the users is increased.

[0036] Furthermore, since the database use model has changed dramatically, the database is no longer the limiting factor -- it's the potential throughput of the GetUnreadAlerts web services calls. A given box can only manage so many calls a second -- dispatching the call through the web server on the Windows platform to the web service, authenticating the request, and running the code behind GetUnreadAlerts. As discussed above, the maximum achievable call throughput in the test box was 1,260 requests/second – this limit cannot be improved on the existing hardware no matter what changes are made. But this means that more than one front-end web server coupled with a back-end database can dramatically improve overall the performance (or polling interval).

[0037] It follows that if 709 requests/second can be achieved on one box, 2 boxes (with our new found database headroom) can manage 2 x 709 requests/second, and so on. The practical reality

is this: when a box is stressed with a high-frequency polling of GetUnreadAlerts, it becomes rather unusable for other tasks - namely web application calls of the Desktop Alert web application.

[0038] A first contemplated system configuration includes 1 database box, n front-end web service only boxes, 1 web application box. This system includes a single box dedicated to web-service, web-application, and database.

[0038] A second contemplated system depicts n general purpose (web-service + web-application) front-end boxes and 1 dedicated database box. This system requires either WLBS (windows load-balancing service) or a round-robin DNS.

[0039] A third example as contemplates a single web-application front-end, n web-service front-ends, and 1 dedicated database box.

[0040] **Reduction of the Communications Payload**

[0041] As discussed above, altering the logic of the polling model is a first manner in which to increase the performance of a system using an alert notification system by reducing the demands on the database. While the contemplated deployments may allow a dramatic increase the polling frequency and scale (number of clients) of the system, other problems become evident: the amount of network data associated with the GetUnreadAlert SOAP calls starts to rise (and gets noticed). Ultimately, the polling frequency cannot be decreased while at the same time going for scale because the two concepts are opposed.

[0042] SOAP is relatively heavy-weight protocol with an unfortunate amount of overhead. In general, SOAP is an XML-based messaging protocol. It defines a set of rules for structuring messages that can be used for simple one-way messaging but is particularly useful for performing RPC-style (Remote Procedure Call or Remote) request-response dialogues. It is not

tied to any particular transport protocol nor any particular operating system or programming language so theoretically the clients and servers in these dialogues can be running on any platform and written in any language as long as they can formulate and understand SOAP messages. As such SOAP can be used as a building block for developing distributed applications that exploit functionality published as services over an intranet or the internet. SOAP messages must be parsed, interpreted and checked for compliance with security protocols. The overhead associated with an "empty" call (no returned new alerts for GetUnreadAlerts) is larger than the payload by far (and this is the most frequent call). Increasing the polling interval only increases the number of these calls, thereby flooding the network. Fig. 7 shows the request side of the GetUnreadAlerts call, this is 1,672 bytes in length, the "empty" return data is larger (though not appreciably). The optimization, discussed herein, can limit this from 1,672 x 2 per request to about 20 x 2 per request. Referring now to Fig. 14, a SOAP message is schematically represented and includes header 160, operation 165, Queiry Idetifier 170, Query expression 175, and other processing information 180. The Body 185 of the SOAP message includes the Wrapper construct 190, subset of OML content 195 and other payload data 197.

[0043] An additional manner in which to improve performance to a polling based system such as the Desktop Alert system is to change the client-server protocol to use a format other than SOAP for the "triggering" GetUnreadAlerts call. In this alternative model, GetUnreadAlerts call remains intact but is not used for polling, rather a new polling call IsNewAlerts is added. This call passes the userId in a tight HTTP packet (not SOAP) to the web-server, approximately 20 bytes of payload. The result of this call is simply a Boolean value: true or false. If true is returned the client makes the formal (and existing) GetUnreadAlerts calls. IsNewAlerts does not require authentication and therefore can bypass the SOAP security layer. Fig. 7 depicts the client

request data for GetUnreadAlerts from the server using the SOAP protocol. In contrast referring now to Fig. 8 is a screen shot 801 of a display depicting the improved Req.aspx call using the HTTP GET protocol and response messages is depicted which has a smaller communications and data payload.

[0044] Accordingly, a further aspect of the invention is therefore directed to a manner in which to reduce the necessary length of the communication from the client to the servers which results in increased efficiency of the system and a decrease on the load placed on the servers and database thereby improving performance and allowing for an increased number of users or clients that may be maintained by a particular server. While the message is reduced, the security of the system remains intact.

[0045] In an embodiment the message from the client to the server is a SOAP call, which refers to as *Simple Object Access Protocol*, which refers to a protocol for exchanging structured information in the implementation of web services in computer networks. The communication relies on Extensible Markup Language (XML) as its message format, and usually relies on other application layer protocols such as Remote Procedure Call (RPC) and HTTP for message negotiation and transmission. SOAP can form the foundation layer of a web services protocol stack, providing a basic messaging framework upon which web services can be built.

[0046] The key features of RPC are a request-reply protocol, and can exhibit the "ping-pong" behavior typical of such protocols. This exchange is not fundamental to RPC's design, since multiple requests can be outstanding, and the replys can be received in any order. However, some programs will issue a single RPC request, and then block awaiting a reply. RPC operates over UDP or TCP. RPC/UDP is a connection-less, stateless protocol. RPC/TCP is slower, but provides a reliable, stateful connection. RPC encodes its data using the eXternal Data

Representation (XDR) protocol, documented in RFC 1832 standard which standardizes the format of integers, floating point numbers, and strings, and thereby permitting different types of computers to enhance information seamlessly. RPC provides support for authenticating the calling program on one machine to the target subroutine on the other. This authentication can operate in several different modes. During operations, authentication usually takes the form of relaying UNIX user and group IDs to the file server for permission checking.

[0047] A SOAP message can be sent to a web service enabled web site or server with the parameters needed for a data search. The site then can return an XML-formatted message with the resulting data. Because the data is returned in a standardized machine-parseable format, it can be integrated directly into a third-party site. The SOAP architecture consists of several layers of specifications for message format, message exchange patterns (MEP), underlying transport protocol bindings, message processing models, and protocol extensibility. SOAP is the successor of XML-RPC, though it borrows its transport and interaction neutrality and the envelope/header/body from elsewhere.

[0048] As a SOAP call with envelope security, the request and response are "fat" or large in terms of the number of bytes transmitted. As discussed above, in the prior art Desktop Alert system a typical request from the client averages 1,670 bytes of SOAP payload. This payload does not include the HTTP, TCP, or IP header which amounts to another 400 bytes (approximately). The "empty" response from the server, or a response without any substantive content, averages 1,450 bytes of SOAP payload, with 350 bytes of HTTP/TCP header (approximately).

Call	SOAP Payload	HTTP + TCP/IP header	Total

GetUnreadAlerts Request	1,670	400	2,070
GetUnreadAlerts Response	1,450	350	1,800
			3,870

Table 3

[0049] As demonstrated in Table 3 above, a request/response pair that delivers no alerts has a network cost of 3,870 bytes on average. Worse, each side (the request and the response) falls over the Ethernet MTU threshold of 1,500 bytes. Consequently the request, as well as the response, must be transmitted in 2 packets each. Because two packets are required, the transmission introduces the potential for latency/retransmits which is not preferred. In addition, this payload is periodically sent by each client in the subscription network . As an example, if there are 5,000 connected clients in a 24 hour period, polling once per minute, the resulting network traffic is 27.8 GB per day. If the polling frequency is increased, the daily network traffic is commensurately increased.

[0050] Additionally, the SOAP processing of large XML packets is processor intensive. Both the initial parsing by XMLDocument (the core XML component on Windows) and then the SOAP security processing is a heavy lift for the server.

[0051] **The Improved Communications Protocol**

[0052] In response to these issues, the present invention includes a new core polling call that avoids SOAP. Rather, the transmission from the client is a simple HTTP GET request (e.g., http://server.domain.com/Req.aspx?OP=AT&UT=ddd451af) and returns a HTTP response with

a simple XML result. According to the improved system, Req.aspx replaces GetUnreadAlerts as the polling call, but GetUnreadAlerts remains intact. Importantly, the system preserves the GetUnreadAlerts protocol and it can be called as before, ensuring 100% backwards compatibility (existing clients can connect unchanged).

[0053] The improved protocol is simple, employs a lighter payload, and is secure. According to the new system, the client starts with the GetUnreadAlerts SOAP request as has been used in prior art systems. On a protocol 2 enhanced Desktop Alert server, two pieces of additional information are returned from the server in the GetUnreadAlerts call: (1) a protocol number and (2) a temporary user token.

[0054] The protocol number, set to a value of 2, specifies the protocols available between client and server. The value of 2 indicates that protocol level 2 is available and refers to the method disclosed herein. An existing client of course will not test this value and therefore only know to poll through GetUnreadAlerts (which continues to work as before). A new client, seeing this value, can switch to the new protocol.

[0055] The temporary token is a value, temporary in nature, which is used in subsequent Req.aspx calls. The token is established on the server through the initial GetUnreadAlerts call, which is an authenticated SOAP call. The temporary token can become invalid, in which case a result is returned through Req.aspx that indicates the client must call GetUnreadAlerts to get a new token. The purpose of the temporary token is discussed below.

[0056] Next, the client calls Req.aspx with two parameters: OP and UT. Req.aspx is meant to be a general purpose call and may be extended in the future, but for our purposes OP is set to AT (meaning "alert test"). UT is the temporary user token supplied by the GetUnreadAlerts call.

The client will receive a small XML result from Req.aspx. For OP=AT, the possible results are set forth in Table 4 as follows :

Result	Meaning	Action
<r><a>OK:0</r>	Call OK, 0 new alerts	Schedule another call to **Req.aspx** at next poll interval
<r><a>OK:*n*</r> **Where n is a value > 0**	Call OK, n new alerts	Immediately call **GetUnreadAlerts** to gather alerts for display; Schedule another call to **Req.aspx** at next poll interval
<r><a>ERR:1</r>	Call ERROR, temporary token invalid	Immediately call **GetUnreadAlerts** to get a new token (gather any alerts for display) ; Schedule another call to **Req.aspx** at next poll interval with new token

Table 4

[0057] All calls to GetUnreadAlerts can provide a new temporary token and available alerts, the client should always assume this.

[0058] Now referring to Fig. 8, the improved Req.aspx call is light-weight in that it only contains approximately 90 bytes (as shown below at the first two lines beginning with GET/web/reg.aspx....). The response is approximately 185 bytes (as shown in below at the lines beginning with "HTTP/1/1 200 OK... ").

[0059] When compared to the original method, 27.8 GB of network traffic per day, this new protocol is reduced to about 2 GB a day.

[0060] **The Temporary Token Security Method**

[0061] A temporary token value is generated and returned on the call to GetUnreadAlerts which serves as a security device. The caller must assume that the token value can change on every GetUnreadAlerts call, and therefore must acquire the most recent token on each call to GetUnreadAlerts. If the token becomes invalid prior to a GetUnreadAlerts call, where the client is normally polling via Req.aspx, Req.aspx will return a specific error (ERR:1) that indicates that the token is invalid. In this case, the client must simply call GetUnreadAlerts using the protocol according to the prior art SOAP system. The GetUnreadAlerts is an authenticated call and therefore is used to obtain the temporary security token.

[0062] In an embodiment, the token is generated on an initial call to GetUnreadAlerts and remains intact until the server is restarted (the value is kept in memory) or the user is pushed to another front-end server, in the case of a server farm. It is contemplated that the token can be invalidated more frequently, or on some other predetermined or random interval. However, if the token is invalidated, the client must access the server using the GetUnreadAlerts protocol to gather a new token. If the token is frequently altered, the server and system will require more processing as an increased amount of data is exchanged through the network. Generating a new token on each GetUnreadAlerts call is more practical, taking advantage of the call itself and thereby eliminating unnecessary calls.

[0063] The timeout phase must be carefully considered. The db.GetUser call does more than retrieve the user record it also updates the 'LastActivity' column for the online users function. So now the window of precision is not the set polling interval but rather 10 minutes or the set polling interval, whichever is longer. Also, as db.GetUser is now cached in memory (at least for the client GetUnreadAlerts call), a change to the user record will not be seen by the client for a

maximum of 10 minutes. For example, if the user's password is changed in the opt-in model, a client can continue to access the system for a maximum of 10 minutes.

[0064] The db.GetUser call is not cached in general, but rather a db.GetUser_Cached call is provided (and right now used exclusively in the GetUnreadAlerts web services call) that attempts to use the cache (or failing that, retrieve from the database).

[0065] Caching adds some "uncertainty" to data access because the cached version might not be identical to the database version. However, considering its use, implications and advantages in the present system the technique provides an effective solution.

[0066] **Additional Reports**

[0067] Below are some additional reports that further characterize the database use in the before and after scenarios. Table 5 below is expanded to include database reads and writes. Each read or write is an 8K page, the smallest read/write unit for SQL Server. The number of rows in an 8K page varies based on the table definition (number of columns/size of those columns). The Read/writes are 8K blocks, the smallest "unit" SQL Server reads/writes.

Process	Requests/Second	Database Transactions/Second Required	Database Reads	Database Writes
Existing GetUnreadAlerts	215	756	9.047,509	1,752
Improved GetUnreadAlerts	709	3	76,675	7
Limit	1260	n/a	n/a	n/a

TABLE 5

[0068] Fig. 9 is a screen shot 901 of a display depicting a series data requests from a client test using the improved communications protocol using HTTP as described above. Fig. 10 is a screen shot 1010 of a display depicting Database Use and performance Before (reads/writes) . Fig. 11 shows the database use before and after, respectively. In the after scenario as depicted at reference No. 1101, an initial spike 1103 and then two spikes 1105 around the 10 minute and 20 minute marks are depicted. These subsequent spikes occur because the cached data has expired and needs to be refreshed from the database. Fig. 12 reflects the performance analysis of the SQL as implemented on the system before the improved communications protocols using HTTP of the invention were implements and Fig. 13 reflects the performance after the improved communications protocol were implemented.

[0069] While there has been shown and described what is considered to be preferred embodiments of the invention, it will, of course, be understood that various modifications and changes in form or detail could readily be made without departing from the spirit of the invention. It is therefore intended that the invention be not limited to the exact forms described and illustrated, but should be constructed to cover all modifications that may fall within the scope of the appended claims.

I claim:

1. An improved method for the dissemination of an alert message to a plurality of personal computers using a network communications protocol, said computers comprising clients, each said clients subscribing to a central server, said server comprising an alert message cache, said server adapted to receive and store alert messages, and said server adapted to generate and store alert ID numbers, said method comprising,

a first step wherein said client contacts the central server and requests the value of said alert ID number in said memory, said value reflecting the number of alert messages received by said central server,

a second step wherein said server transmits said value to said client,

a third step wherein said client compares a stored value at the client with the value of the transmitted alert ID number, and

if said transmitted value exceeds said stored value, a fourth step wherein said client transmits a second message to said server and requests for the server to transmit all unread alert messages in a GetUnreadAlerts request from said server that are specific to said client, and

if there are unread alert messages specific to said client in said server, a fifth step wherein said server sends to client all unread alert messages specific to the client, and,

a further step wherein said client updates the stored value in its memory to reflect the number of additional unread alert messaged transmitted from said server to said client in response to said second message.

2. The method recited in claim 1 wherein said client will contact said server at predetermined polling frequencies.

3. The method recited in claim 1 wherein said communications between said clients and said servers uses a SOAP protocol.

4. The method recited in claim 1 wherein said first communications between said clients and said servers uses a HTTP protocol and said second message from said client requesting unread alerts uses a SOAP protocol. .

5. The method recited in claim 4 wherein said first communications between said clients and said servers uses a HTTP GET protocol and said second message from said client requesting unread alerts uses a SOAP protocol. .

6. The method recited in claim 1 wherein said communication proceeds according to an RCP protocol.

7. The method recited in claim 6 further comprises a RPC/UDP protocol.

8. The method recited in claim 6 further comprises a RPC/TCP protocol.

9. An improved method for the dissemination of alert messages to a plurality of personal computers using a network communications protocols, said computers comprising clients, each said clients subscribing to a central server, said server comprising a memory adapted to receive and store alert messages, and alert ID number numbers and to assign an ID number value to each alert message received by said server, said method comprising,

a first step wherein a client transmits a GetUnreadAlerts SOAP request that includes authentication data,

second step wherein in response to said GetUnreadAlerts SOAP request from said client, said server transmits a protocol number and a temporary user token, wherein in response

request unread alert messages and communicate to said server it intends to communicate with the Conventional SOAP protocol, or in response to receiving protocol number 2, said client may proceed with the improved protocol in claim 1, and wherein said temporary token comprises a value created in response to said first GetUnreadAlerts authenticated SOAP message, and a further step where said temporary token value is transmitted to said server and a further step wherein said server compares said value with the value of the token stored at said server and if the values are equal, the communication will proceed and if the values are not equal and erro message is generated that requires the client to obtain a new token.

10. The method recited in claim 9 wherein said temporary tokens change values each time that a client contacts said server.

11. The method recited in claim 9, wherein said token changes value after a predetermined time period has elapsed.

12. The method of claim 1, wherein said alert message comprises: the date the message was received by said server, a time the message was received by said server, a date the message was sent to said client, a time the message was sent to said client, content of the message and combinations thereof.

13. A system for providing alert messages to a plurality of clients using a polling-based network, said system comprising a plurality of clients, at least one server in communication with said clients using a network connection, said central server provided with input devices to receive alert messages, and a database, said database for storing said alert messages, and said processor having programming instructions to create and store an alert ID value corresponding to alert messages stored in said database, and said clients adapted to communicate with said server using an RCP communications protocol wherein said protocol further comprises a first

communication from said client to said server requesting a Get Alert Messages using a SOAP communications protocol and wherein said client is transmitted an Alert ID message value from said server to said client, and if said Alert ID message value matches a stored message value, the client will further request from said server any alert messages to which it subscribes.

14. The system of claim 13, wherein said server further comprising an application programming interface controls the administrator interface and provides at least one instruction to the administrator interface for creating said alert messages and transmitting said alert messages to the user contact devices.

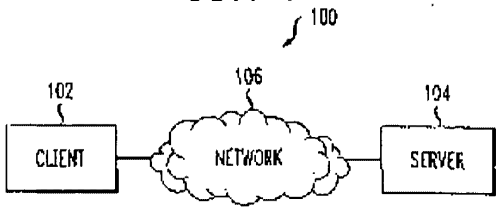
15. The system of claim13, further comprising display devices at said clients and at said server wherein said client displays, display said alter messages.

16. The system of claim 13, wherein said database is an SQL.TM. database, MySQL.TM. database, an Oracle.TM. database, another industry standard database, or combinations thereof.

ABSTRACT

A method for the dissemination of an alert message to a plurality of personal computers using a network communications protocol from a server is disclosed that includes a first step wherein the client contacts the central server and requests the value of said alert ID number in said memory, a second step wherein said server transmits said value to said client, a third step wherein said client compares a stored value at the client with the value of the transmitted alert ID number, and if said transmitted value exceeds said stored value, a fourth step wherein said client transmits a second message to said server and requests for the server to transmit all unread alert messages in a GetUnreadAlerts SOAP request from said server that are specific to said client.

FIG. 1


100
102
106
104
CLIENT
NETWORK
SERVER

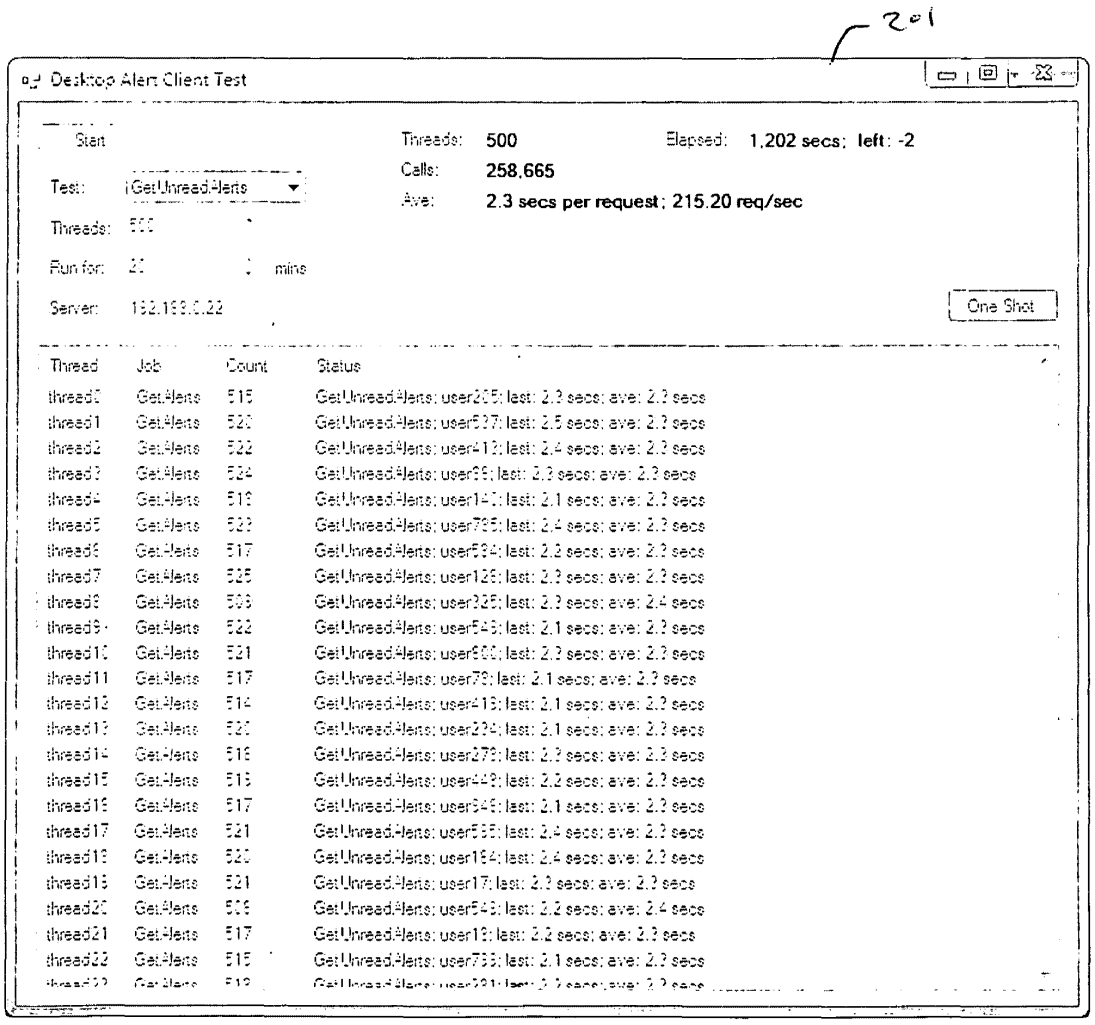

201
Desktop Alert Client Test
Start
Test: GetUnreadAlerts
Threads: 500
Run for: 20 mins
Server: 192.168.0.22
Threads: 500
Elapsed: 1,202 secs; left: -2
Calls: 258,665
Ave: 2.3 secs per request; 215.20 req/sec
One Shot
Thread Job Count Status
thread0 GetAlerts 515 GetUnreadAlerts: user205; last: 2.3 secs; ave: 2.3 secs
thread1 GetAlerts 520 GetUnreadAlerts: user537; last: 2.5 secs; ave: 2.3 secs
thread2 GetAlerts 522 GetUnreadAlerts: user413; last: 2.4 secs; ave: 2.3 secs
thread3 GetAlerts 524 GetUnreadAlerts: user99; last: 2.3 secs; ave: 2.3 secs
thread4 GetAlerts 519 GetUnreadAlerts: user141; last: 2.1 secs; ave: 2.3 secs
thread5 GetAlerts 523 GetUnreadAlerts: user795; last: 2.4 secs; ave: 2.3 secs
thread6 GetAlerts 517 GetUnreadAlerts: user594; last: 2.2 secs; ave: 2.3 secs
thread7 GetAlerts 525 GetUnreadAlerts: user129; last: 2.3 secs; ave: 2.3 secs
thread8 GetAlerts 503 GetUnreadAlerts: user325; last: 2.3 secs; ave: 2.4 secs
thread9 GetAlerts 522 GetUnreadAlerts: user548; last: 2.1 secs; ave: 2.3 secs
thread10 GetAlerts 521 GetUnreadAlerts: user900; last: 2.3 secs; ave: 2.3 secs
thread11 GetAlerts 517 GetUnreadAlerts: user79; last: 2.1 secs; ave: 2.3 secs
thread12 GetAlerts 514 GetUnreadAlerts: user413; last: 2.1 secs; ave: 2.3 secs
thread13 GetAlerts 520 GetUnreadAlerts: user294; last: 2.1 secs; ave: 2.3 secs
thread14 GetAlerts 516 GetUnreadAlerts: user279; last: 2.3 secs; ave: 2.3 secs
thread15 GetAlerts 515 GetUnreadAlerts: user449; last: 2.2 secs; ave: 2.3 secs
thread16 GetAlerts 517 GetUnreadAlerts: user949; last: 2.1 secs; ave: 2.3 secs
thread17 GetAlerts 521 GetUnreadAlerts: user535; last: 2.4 secs; ave: 2.3 secs
thread18 GetAlerts 520 GetUnreadAlerts: user184; last: 2.4 secs; ave: 2.3 secs
thread19 GetAlerts 521 GetUnreadAlerts: user17; last: 2.3 secs; ave: 2.3 secs
thread20 GetAlerts 509 GetUnreadAlerts: user548; last: 2.2 secs; ave: 2.4 secs
thread21 GetAlerts 517 GetUnreadAlerts: user19; last: 2.2 secs; ave: 2.3 secs
thread22 GetAlerts 515 GetUnreadAlerts: user733; last: 2.1 secs; ave: 2.3 secs

Fig. 2

Best Available Copy

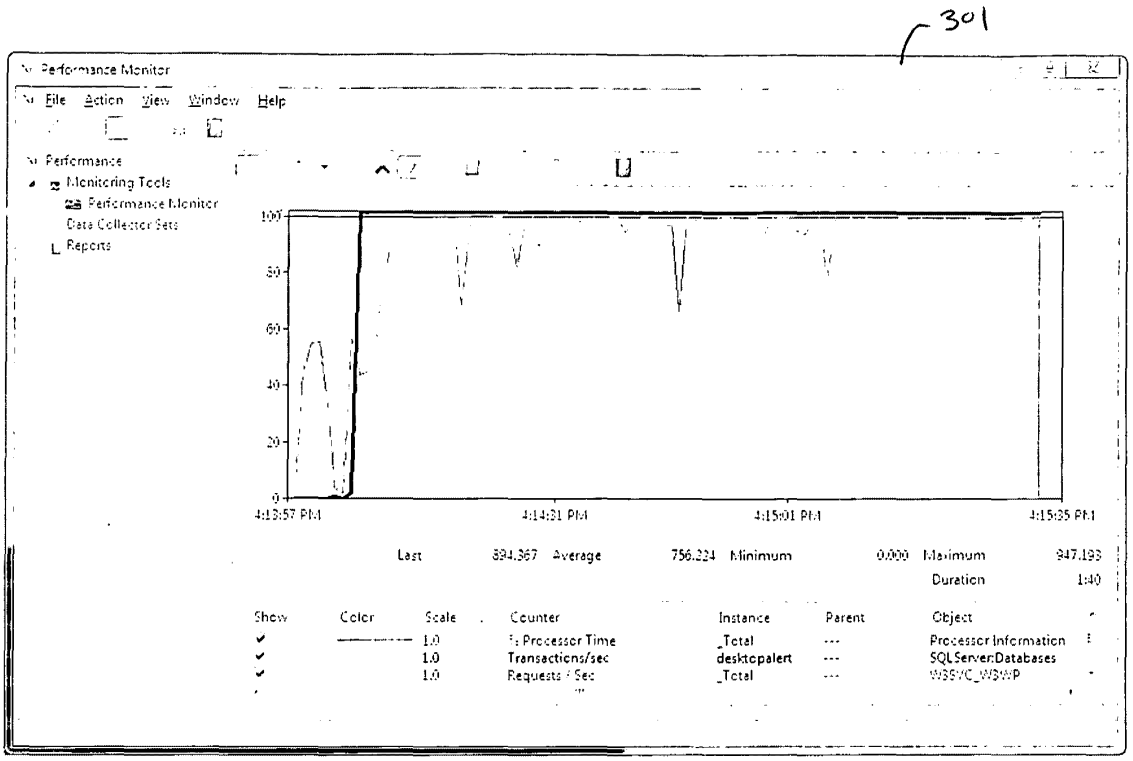


Figure 3: Before: Database transactions/second

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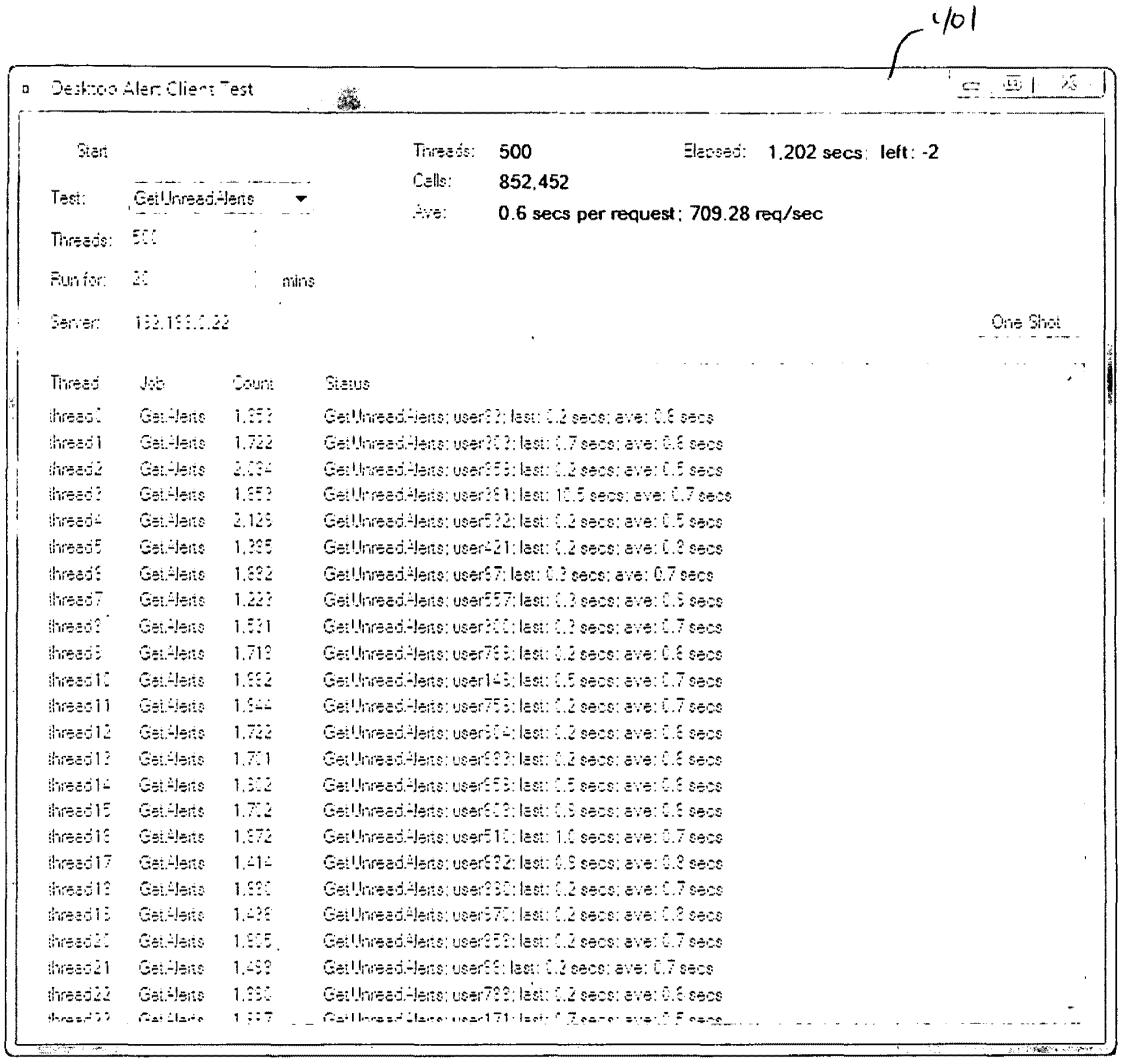


Fig. 4: After: Test Client throughput

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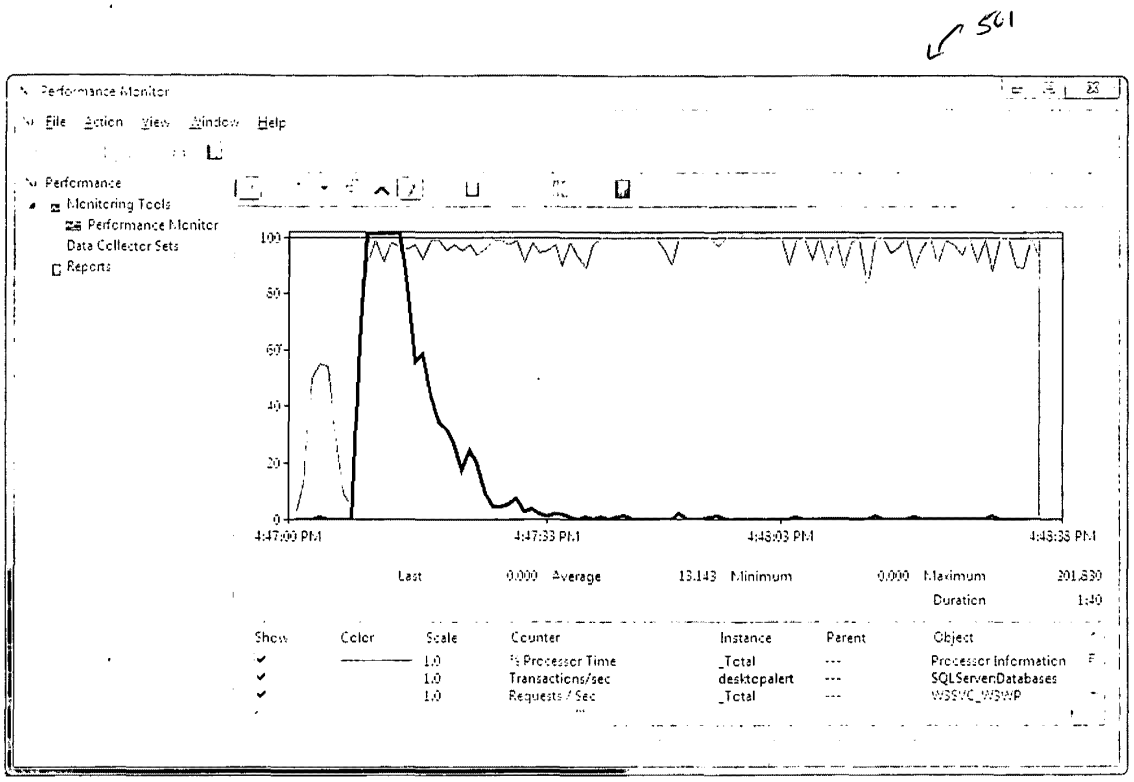


Figure 5: After: Database transactions/second

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601

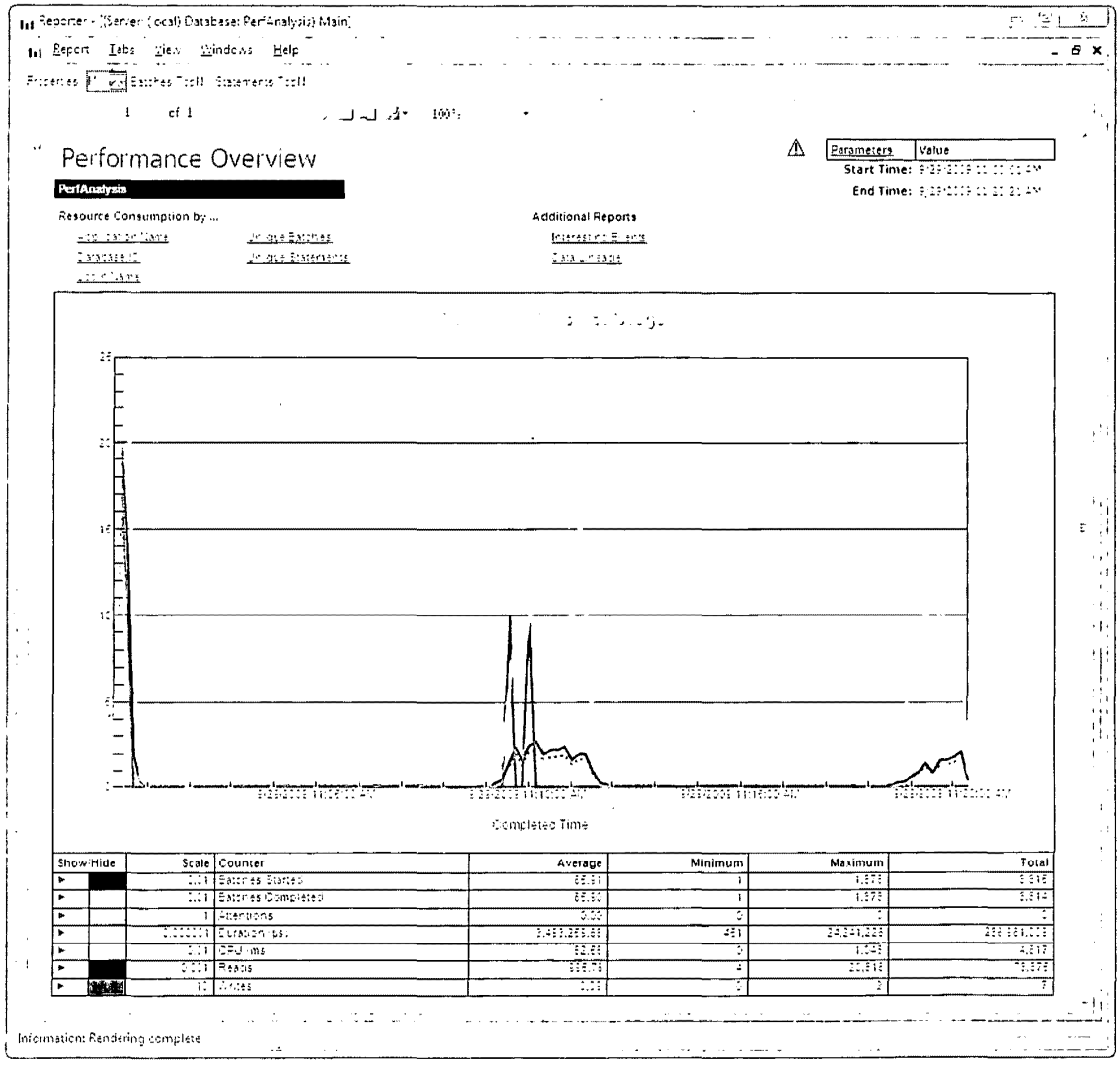


Figure 6: Database Activity (read/writes)

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701

```
<?xml version="1.0" encoding="utf-8" ?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:wsa="http://schemas.xmlsoap.org/ws/2004/08/addressing" xmlns:wsse="http://docs.oasis-
  open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd" xmlns:wsu="http://docs.oasis-
  open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
- <soap:Header>
    <wsa:Action>http://service.desktopalert.net/AlertService.asmx/GetUnreadAlerts</wsa:Action>
    <wsa:MessageID>urn:uuid:2cb954a2-e83a-42ca-98f4-01fedca8b7d2</wsa:MessageID>
  - <wsa:ReplyTo>
      <wsa:Address>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:Address>
    </wsa:ReplyTo>
    <wsa:To>http://192.168.0.22/Web/AlertService.asmx</wsa:To>
  - <wsse:Security soap:mustUnderstand="1">
    - <wsu:Timestamp wsu:Id="Timestamp-d91ed39b-7cfc-4859-a220-7940109fc301">
        <wsu:Created>2009-09-19T22:26:38Z</wsu:Created>
        <wsu:Expires>2009-09-19T22:31:38Z</wsu:Expires>
      </wsu:Timestamp>
    - <wsse:UsernameToken xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-
        utility-1.0.xsd" wsu:Id="SecurityToken-09f8aebb-5c0b-4c35-8ead-5c62b36abbc8">
        <wsse:Username>pbeisel</wsse:Username>
        <wsse:Password Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-token-
          profile-1.0#PasswordDigest">AzQ217nCc0K+md4+R6HXiARzSlU=</wsse:Password>
        <wsse:Nonce>W/wLHhWhDcPPyKWBVX/zew==</wsse:Nonce>
        <wsu:Created>2009-09-19T22:26:38Z</wsu:Created>
      </wsse:UsernameToken>
    </wsse:Security>
  </soap:Header>
- <soap:Body>
    <GetUnreadAlerts xmlns="http://service.desktopalert.net/AlertService.asmx" />
  </soap:Body>
</soap:Envelope>
```

Fig. 7

801

Follow TCP Stream

Stream Content

```
GET /Web/Rec.aspx?OP=AT&UT=ddd4581d HTTP/1.1
Host: 192.168.0.22

HTTP/1.1 200 OK
Cache-Control: private
Transfer-Encoding: chunked
Content-Type: text/html; charset=utf-8
Server: Microsoft-IIS/7.5
X-AspNet-Version: 2.0.50727
X-Powered-By: ASP.NET
Date: Fri, 02 Oct 2009 16:04:46 GMT

12
<r><a>OK:0</a></r>
0
```

Find Save As Print Entire conversation (324 bytes) ASCII EBCDIC Hex Dump C Arrays Raw

Help Close Filter Out This Stream

FIG. 8

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EX-1002



Fig. 9

Best Available Copy

1001

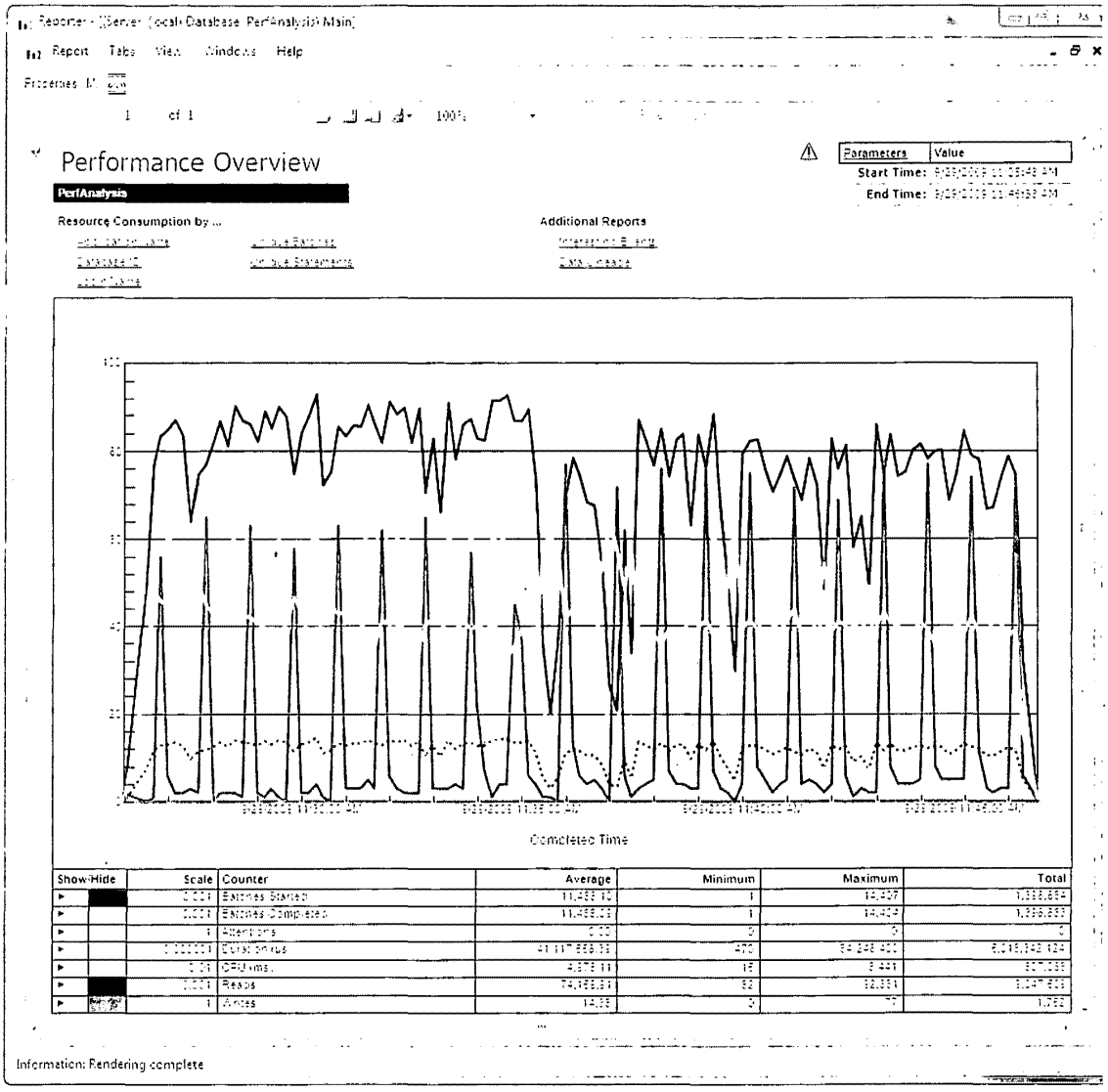


Fig. 10 Database Use Before (reads/writes)

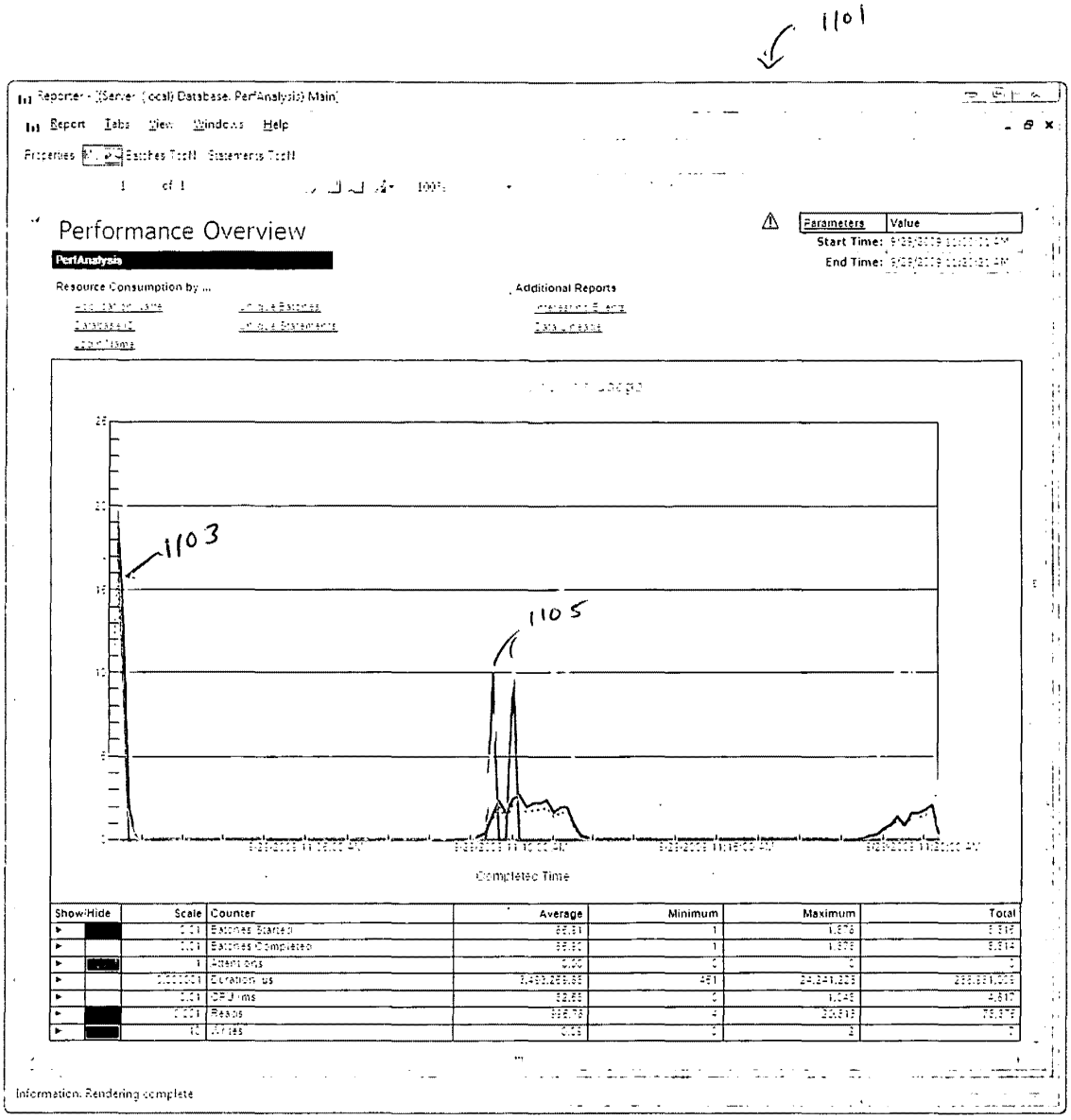


Fig. 11 Database Use After (reads/writes)

Best Available Copy

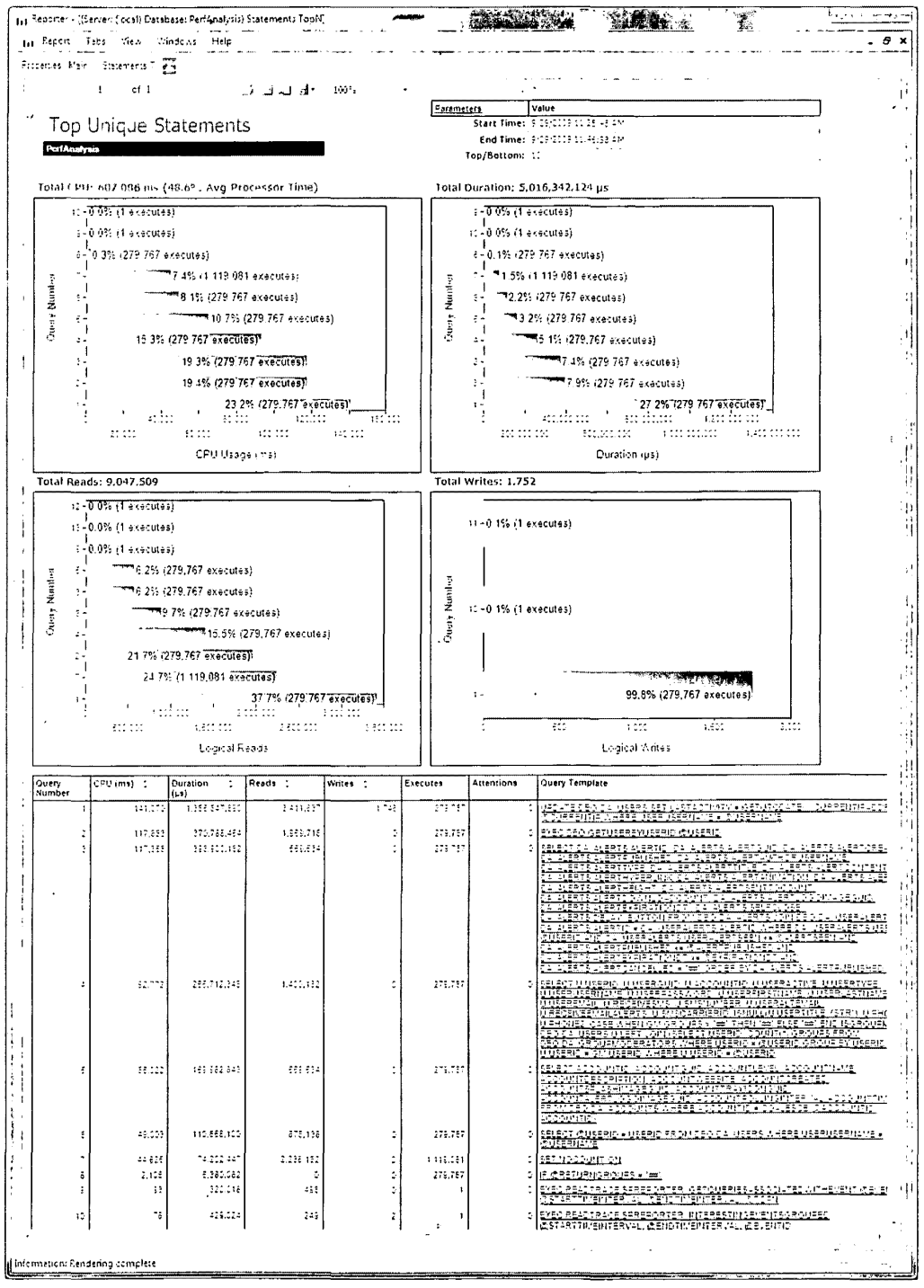


Fig.12 SQL Statement use, before

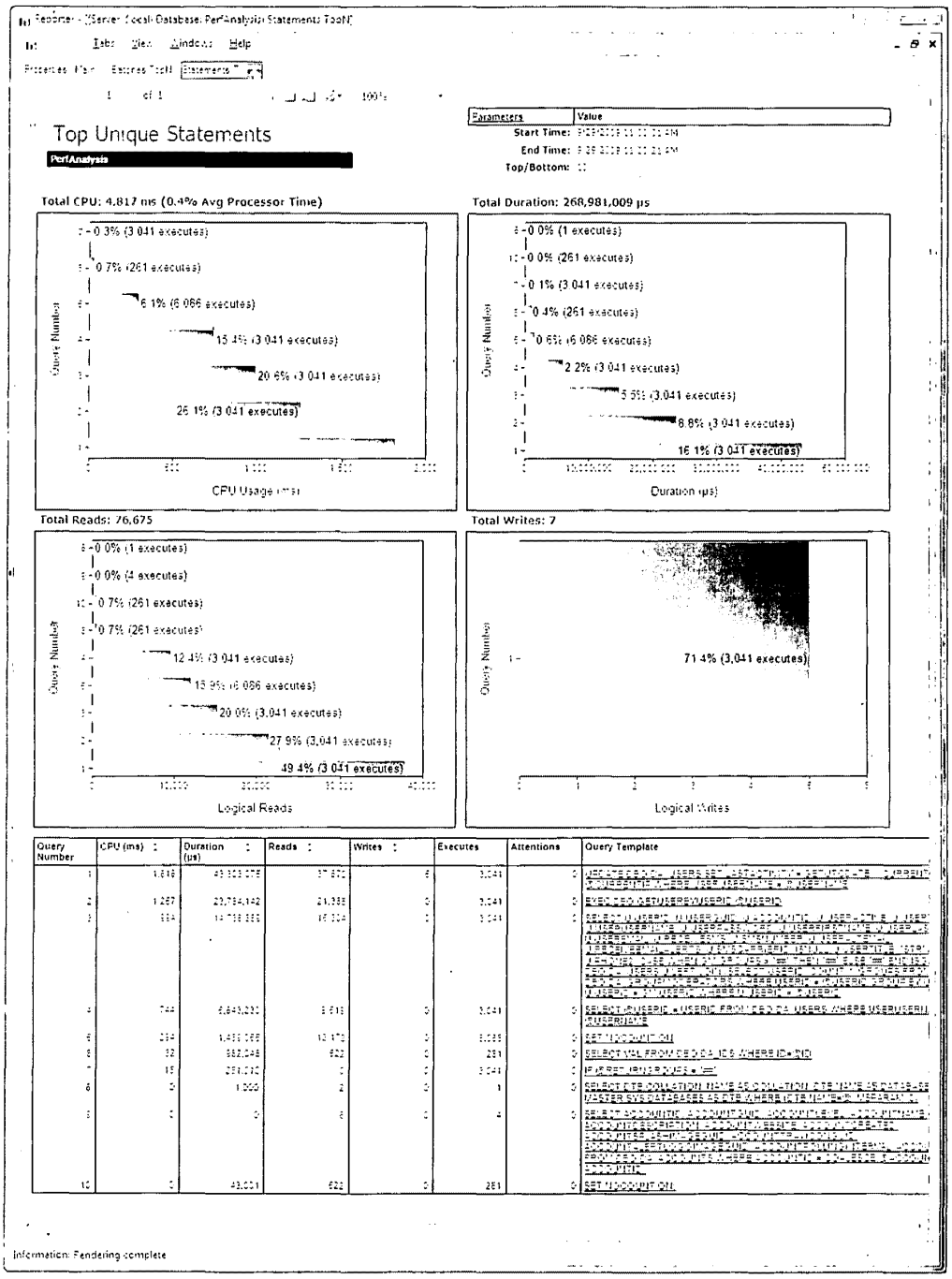


Fig. 13. SQL Statement use, after

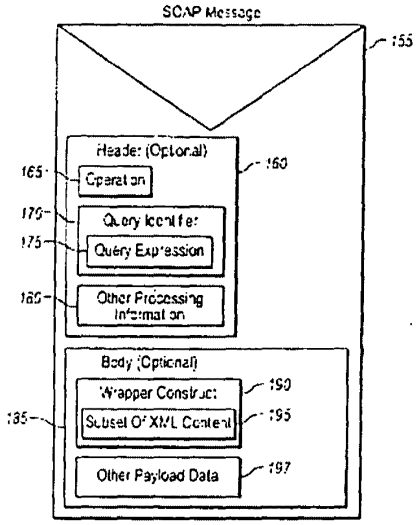

SOAP Message
155
Header (Optional)
160
165
Operation
170
Query Identifier
175
Query Expression
180
Other Processing Information
Body (Optional)
190
Wrapper Construct
185
Subset Of XML Content
195
Other Payload Data
197

FIG 14

SCORE Placeholder Sheet for IFW Content

Application Number: **13067878** Document Date: **07/01/2011**

The presence of this form in the IFW record indicates that the following document type was received in paper and is scanned and stored in the SCORE database.

- Drawings

Images of the original documents are scanned in gray scale or color and stored in SCORE. Bi-tonal images are also stored in IFW. Defects visible in both IFW and SCORE are indicative of defects in the original paper documents.

To access the documents in the SCORE database, refer to instructions developed by SIRA.

At the time of document entry (noted above):

- Examiners may access SCORE content via the eDAN interface.
- Other USPTO employees can bookmark the current SCORE URL (http://es/ScoreAccessWeb/).
- External customers may access SCORE content via the Public and Private PAIR interfaces.

Form Revision Date: December 8, 2006

PATENT APPLICATION SERIAL NO._____

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE
FEE RECORD SHEET

07/05/2011 LNGUYEN1 00000028 13067878

01 FC:2011	165.00 OP
02 FC:2111	270.00 OP
03 FC:2311	110.00 OP

PTO-1556
(5/87)

*U.S. Government Printing Office: 2002- 489-267/69033