DocCode - SCORE

SCORE Placeholder Sheet for IFW Content

Application Number: 18639859 Document Date: 04/18/2024

The presence of this form in the IFW record indicates that the following document type was received in electronic format on the date identified above. This content is stored in the SCORE database.

Since this was an electronic submission, there is no physical artifact folder, no artifact folder is recorded in PALM, and no paper documents or physical media exist. The TIFF images in the IFW record were created from the original documents that are stored in SCORE.

- Drawing

At the time of document entry (noted above):

- USPTO employees may access SCORE content via DAV or via the SCORE web page.
- External customers may access SCORE content via PAIR using the Supplemental Content tab.

Form Revision Date: March 1, 2019

Meta EX1002
Meta v. SitNet
IPR2026-00111

PTO/AIA/14 (01-22)
Approved for use through 05/31/2024. 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.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	000137-0005-126
	Application Number	
Title of Invention	METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK	

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

Secrecy Order 37 CFR 5.2:

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

Inventor Information:

Inventor 1 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	Thomas		Cona	

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

City	Athens	State/Province	GA	Country of Residence	US

Mailing Address of Inventor:

Address 1	700 Riverview Road		
Address 2			
City	Athens	State/Province	GA
Postal Code	30606	Country	US

Inventor 2 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	Patrick	T.	Igoe	

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

City	Philadelphia	State/Province	PA	Country of Residence	US

Mailing Address of Inventor:

Address 1	2032B Arch Street		
Address 2			
City	Philadelphia	State/Province	PA
Postal Code	19103	Country	US

Inventor 3 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	Leonid		Kravets	

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

PTO/AIA/14 (01-22)
Approved for use through 05/31/2024. 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.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	000137-0005-126
	Application Number	
Title of Invention	METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK	

City	Philadelphia	State/Province	PA	Country of Residence	US

Mailing Address of Inventor:

Address 1	2001 Hamilton Avenue		
Address 2			
City	Philadelphia	State/Province	PA
Postal Code	19130	Country	US

Inventor 4 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	Edward	A.	Ehrlacher	

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

City	Philadelphia	State/Province	PA	Country of Residence	US

Mailing Address of Inventor:

Address 1	226 W. Gravers Lane		
Address 2			
City	Philadelphia	State/Province	PA
Postal Code	19118	Country	US

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

Correspondence Information:

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

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

Customer Number	1473		
Email Address	HGPatentDocket@hglaw.com	Add Email	Remove Email

Application Information:

Title of the Invention	METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK		
Attorney Docket Number	000137-0005-126	Small Entity Status Claimed	☐
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)	45	Suggested Figure for Publication (if any)	

PTO/AIA/14 (01-22)
Approved for use through 05/31/2024. 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.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	000137-0005-126
	Application Number	
Title of Invention	METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK	

Filing By Reference:

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

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

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

Publication Information:

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

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

Representative Information:

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

Please Select One:	◉ Customer Number	○ US Patent Practitioner	○ Limited Recognition (37 CFR 11.9)
Customer Number	1473		

Domestic Benefit/National Stage Information:

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

Prior Application Status	Pending		Remove
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)
	Continuation of	17902427	2022-09-02

PTO/AIA/14 (01-22)
Approved for use through 05/31/2024. 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.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	000137-0005-126
	Application Number	
Title of Invention	METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK	

Prior Application Status	Patented			Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
17902427	Continuation of	16730339	2019-12-30	11470682	2022-10-11
Prior Application Status	Patented			Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
16730339	Continuation of	16207059	2018-11-30	10524307	2019-12-31
Prior Application Status	Patented			Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
16207059	Continuation of	16164715	2018-10-18	10375759	2019-08-06
Prior Application Status	Patented			Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
16164715	Continuation of	15638722	2017-06-30	10117290	2018-10-30
Prior Application Status	Patented			Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
15638722	Continuation of	14861340	2015-09-22	9877345	2018-01-23
Prior Application Status	Patented			Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
14861340	Continuation of	13612964	2012-09-13	9143535	2015-09-22
Prior Application Status	Patented			Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
13612964	Continuation of	13274712	2011-10-17	8332454	2012-12-11
Prior Application Status	Patented			Remove	
Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
13274712	Division of	11924711	2007-10-26	8069202	2011-11-29
Prior Application Status	Expired			Remove	
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)		
11924711	Claims benefit of provisional	60887843	2007-02-02		
Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the **Add** button.			Add		

Foreign Priority Information:

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	000137-0005-126
	Application Number	
Title of Invention	METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK	

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

Remove

Application Number	Country[i]	Filing Date (YYYY-MM-DD)	Access Code[i] (if applicable)

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

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

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

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	000137-0005-126
	Application Number	
Title of Invention	METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK	

Authorization or Opt-Out of Authorization to Permit Access:

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

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

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

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

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

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

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

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

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

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

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

PTO/AIA/14 (01-22)
Approved for use through 05/31/2024. 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.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	000137-0005-126
	Application Number	
Title of Invention	METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK	

Applicant Information:

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

Applicant 1 Remove

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

Clear

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

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

Name of the Deceased or Legally Incapacitated Inventor:

If the Applicant is an Organization check here. ☒

Organization Name	SitNet LLC		
Mailing Address Information For Applicant:			
Address 1	8 The Green, Suite B		
Address 2			
City	Dover	**State/Province**	DE
Country	US	Postal Code	19901
Phone Number		Fax Number	
Email Address			

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

Assignee Information including Non-Applicant Assignee Information:

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

PTO/AIA/14 (01-22)
Approved for use through 05/31/2024. 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.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	000137-0005-126
	Application Number	
Title of Invention	METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK	

Assignee 1

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

Remove

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

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

Mailing Address Information For Assignee including Non-Applicant Assignee:

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

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

Signature:

Remove

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

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

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

Signature	/Maxim Rapoport/			Date (YYYY-MM-DD)	2024-04-18
First Name	Maxim	Last Name	Rapoport	Registration Number	67675

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

PTO/AIA/14 (01-22)
Approved for use through 05/31/2024. 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.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	000137-0005-126
	Application Number	
Title of Invention	METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK	

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

Privacy Act Statement

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

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

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

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

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

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

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

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

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

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

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

`Docket No.: 000137-0005-126
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Cona et al.

Application No.: Not Yet Assigned	Confirmation No.: Not Yet Assigned
Filed: Concurrently Herewith	Art Unit: Not Yet Assigned
For: METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK	Examiner: Not Yet Assigned

PRELIMINARY AMENDMENT UNDER 37 C.F.R. 1.115

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

Dear Madam:

INTRODUCTORY COMMENTS

Prior to examination on the merits, please amend the above-identified U.S. patent application as follows:

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

Amendments to the Claims begin on page 3 of this paper.

Remarks/Arguments begin on page 14 of this paper.

AMENDMENTS TO THE SPECIFICATION

Please replace paragraph [0001] with the following amended paragraph:

[0001] This application is a continuation of 17/902,427, filed September 2, 2022, and entitled *Method And System For Using A Situational Network,* which is a continuation of 16/730,339 (now U.S. Patent No. 11,470,682), filed December 30, 2019, and entitled *Method And System For Using A Situational Network,* which is a continuation of 16/207,059 (now U.S. Patent No. 10,524,307), filed November 30, 2018, and entitled *Method And System For Using A Situational Network,* which is a continuation of 16/164,715 (now U.S. Patent No. 10,375,759), filed October 18, 2018, and entitled *Method and System for Using a Situational Network*, which is a continuation of 15/638,722 (now U.S. Patent No. 10,117,290), filed June 30, 2017, and entitled *Method and System for Using a Situational Network*, which is a continuation of 14/861,340 (now U.S. Patent No. 9,877,345), filed September 22, 2015, and entitled *Method and System for Using a Situational Network*, which is a continuation of 13/612,964 (now U.S. Patent No. 9,143,535), filed September 13, 2012, and entitled *Method and System for Using a Situational Network*, which is a continuation of U.S. Patent Application No. 13/274,712 (now U.S. Patent No. 8,332,454), filed October 17, 2011, and entitled *Creating a Projection of a Situational Network,* which is a divisional of U.S. Patent Application No. 11/924,711 (now U.S. Patent No. 8,069,202), filed October 26, 2007, and entitled *Creating a Projection of a Situational Network*, which claims the benefit of U.S. Provisional Patent Application No. 60/887,843, filed February 2, 2007, entitled *Situational Network*. The entire disclosure of each of these applications is incorporated herein by reference.

AMENDMENTS TO CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (Canceled)

2. (New) A method for delivering event information via a network using a networked system, the networked system comprising: at least one networking server configured to maintain data defining a multi-dimensional information network, wherein each respective user node of the multi-dimensional information network is associated with respective user data; a plurality of user devices configured to be connected with the at least one networking server via the network, wherein each of the plurality of user devices of the plurality of user devices is associated with a respective user node; and at least one information node for storing and providing supplemental information via the network;

the method comprising:

maintaining, by the at least one networking server, a database of a plurality of user nodes and multi-dimensional node-to-node links characterizing relationships between the plurality of user nodes via dimensions in the multi-dimensional information network;

providing, by the at least one networking server, to each respective user device associated with a respective user node of the plurality of user nodes a respective composite data feed that is based on a database of multi-dimensional node-to-node links;

establishing, by at least one event node server, an event node associated with an event in a particular geographical area,

wherein the event node is discoverable to each respective user device of a first subset of the plurality of user devices by browsing the respective composite data feed;

joining at least the first subset of the plurality of user devices that have discovered the event node to the event node, wherein user devices associated with a first subset of user nodes of the multi-dimensional information network are joined to a centralized architecture for the event node;

wherein the event node is configured as a central node in the centralized architecture for accessing information associated with the event from at least one location in the multi-dimensional information network;

creating, by the at least one networking server, based on the database of multi-dimensional node-to-node links, a projection of the plurality of user nodes wherein the projection of the plurality of user nodes represents a second subset of user devices, wherein the second subset of user devices is selected based on respective distances of devices of the second subset of user devices from the event;

transmitting, by the at least one networking server, respective requests to connect to the event node to the second subset of user devices, wherein each respective request to connect is in a form of a roll call;

recording respective responses to the respective requests to connect to the event node;

making a subset of the respective responses viewable, via the event node, to a first device, associated with a first node, that is connected to the event node, wherein:

each response of the subset was received from a device associated with a node having a single degree of separation from the first node in the database of multi-dimensional node-to-node links; and

analyzing (a) the database of multi-dimensional node-to-node links, and (b) data of user nodes of the multi-dimensional information network that are joined to the centralized architecture for the event node to:

identify at least one second node included in the database of multi-dimensional node-to-node links that is: (a) not connected to the event node, and (b) connected via at least one dimension to at least one user node of the multi-dimensional information network that is joined to the centralized architecture for the event node; and

delivering information to the at least one second node, wherein the information was received from the at least one information node.

3. (New) The method of claim 2, wherein user devices connected to the event node are enabled to communicate via a message board available by way of the event node.

4. (New) The method of claim 2, wherein identifying the at least one second node comprises identifying nodes associated with user data that indicate an association with the particular geographical area of the event.

5. (New) The method of claim 2, further comprising updating user data associated with user nodes of the multi-dimensional information network that are joined to the centralized architecture for the event node based on joining the centralized architecture for the event node.

6. (New) The method of claim 5, further comprising delivering additional information from the at least one information node to at least one device based on the updated user data.

7. (New) The method of claim 2, wherein the projection represents the second subset of user devices determined to be geographically proximate to the event.

8. (New) The method of claim 7, wherein a particular user device is determined to be geographically proximate to the event based on the user device and the event occurring in the same town.

9. (New) The method of claim 7, wherein a particular user device is determined to be geographically proximate to the event based on GPS data of the particular user device.

10. (New) The method of claim 2, wherein the single degree of separation is indicative of a friend relationship.

11. (New) The method of claim 2, wherein the single degree of separation is indicative of a family relationship.

12. (New) An apparatus for delivering event information via a network using a networked system, the networked system comprising: at least one networking server configured to maintain data

defining a multi-dimensional information network, wherein each respective user node of multi-dimensional information network is associated with respective user data; a plurality of user devices configured to be connected with the at least one networking server via the network, wherein each of the plurality of user devices of the plurality of user devices is associated with a respective user node; and at least one information node for storing and providing supplemental information via the network;

the at least one networking server comprising:

memory configured to maintain a database of a plurality of user nodes and multi-dimensional node-to-node links characterizing relationships between the plurality of user nodes via dimensions in the multi-dimensional information network;

one or more network controllers configured to:

provide to each respective user device associated with a respective user node of the plurality of user nodes a respective composite data feed that is based on a database of multi-dimensional node-to-node links;

one or more central processing units, coupled to the one or more network controllers, configured to:

establish an event node associated with an event in a particular geographical area,

wherein the event node is discoverable to each respective user device of at least a first subset of the plurality of user devices by browsing the respective composite data feed;

join at least the first subset of the plurality of user devices that have discovered the event node to the event node, wherein user devices associated with a first subset of user nodes of the multi-dimensional information network are joined to a centralized architecture for the event node;

wherein the event node is configured as a central node in the centralized architecture for accessing information associated with the event from at least one location in the multi-dimensional information network;

create, based on the database of multi-dimensional node-to-node links, a projection of the plurality of user nodes wherein the projection of the plurality of user nodes

represents a second subset of user devices, wherein the second subset of user devices is selected based on respective distances of devices of the second subset of user devices from the event;

wherein the one or more network controllers are further configured to:

transmit respective requests to connect to the event node to the second subset of user devices, wherein each respective request to connect is in a form of a roll call;

wherein the one or more central processing units are further configured to:

record respective responses to the respective requests to connect to the event node;

make a subset of the respective responses viewable, via the event node, to a first device, associated with a first node, that is connected to the event node, wherein:

each response of the subset was received from a device associated with a node having a single degree of separation from the first node in the database of multi-dimensional node-to-node links; and

analyze (a) the database of multi-dimensional node-to-node links, and (b) data of user nodes of the multi-dimensional information network that are joined to the centralized architecture for the event node to:

identify at least one second node included in the database of multi-dimensional node-to-node links that is: (a) not connected to the event node, and (b) connected via at least one dimension to at least one user node of the multi-dimensional information network that is joined to the centralized architecture for the event node; and

wherein the one or more network controllers are further configured to:

deliver the information to the at least one second node, wherein the information was received from the at least one information node.

13. (New) The apparatus of claim 12, wherein user devices connected to the event node are enabled to communicate via a message board available by way of the event node.

14. (New) The apparatus of claim 12, wherein the one or more central processing units are configured to identify the at least one second node by identifying nodes associated with user data that indicate an association with the particular geographical area of the event.

15. (New) The apparatus of claim 12, wherein the one or more central processing units are further configured to update user data associated with user nodes of the multi-dimensional information network that are joined to the centralized architecture for the event node based on joining the centralized architecture for the event node.

16. (New) The apparatus of claim 15, wherein the one or more network controllers are further configured to deliver additional information from the at least one information node to at least one device based on the updated user data.

17. (New) The apparatus of claim 12, wherein the projection represents the second subset of user devices determined to be geographically proximate to the event.

18. (New) The apparatus of claim 17, wherein the one or more central processing units are further configured to determine that a particular user device is geographically proximate to the event based on the user device and the event occurring in the same town.

19. (New) The apparatus of claim 17, wherein the one or more central processing units are further configured to determine that a particular user device is geographically proximate to the event based on GPS data of the particular user device.

20. (New) The apparatus of claim 12, wherein the single degree of separation is indicative of a friend relationship.

21. (New) The apparatus of claim 12, wherein the single degree of separation is indicative of a family relationship.

22. (New) A method for delivering event information via a network using a networked system, the networked system comprising: at least one networking server configured to maintain data defining a multi-dimensional information network, wherein each respective user node of the multi-dimensional

information network is associated with a respective user data; a plurality of user devices configured to be connected with the at least one networking server via the network, wherein each of the plurality of user devices of the plurality of user devices is associated with a respective user node; and at least one information node for storing and providing event information via the network;

the method comprising:

maintaining, by the at least one networking server, a database of a plurality of user nodes and multi-dimensional node-to-node links characterizing relationships between the plurality of user nodes via dimensions in the multi-dimensional information network;

providing, by the at least one networking server, to each respective user device associated with a respective user node of the plurality of user nodes a respective composite data feed that is based on a database of multi-dimensional node-to-node links;

establishing, by at least one event node server, an event node associated with an event in a particular geographical area,

wherein the event node is discoverable to each respective user device of at least a first subset of the plurality of user devices by browsing the respective composite data feed;

joining at least the first subset of the plurality of user devices that have discovered the event node to the event node, wherein user devices associated with a first subset of user nodes of the multi-dimensional information network are joined to a centralized architecture for the event node;

wherein the event node is configured as a central node in the centralized architecture for accessing information associated with the event from at least one location in the multi-dimensional information network;

creating, by the at least one networking server, based on the database of multi-dimensional node-to-node links, a projection of the plurality of user nodes wherein the projection of the plurality of user nodes represents a second subset of user devices, wherein the second subset of user devices is selected based on respective distances of devices of the second subset of user devices from the event;

transmitting, by the at least one networking server, respective requests to connect to the event node to the second subset of user devices, wherein each respective request to connect is in a form of a roll call;

recording respective interactions to connect to the event node that were based on the respective requests;

making a subset of the respective interactions viewable, via the event node, to a first device, associated with a first node, that is connected to the event node, wherein:

each interaction of the subset was received from a device associated with a node having a single degree of separation from the first node in the database of multi-dimensional node-to-node links; and

analyzing the database of multi-dimensional node-to-node links to:

identify at least one second node included in the database of multi-dimensional node-to-node links, based at on a user data associated with the at least one second node, wherein the at least one second node is: (a) is associated with a respective user device that has not transmitted an interaction to connect to the event node, and (b) connected via at least one dimension of the multi-dimensional information network to the event node; and

delivering event information relevant to the event to the at least one second node, wherein the event information was received from the at least one information node.

23. (New) The method of claim 22, wherein user devices connected to the event node are enabled to communicate via a message board available by way of the event node.

24. (New) The method of claim 22, wherein identifying that the at least one second node is connected via the at least one dimension of the multi-dimensional information network to the event node comprises:

identifying user data associated with the at least one second node indicating an interest in at least one particular topic relevant to the event.

25. (New) The method of claim 22, wherein identifying that the at least one second node is connected via the at least one dimension of the multi-dimensional information network to the event node comprises:

identifying a user data associated with the at least one second node indicating participation in at least one particular activity relevant to the event.

26. (New) The method of claim 22, wherein identifying that the at least one second node is connected via the at least one dimension of the multi-dimensional information network to the event node comprises:

identifying a user data associated with the at least one second node indicating participation travel history to a particular region relevant to the event.

27. (New) An apparatus for delivering event information via a network using a networked system, the networked system comprising: at least one networking server configured to maintain data defining a multi-dimensional information network, wherein each respective user node of the multi-dimensional information network is associated with a respective user data; a plurality of user devices configured to be connected with the at least one networking server via the network, wherein each of the plurality of user devices of the plurality of user devices is associated with a respective user node; and at least one information node for storing and providing the event information via the network;

the at least one networking server comprising:

memory configured to maintain a database of a plurality of user nodes and multi-dimensional node-to-node links characterizing relationships between the plurality of user nodes via dimensions in the multi-dimensional information network;

one or more network controllers configured to:

provide to each respective user device associated with a respective user node of the plurality of user nodes a respective composite data feed that is based on a database of multi-dimensional node-to-node links;

one or more central processing units, coupled to the one or more network controllers, configured to:

establish an event node associated with an event in a particular geographical area,

wherein the event node is discoverable to each respective user device of at least a first subset of the plurality of user devices by browsing the respective composite data feed;

join at least the first subset of the plurality of user devices that have discovered the event node to the event node, wherein user devices associated with a first subset of user nodes of the multi-dimensional information network are joined to a centralized architecture for the event node;

wherein the event node is configured as a central node in the centralized architecture for accessing information associated with the event from at least one location in the multi-dimensional information network;

create, based on the database of multi-dimensional node-to-node links, a projection of the plurality of user nodes wherein the projection of the plurality of user nodes represents a second subset of user devices, wherein the second subset of user devices is selected based on respective distances of devices of the second subset of user devices from the event;

where in the one or more network controllers are further configured to:

transmit, by the at least one networking server, respective requests to connect to the event node to the second subset of user devices, wherein each respective request to connect is in a form of a roll call;

wherein the one or more central processing units are configured to:

record respective interactions to connect to the event node that were based on the respective requests;

make a subset of the respective interactions viewable, via the event node, to a first device, associated with a first node, that is connected to the event node, wherein:

each interaction of the subset was received from a device associated with a node having a single degree of separation from the first node in the database of multi-dimensional node-to-node links; and

analyzing the database of multi-dimensional node-to-node links to:

identify at least one second node included in the database of multi-dimensional node-to-node links, based at on a user data associated with the at least one second node, wherein the at least one second node is: (a) is associated with a respective user device that has not transmitted an interaction to connect to the event node, and (b) connected via at least one dimension of the multi-dimensional information network to the event node; and

where in the one or more network controllers are further configured to:

delivering event information relevant to the event to the at least one second node, wherein the event information was received from the at least one information node.

28. (New) The apparatus of claim 27, wherein user devices connected to the event node are enabled to communicate via a message board available on the event node.

29. (New) The apparatus of claim 27, wherein the one or more central processing units are configured to identify that the at least one second node is connected via the at least one dimension of the multi-dimensional information network to the event node by:

identifying user data associated with the at least one second node indicating an interest in at least one particular topic relevant to the event.

30. (New) The apparatus of claim 27, wherein the one or more central processing units are configured to identify that the at least one second node is connected via the at least one dimension of the multi-dimensional information network to the event node by:

identifying a user data associated with the at least one second node indicating participation in at least one particular activity relevant to the event.

31. (New) The apparatus of claim 27, wherein the one or more central processing units are configured to identify that the at least one second node is connected via the at least one dimension of the multi-dimensional information network to the event node by:

identifying a user data associated with the at least one second node indicating participation travel history to a particular region relevant to the event.

REMARKS

Applicant has amended the specification to update the priority claim. Applicant has cancelled claim 1 and added new claims 2-31. No new matter has been added and the new claims are fully supported by the originally filed application, at least in paragraphs [0055], [0064]-[0065], [0069], [0074], [0078], [0111], [0115], [0117], [0120], [0146], [0159], [0165]-[0168], [0170], and [0179].

An early and favorable action is respectfully requested.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 06-1075.

Dated: April 18, 2024

Respectfully submitted,

By: /Maxim A. Rapoport/
Maxim A. Rapoport
Registration No.: 67,675
HALEY GUILIANO LLP
Customer No. 1473
75 Broad Street, Suite 1000
New York, New York 10004
(646) 973-2500
Attorney for Applicant

UNITED STATES
PATENT AND TRADEMARK OFFICE

P.O. Box 1450
Alexandria, VA 22313 - 1450
www.uspto.gov

ELECTRONIC PAYMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
18/639,859	04/18/2024 08:19:33 PM Z ET	000137-0005-126

Title of Invention

METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	6493	FILED BY	Shari Jackson
PATENT CENTER #	65154965	AUTHORIZED BY	Maxim Rapoport
CUSTOMER #	1473	FILING DATE	-
CORRESPONDENCE ADDRESS	-	FIRST NAMED INVENTOR	Thomas Cona

Payment Information

PAYMENT METHOD	PAYMENT TRANSACTION ID	PAYMENT AUTHORIZED BY
DA / 061075	E20244HK20325215	Shari Jackson

PRE-AUTHORIZED ACCOUNT	PRE-AUTHORIZED CATEGORY
061075	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)

FEE CODE	DESCRIPTION	ITEM PRICE($)	QUANTITY	ITEM TOTAL($)
1830	PROCESSING FEE, EXCEPT IN PROVISIONAL APPLICATIONS	140.00	1	140.00
1617	REQUEST FOR PRIORITIZED EXAMINATION	4200.00	1	4200.00
1111	UTILITY PATENT APPL. SEARCH FEE	700.00	1	700.00
1011	BASIC FILING FEE - UTILITY (PAPER FILING ALSO REQUIRES NON-	320.00	1	320.00

	ELECTRONIC FILING FEE UNDER 1.16(T))			
1311	PATENT APPL. EXAMINATION FEE	800.00	1	800.00
1054	Non-DOC-X Filing Surcharge	400.00	1	400.00
1202	EACH CLAIM IN EXCESS OF 20	100.00	10	1000.00
1201	EACH INDEPENDENT CLAIM IN EXCESS OF THREE	480.00	1	480.00
			TOTAL AMOUNT:	**$8,040.00**

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK

CROSS REFERENCE TO RELATED APPLICATIONS

[0001] This application is a continuation of 14/861,340, filed September 22, 2015, and entitled *Method and System for Using a Situational Network*, which is a continuation of 13/612,964 (now U.S. Patent No. 9,143,535), filed September 13, 2012, and entitled *Method and System for Using a Situational Network*, which is a continuation of U.S. Patent Application No. 13/274,712 (now U.S. Patent No. 8,332,454), filed October 17, 2011, and entitled *Creating a Projection of a Situational Network*, which is a divisional of U.S. Patent Application No. 11/924,711 (now U.S. Patent No. 8,069,202), filed October 26, 2007, and entitled *Creating a Projection of a Situational Network*, which claims the benefit of U.S. Provisional Patent Application No. 60/887,843, filed February 2, 2007, entitled *Situational Network*. The entire disclosure of each of these applications is incorporated herein by reference.

[0002] This application is related to U.S. Patent Application No. 11/566,947, filed December 5, 2006, entitled *Aggregating Personal Information in a Personal Information Aggregator*, the entire disclosure of which is incorporated herein by reference.

[0003] This application is related to U.S. Patent Application No. 11/924,706 (now U.S. Patent No. 7,812,717), filed October 26, 2007, entitled *Situational Network*; U.S. Patent Application No. 11/924,721 (now U.S. Patent No. 8,045,455), filed October 26, 2007, entitled *Location Based Services in a Situational Network*; U.S. Patent Application No. 11/924,727 (now U.S. Patent No. 7,711,475), filed October 26, 2007, entitled *Use of a Situational Network for Navigation and Travel*; U.S. Patent Application No. 11/924,731 (now U.S. Patent No. 8,036,632), filed October 26, 2007, entitled *Access of Information using a Situational Network*; U.S. Patent Application No. 11/924,741, filed October 26, 2007, entitled *Searchable Message Board*; U.S. Patent Application No. 11/924,748 (now U.S. Patent No. 8,249,932), filed October 26, 2007, entitled *Targeted Advertising in a Situational Network*; U.S. Patent Application No. 12/731,413 (now U.S. Patent No. 8,000,893), filed March 25, 2010, entitled *Use of a Situational Network for Navigation and Travel;* U.S. Patent Application No. 13/253,374, filed October 5, 2011, entitled *Access of Information Using a Situational Network;* U.S. Patent Application No.

13/274,687, filed October 17, 2011, entitled *Location Based Services in a Situational Network,*; U.S. Patent Application No. 13/274,696, filed October 17, 2011, entitled *Location Based Services in a Situational Network,* and U.S. Patent Application No. 13/274,734, filed October 17, 2011, entitled *Notifications Using a Situational Network.*

BRIEF DESCRIPTION OF THE DRAWINGS

[0004] The following detailed description will be better understood when read in conjunction with the appended drawings, in which there is shown one or more of the multiple embodiments of the present invention. It should be understood, however, that the various embodiments of the present invention are not limited to the precise arrangements and instrumentalities shown in the drawings.

[0005] In the Drawings:

[0006] Fig. 1 is a network diagram of an embodiment of a Situational Network (SitNet);

[0007] Fig. 2 is a use case diagram for the SitNet of Fig. 1;

[0008] Fig. 3 is a use case diagram for a personal information aggregator (PIA) used in accordance with the SitNet of Fig.1;

[0009] Fig. 4 is a class diagram for the structure of the personal information stored in the PIA used in accordance with the SitNet of Fig.1;

[0010] Fig. 5 is a sequence diagram for the interactions associated with a PIA single-use authorization request to receive data from the PIA used in accordance with the SitNet of Fig 1;

[0011] Fig. 6 is a sequence diagram for the interactions associated with a PIA ongoing-use authorization request to receive data from the PIA used in accordance with the SitNet of Fig 1;

[0012] Fig. 7 is a sequence diagram for the interactions associated with a PIA limited-use authorization request to receive data from the PIA used in accordance with the SitNet of Fig 1;

[0013] Fig. 8 is a sequence diagram for the interactions associated with a user-initiated PIA authorization to provide data from the PIA used in accordance with the SitNet of Fig 1;

[0014] Figs. 9 is an activity diagram for the steps performed by the PIA used in accordance with the SitNet of Fig 1;

[0015] Fig. 10 is a sequence diagram for the interactions associated with user-initiated receiving of data by the PIA used in accordance with the SitNet of Fig 1;

[0016] Fig. 11 is a sequence diagram for the interactions associated with an authorization request to provide data to the PIA used in accordance with the SitNet of Fig 1;

[0017] Fig. 12 is a network diagram of an N-Dimensional Social Network (NDSN) used in accordance with the SitNet of Fig 1;

[0018] Fig. 13 is a use case diagram for the NDSN of Fig. 12;

[0019] Fig. 14 is a sequence diagram for the interactions associated with a user discovering an NDSN used in accordance with the SitNet of Fig 1;

[0020] Fig. 15 is a sequence diagram for the interactions associated with a user connecting to other members of an NDSN used in accordance with the SitNet of Fig 1;

[0021] Fig. 16 is a sequence diagram for the interactions associated with a user inviting a new member to connect to the members of an NDSN used in accordance with the SitNet of Fig 1;

[0022] Fig. 17 is a sequence diagram for the interactions associated with a user disconnecting from other members of an NDSN used in accordance with the SitNet of Fig 1;

[0023] Fig. 18 is an example of nodes of the NDSN of Fig. 12;

[0024] Fig. 19 is an example of a projected NDSN used in accordance with the SitNet of Fig 1;

[0025] Fig. 20 is a sequence diagram for the interactions associated with creating a projection of the NDSN used in accordance with the SitNet of Fig 1;

[0026] Fig. 21 is a sequence diagram for the interactions associated with a user connecting to other members of an NDSN used in accordance with the SitNet of Fig 1;

[0027] Fig. 22 is a block diagram of a computer system for realization of the SitNet of Fig.1;

[0028] Fig. 23 is a block diagram of a computer system through which the implementation of the SitNet of Fig. 1 may be realized;

[0029] Fig. 24 is a user case diagram of an emergency event situational network in accordance with the SitNet of Fig. 1;

[0030] Fig. 25 is an example of a propagation of a notification using a PIA in accordance with the SitNet of Fig. 1;

[0031] Fig. 26 is an example of a method of connecting to a weather-dependent social network in accordance with the SitNet of Fig. 1;

[0032] Fig. 27 is an example of presenting targeted advertisements to different users in accordance with the SitNet of Fig. 1;

[0033] Fig. 28 is a use case diagram in accordance with the SitNet of Fig. 1;

[0034] Fig. 29 is an example of temporally limited links in accordance with the SitNet of Fig. 1;

[0035] Fig. 30 is an example of a geographic projection of nodes in accordance with the SitNet of Fig. 1;

[0036] Fig. 31 is an example of an event relative embodiment of a SitNet;

[0037] Fig. 32 is an example of presenting a roll call to a user in accordance with the SitNet of Fig. 1;

[0038] Fig. 33 is an example of a searchable message board that can be used in accordance with the SitNet of Fig. 1;

[0039] Fig. 34 is a sequence diagram in accordance with the SitNet of Fig. 1;

[0040] Fig. 35 is a sequence diagram in accordance with the SitNet of Fig. 1;

[0041] Fig. 36 is a sequence diagram in accordance with the SitNet of Fig. 1;

[0042] Fig. 37 is a sequence diagram in accordance with the SitNet of Fig. 1;

[0043] Fig. 38 is a sequence diagram in accordance with the SitNet of Fig. 1;

[0044] Fig. 39 is a sequence diagram in accordance with the SitNet of Fig. 1;

[0045] Fig. 40 is a sequence diagram in accordance with the SitNet of Fig. 1;

[0046] Fig. 41 is a flow diagram in accordance with the SitNet of Fig. 1;

[0047] Fig. 42 is a sequence diagram in accordance with the SitNet of Fig. 1;

[0048] Fig. 43 is a network diagram of an alternative embodiment of a SitNet;

[0049] Fig. 44 is a network diagram of an alternative embodiment of a SitNet; and

[0050] Fig. 45 is a network diagram of an alternative embodiment of a SitNet.

DETAILED DESCRIPTION

[0051] Certain terminology is used herein for convenience only and is not to be taken as a limitation on the embodiments of the present invention. In the drawings, the same

reference letters are employed for designating the same elements throughout the several figures.

[0052] The words "right", "left", "lower" and "upper" designate directions in the drawings to which reference is made. The words "inwardly" and "outwardly" refer to directions toward and away from, respectively, the geometric center of the situational network and designated parts thereof. The terminology includes the words above specifically mentioned, derivatives thereof and words of similar import.

[0053] Unified Modeling Language ("UML") can be used to model and/or describe methods and systems and provide the basis for better understanding their functionality and internal operation as well as describing interfaces with external components, systems and people using standardized notation. When used herein, UML diagrams including, but not limited to, use case diagrams, class diagrams and activity diagrams, are meant to serve as an aid in describing the embodiments of the present invention, but do not constrain implementation thereof to any particular hardware or software embodiments. Unless otherwise noted, the notation used with respect to the UML diagrams contained herein is consistent with the UML 2.0 specification or variants thereof and is understood by those skilled in the art.

[0054] Referring generally to Fig. 1, a situational network 3000 is created when an occurrence or expected occurrence of an event or situation 3005 causes connections, also referred to as links, to be established between, within or among a set of participants 250, 207. The situational network allows the participants 250, 207 to interact and exchange information over connections to or through a computer network 900 regarding the event or situation 3005. Some or all of the participants included in the situational network (SitNet) 3000 may have no prior knowledge of or connection or contact with each other or other participants of the situational network through any other type of social network or personal interactions.

[0055] In the context of the situational network 3000, the participants may include external entities 207, also called situation authorities, central authorities or trusted providers, that generally are able to aggregate and provide comprehensive information related to the situation. Situation authorities 207 include, but are not limited to news organizations, such as news agencies (e.g., CNN), weather agencies (e.g., The Weather

Channel), traffic agencies (e.g., Traffic.com), emergency relief organizations (e.g., The American Red Cross), and government agencies (e.g., local fire departments, state Departments of Transportation, Federal Emergency Management Agency (FEMA)). There is a corresponding situation authority server 3011, also referred to as an event node server, for each situation authority 207. The situation authority server 3011 may be connected to a database 3020 for storing information related to the situation 3005, or data related to other participants in the SitNet 3000.

[0056] Participants in the SitNet 3000 also include users 250, which are alternately referred to as individuals or members. Users 250 are connected via the situational network 3000 using devices 402 such as cell phones, PDA's, personal computers, network servers, PVR's, in-vehicle and portable navigation systems, or other devices generally known to those skilled in the art that enable connection to, from and through the computer network 900. There is at least one device 402 corresponding to each user 250, although a user 250 may use more than one device 402 to access and share information within the situational network 3000. The devices 402 may be connected into the situational network 3000 automatically, by requesting a connection, or by receiving an invitation to connect, each of which is described in greater detail below.

[0057] The connections, or links, established in forming and sustaining the situational network 3000 may be persistent or temporary. A persistent connection allows participants to exchange information without requiring the user to re-authenticate, re-authorize, or re-create the connection. Temporary connections require one or both sides of the link to re-authenticate or re-authorize the connection each time information is to be sent or received. Some temporary links may enable one-time use, such that a new connection, including authorization or authentication, is created each time information is passed between the participants.

[0058] Examples of events or situations 3005 that might initiate the formation of a situational network include weather phenomenon, such as hurricanes, tornadoes, severe thunderstorms, or winter storms; emergency situations, such as building fires, aircraft crashes, or toxic substance releases; natural disasters, such as earthquakes, tsunamis, or floods; weather related activities, such as skiing or surfing; navigation and/or travel incidents, such as road closures or construction, vehicle accidents, traffic congestion,

roadway debris, or air turbulence; and public health crises, such as disease outbreak. Many of these event types are interrelated. For example, there a high correlation between vehicle accidents and freezing precipitation. Thus, it is possible to anticipate or pre-form a situational network based on an expected weather condition or forecast or anticipated road construction.

[0059] If the event or situation is not stationary or changes over time (e.g., in scope or location), such as a weather event with a time-dependent trajectory or size, the participants in the situational network may also change as the situation evolves over time. This embodiment is referred to as an event relative or dynamic SitNet. A change in the characteristics, either actual or forecast, associated with the situation are used to determine which users should be connected to or disconnected from the SitNet. Examples of characteristics for a weather phenomenon include location, size, shape, speed, precipitation rate, wind velocity, and trajectory. Some examples of characteristics that may be associated with navigation situations include location, altitude, visibility, length of traffic backup, and road surface conditions. In one embodiment, the users are connected or disconnected to the SitNet based on their movement relative to the situation.

[0060] Referring to Fig. 31, an example of an event relative SitNet is shown for two different times T1 and T2. At time T1, participants B, D, E, and H are connected to a situation authority in SitNet 3001 that has been established for a cluster of severe thunderstorms 3003. At time T2, in response to the changes in the location and shape of the thunderstorm cluster 3003, participants A, C, F, and I have been added to the SitNet 3001, and participants B, D, and H have been disconnected. Participant E is included in the SitNet 3001 at both time T1 and T2.

[0061] Referring to Fig. 36, the event relative embodiment of the SitNet has a dynamic set of user connections in which links between the participants in the situational network are added or removed as the situation or event changes its geographic location or as the user changes his position relative to the situation. User devices 404, 406 are connected into the situational network when it is determined that users of the devices 404, 406 are affected by the event or situation. Similarly, users are disconnected from the situational network as the event or situation moves away, the users move away from the situation, or the users are no longer determined to be affected by the event or situation. For example,

due to the uncertain nature of hurricane trajectory prediction, the list of users connected to the SitNet may change for each updated forecast of the hurricane, with users determined to be out of the projected hurricane path being disconnected from the SitNet while other users included in the projected hurricane path are added. As the hurricane passes, some users may be disconnected from the network if their area was not adversely affected, while those affected by the storm may remain connected to the SitNet or even be disconnected from the event relative SitNet and invited to connect to a different SitNet for those affected by the Hurricane, possibly requiring emergency assistance or aid by a relief agency.

[0062] A SitNet may be formed when users involved in a situation or event are determined to be in relatively close geographic positions. If the SitNet is not pre-formed or anticipated by the event or situation, but its formation is a result of the occurrence of the event or situation causing the potential members of the SitNet to be within a relatively small geographic area, such embodiment of the SitNet may be referred to as a proximity based SitNet. A proximity based SitNet may be established without the involvement of a situation authority or the creation an event node, described in greater detail below. User devices, such as Personal Information Aggregators (PIAs), discussed in greater detail below, containing a GPS or other geographic positioning devices generally understood by those skilled in the art, can share location coordinates to determine if they are within a proximity limit that has either been preset within the device or predetermined by the user. In one embodiment, PIAs crawling a multi-dimensional personal information network (NDSN), discussed in greater detail below, can locate other PIAs with the same proximity if the PIAs are allowed to share their location coordinates. The users may have no previous interaction or knowledge of each other, but may be related thought their PIAs by a high order separation of nodes in the NDSN (i.e., their PIAs may have indirectly changed information as described below). For example, while traveling internationally, several people without any other prior personal connection or relationship are coincidentally delayed at the same airport. They are alerted to the proximity of the other users by their PIAs which have established that they share something in common, such as currently reside in the same town, state or county, or have attended the same school or

university. A SitNet can be formed through connections established through the PIAs, possibly resulting in a personal meeting between the individuals.

[0063] A proximity based SitNet may be established in response to a request for goods or services (i.e. the need for goods or services is the situation) by an individual. A device associated with an individual broadcasts a message containing a request for goods and/or services. The message also includes positional coordinates. Other devices receiving the request within a close proximity to the requesting device may establish a connection with the requesting device to provide information about the rendering of the service or the availability of the goods. The devices may also be used to facilitate a personal meeting between the device users if the rendering of the service or procurement of goods requires such a meeting. The connections in the SitNet are maintained until the service has been completed by one user with a responding device, or until the goods have been obtained.

[0064] A variety of different architectures may be used to connect the devices of participants in the situational network. In one embodiment, a situational network may be formed using a centralized architecture. Referring to Fig. 43, in a centralized architecture embodiment, user devices 402 in the SitNet 3012 corresponding to users 250 are connected using centralized connections 3013 to a situation authority server 3011 associated with a situation authority 207. Information related to the situation 3005 is shared between the situation authority 207 and the users 250. Information originating from a user 250 in the SitNet 3012 and related to the situation 3005 may be shared with other users 250 in the SitNet 3012 via the situation authority 207. The situation authority 207 may distribute the information as received from the users 250 via the centralized connections 3013 between the situation authority server 3011 and the user devices 402 or perform a verification of the information before distributing the information to the users 250 of the SitNet 3012 through the centralized connections 3013.

[0065] Referring to Fig. 44, the situational network may also be formed using a decentralized architecture, such as a peer-to-peer network understood by one skilled in the art. In Fig. 44, user devices 402 of SitNet 3014 corresponding to users 250 are connected to each other through peer-to-peer connections 3015. The user device 402 may be connected at the same time to more than one other user device 402. Information related to the situation 3005 is shared using the user devices 402 directly between users

250 using the peer-to-peer connections 3015. Information can be distributed from a user 250 to all other users or a subset of the users in the SitNet 3014.

[0066] In one embodiment, the situation authority acts as a participant in the peer-to-peer network. While the situation authority may act as an important source of information, it does not act as the central authority or host, as would be found in the centralized architecture described above.

[0067] Referring to Fig. 45, both centralized and decentralized architectures may be utilized to form a combined architecture for the situational network. In Fig. 45, the user devices 402 in the SitNet 3016 are connected to the situation authority server 3011 using centralized connections 3013. The user devices 402 are also interconnected with each other using peer-to-peer connections 3015. In the event that the situation authority server 3011 becomes disabled or connectivity between the situation authority 207 and the users 250 is lost, the peer to peer connections 3015 that have been established between the users 250 or corresponding user devices 402 can still allow vital situation information to be exchange between users 250. In one embodiment, the situation authority 207 facilitates the formation of the peer-to-peer connections 3015 by providing users 250 with some type of indication of other users 250 also connected to the situational network 3016 through the situation authority server 3011. One such indication may be a projection of nodes of the SitNet 3016, described in greater detail below.

[0068] Regardless of the architecture used to form and sustain the situational network, the situational network is generally formed according to the process outlined in Fig. 41, which includes a recognition or identification of a situation 3100, a connection of participants 3110, and a sharing of information related to the situation 3120. This is also demonstrated in Fig. 39, where the situation is identified by situation authority 207. Users 256, 256 and situation authority 207 are all interconnected, and able to exchange information. Furthermore, those skilled in the art will recognize that any of the available architectures (e.g., centralized, peer-to-peer, or combination thereof) may be used to form and sustain the various embodiments of the situational network described above, including the event relative (dynamic) SitNet or the proximity based SitNet. Certain architectures may be more applicable to certain embodiments. For example, the peer-to-peer architecture may naturally be used to form a proximity based SitNet described

previously due to the inherent nature of the proximity SitNet. Nonetheless, those skilled in the art will recognize that a centralized or combination architecture may also be used for the proximity based SitNet depending on the particular situation and/or connections available.

[0069] In one embodiment, the situational network may be established using the framework of an N-dimensional social network (NDSN), also referred to hereafter as a multi-dimensional personal information network, as described in detail below. In this embodiment, users are connected into the situational network through the NDSN using a PIA. In the context of the NDSN, a PIA associated with each user is or encompasses a node of the situational network. The situation or event itself may also be associated with a node on the SitNet, known as the event node for the SitNet. For example, an entity, such as a trusted provider of information (e.g., a news source such as CNN or weather.com), establishes an event node in an NDSN that propagates up-to-date information on the situation to PIAs of the NDSN connected to that event node. In one embodiment, the SitNet may have more than one event node.

[0070] Referring to Fig. 2, user PIAs connected to an event node using the connect use case 972 in the SitNet 3000 may discover each other using the discover use case 971, described below. Personal or situation relevant information is shared between the users using the share use case 977. In addition, connections between PIAs, also called links, may be established where one or both of the PIAs are not linked directly to the event node, wherein a direct link to the event node is also referred to as a first order connection. In one embodiment, the SitNet can be formed in the absence of an event node, such as in a de-centralized (peer-to-peer) architecture as described above.

[0071] A Personal Information Aggregator (PIA) provides a user with the ability to store, organize and control personal information. The PIA obtains personal information that may be controlled by separate entities (e.g., credit reporting agencies, financial institutions and merchants), aggregates the information and organizes the information in manners that have been selected by the user. The user controls access to the personal information stored in the PIA by authorizing access by other entities to subsets of the personal information stored in the PIA. In many cases, the use of the authorized

information is bound and restricted by legal contract, and therefore, the user has legal remedies available to enforce proper use of the information.

[0072] The user of a PIA can be any person, group or entity that wishes to manage and control his (or its) personal information. For example, a family can use a PIA to aggregate personal information that the family members have in common (place of residence, family vacations, etc.).

[0073] An entity that accesses the information stored in a PIA can be an individual person, a group, entity or equipment (e.g., digital video recorder) or software (e.g., web browser) that has been configured to access the PIA. The nature and composition of a group that accesses a PIA can encompass a broad range of organizations, e.g., a health clinic, an auto dealership, a coin collectors club, etc.

[0074] The personal information obtained by and/or stored in a PIA encompasses a broad array of types of information about a person's life, social interactions, health and healthcare, consumer behavior including consumer purchases, entertainment consumption and habits, fitness activity, travel, financial, employment, education, hobbies and personal computing and/or other aspects of a person's world that can be reduced in any way to data. The personal information stored in the PIA is obtained from a variety of sources, including input data feeds that are generated by providers of goods and services, healthcare providers, organizations, clubs, social contacts and other persons and entities. In addition, personal information stored in the PIA may be entered directly by the user.

[0075] In some cases, there may be data regarding the user that is contained on the Internet, private networks, or in personal data storage. In one embodiment, the PIA "crawls" such networks or storage areas, searching for information to add to its store of personal information associated with the user.

[0076] A community information aggregator (CIA) performs functions that are similar to those of a PIA for a community of users (e.g., an association of architects or a chess club) A CIA provides a community with the ability to store, organize and control information associated with the community and personal information associated with members of the community. The CIA obtains, aggregates and organizes such information, and makes the

information available to other authorized entities in a manner similar to that described herein with respect to PIAs.

[0077] A CIA may obtain data by searching other sources of information, e.g., web sites on the Internet. In one embodiment, a CIA gathers information about a user that is not published by that user's PIA by crawling public and/or private information sources. In one embodiment, a marketer's CIA uses a known piece of information about a user to search for and store additional information about the user. For example, a user's known e-mail address can be used to locate Internet postings of product reviews, blog postings and comments, listings in membership directories or other information associated with the user. This additional information could be used as input for recommendations targeted to the user.

[0078] A user controls the information coming in to the PIA by granting authorization to desired sources and denying authorization to unwanted sources. The source of the information may request authorization to provide information to the PIA. Alternatively, the user or the PIA may initiate the operation of receiving data from a source. The authorized information received by the PIA is organized and stored in the PIA. The PIA generates composite and derived output data feeds from the stored personal information. These data feeds may be accessed by providers of goods and services, healthcare providers, communities (e.g., organizations and clubs), social contacts, CIAs, other PIAs and other persons and entities if authorized by the user. In some embodiments, the PIA can be configured to notify the user or automatically reject requests from entities known to be invalid, such as spammers.

[0079] Referring to Fig. 3, an entity 207 requests authorization for access to a user's PIA 400 by using the Request Authorization use case 954. The user 250 can authorize the request using one of the access type use cases 957 (e.g., Allow Single-use Access, Allow Ongoing Access, Allow Limited Access) of the Authorize use case 950. If authorized, the entity 207 may access the requested output data feed of personal information if the request was for access by using the Access Information use case 956. Similarly, the entity 207 may provide information to the requested input data feed of the PIA if the request was to provide data by using the Provide information use case 955. It should be noted that an entity 207 is not limited to authorization for a single feed, nor is an entity 207

limited to an exclusively input or output role. Rather, an entity 207 may have authorization to concurrently access one or more input data feeds and provide data to one or more input data feeds.

[0080] The personal information stored by the PIA may reside in data structures that are implemented as tables in a relational database management system (DBMS) and that can be accessed by the PIA's application program. Fig. 4 illustrates an example of data structures used to store the personal information in a PIA. In Fig. 4, each data structure used to store information in the PIA is represented by a programming class in an object-oriented language (e.g., Java or C++), and the type of information stored in the PIA for each class of data is represented by the attributes of the class.

[0081] Those skilled in the art will recognize that there are many types of personal information that can be stored in the PIA 400. Similarly, the design of the data structures used to store the information can vary greatly, depending on various factors such as the design requirements for the PIA (e.g., response time) and the selected platforms used to implement the PIA (e.g., DBMS, operating system, etc.).

[0082] An Upload Data use case 960 (see Fig. 3) allows entities 207a to upload data to be stored in the PIA 400; the Review Data 961 use case allows the user 250 to review the uploaded data.

[0083] In one embodiment, the user 250 controls access to both the input and output data feeds of the PIA. Specific authorization must be granted to allow an input data feed to be accepted by the PIA 400. Similarly, specific authorization must be granted to allow access to an output data feed provided by the PIA. Authorization can be granted by various mechanisms. Those skilled in the art will recognize that an authorization request may be sent to the PIA using a wide variety of available hardware and technologies generally known in the art.

[0084] Authorization may be granted only for a "single use" of a data feed. For example, a user might grant authorization for an insurer to access a composite "Medical Record" output data feed for only a single use in order to process an insurance claim. Alternatively, the authorization might also be contingent upon the agreement that any data received from the output data feed is to be destroyed after the single use of the data.

[0085] The authorization request might also specify a "nature of use" for the requested data. For example, a healthcare provider might specify in an authorization request that the data will only be used by a specified doctor during a specified episode of care.

[0086] Authorization might be granted for only a portion of the requested data. This situation might be handled by creating one or more data feeds that contain only the authorized subset of the requested data.

[0087] Fig. 5 depicts the interactions associated with a PIA single-use authorization request in one embodiment of the invention. The External Entity 207 sends a requestInformationAccess message to the PIA 400, with arguments indicating the requested data feed (FeedID) and the nature of the request ("Single Use"). Upon receiving the request from the External Entity 207, the PIA 400 sends a UI message to the user 250. The arguments of the UI request provide the ID of the entity (EntityID), the nature of the request, the ID of the requested data, and the text to be displayed to the user ("requests …"). The User 250 responds by sending an authorize message to the PIA 400, passing back in the message's arguments the entity's ID, the nature of the authorization ("Single Use"), and the data feed (FeedID) for which authorization is granted. The PIA 400 notifies the External Entity 207 that the authorization has been granted by sending it a grantAccess message with arguments indicating the nature of the authorization and the data feed for which authorization is granted.

[0088] After receiving notification of the authorization, the External Entity 207 sends the PIA 400 a requestData message with an argument specifying the data feed that is being requested. If the feed ID matches that for which authorization has been granted, the PIA 400 responds by sending the requested data to the External Entity 207 in a provideData message. After receiving the requested data from the PIA 400, the External Entity 207 uses the data (useData). Since the authorization was for a single use, the External Entity 207 destroys the data (destroyData) after its use. To notify the PIA 400 of the data's destruction, the External Entity 207 sends a dataDestroyed message, which the PIA 400 passes on to the User 250. In one embodiment, the PIA 400 might utilize a timer to remind itself to check for notification that the data has been destroyed, and to send a message to the user 250 if not notified within a prescribed time period.

[0089] Fig. 6 depicts the interactions associated with an ongoing-use authorization request in one embodiment of the invention. The External Entity 207 sends a requestInformationAccess message to the PIA 400, with arguments indicating requested data feed (FeedID) and the nature of the request ("Ongoing"). Upon receiving the request from the External Entity 207, the PIA 400 sends a UI message to the user 250. The arguments of the UI request provide the ID of the entity (EntityID), the nature of the request, the requested data feed, and the text to be displayed to the user ("requests ..."). The User 250 responds by sending an authorize message to the PIA 400, passing back in the message's arguments the entity's ID, the nature of the authorization ("Ongoing"), and the data feed for which authorization is granted. The PIA 400 notifies the External Entity 207 that the authorization has been granted by sending it a grantAccess message with arguments indicating the nature of the authorization and the data feed for which authorization is granted.

[0090] After receiving notification of the authorization, the External Entity 207 sends the PIA 400 a requestData message with an argument specifying the data feed that is being requested. If the feed ID matches that for which authorization has been granted, the PIA 400 responds by sending the requested data to the External Entity 207 in a provideData message. After receiving the requested data from the PIA 400, the External Entity 207 uses the data (useData). Since the authorization is for ongoing access, this cycle of a requestData message followed by a provideData message continues indefinitely.

[0091] Fig. 7 depicts the interactions associated with a limited-use authorization request. In this example, authorization is granted for limited use of a data feed, and the authorization is revoked on a specific termination date or due to some other set of termination conditions. For example, the travel department at the user's employer might be granted authorization to access a composite Travel Preferences input data feed so long as the user is still employed by the employer. The PIA 400 keeps a persistent record of the authorization, so that authorization needs only to be granted once, rather than repeatedly, and revokes the authorization if the employment is terminated.

[0092] The External Entity 207 sends a requestInformationAccess message to the PIA 400, with arguments indicating the requested data feed (FeedID) and the nature of the request ("Limited"). Upon receiving the request from the External Entity 207, the PIA

400 sends a UI message to the user 250. The arguments of the UI request provide the ID of the entity (EntityID), the nature of the request, the requested data feed, and the text to be displayed to the user ("requests …"). The User 250 responds by sending an authorize message to the PIA 400, with arguments that specify the entity's ID, the nature of the authorization ("Limited"), the termination criteria (endCondition) and the data feed for which authorization is granted. The PIA 400 notifies the External Entity 207 that the authorization has been granted by sending it a grantAccess message with arguments indicating the nature of the authorization, the termination conditions and the data feed for which authorization is granted.

[0093] After receiving notification of the authorization, the External Entity 207 sends the PIA 400 a requestData message with an argument specifying the data feed that is being requested. If the feed ID matches that for which authorization has been granted, the PIA 400 responds by sending the requested data to the External Entity 207 in a provideData message.

[0094] After receiving the requested data from the PIA 400, the External Entity 207 uses the data (useData) and then, since the authorization was for limited use, checks for the existence of the termination conditions (checkCondition). If the termination conditions are met, the External Entity 207 destroys all of the data (destroyData) which it has received under this authorization. To notify the PIA 400 of the data's destruction, the External Entity 207 sends a "dataDestroyed" message, which the PIA 400 passes on to the User 250. In another embodiment, the PIA 400, instead of the external entity, might check for the termination conditions, and notify the external entity 207 when the conditions are met.

[0095] In an alternate embodiment, the user 250, instead of the external entity, might initiate the authorization. Fig. 8 depicts the interactions associated with a PIA authorization request for such a situation. Although an ongoing authorization request is shown in the example of Fig. 8, it is understood that a user-initiated authorization request may also be for single or limited use. In Fig. 8, the User 250 initiates the authorization by sending an authorize message to the PIA 400, with arguments that specify the entity's ID (EntityID), the nature of the authorization (authorizationType), and the data feed (FeedID) for which authorization is granted. Upon receiving the authorization from the

User 250, the PIA 400 notifies the External Entity 207 of the authorization by sending an accessGranted message with an argument specifying the nature of the authorization and identifying the authorized data feed.

[0096] After receiving notification of the authorization, the External Entity 207 sends the PIA 400 a requestData message with an argument specifying the data feed that is being requested. If the feed ID matches that for which authorization has been granted, the PIA 400 responds by sending the requested data to the External Entity 207 in a provideData message. After receiving the requested data from the PIA 400, the External Entity 207 uses the data (useData). Since the authorization is for ongoing access, this cycle of a requestData message followed by a provideData message continues indefinitely.

[0097] With regard to the receipt of input data feeds by the PIA 400, the user 250, in one embodiment, might request the PIA 400 to receive data from the external entity. Fig. 10 depicts the interactions associated with such a situation. The User 250 requests the PIA 400 to receive a data feed from the External Entity 207 by sending a receiveRequest message to the PIA 400. The PIA 400 requests the data feed from the External Entity 207 by sending a requestData message to the External Entity 207. The External Entity 207 provides the requested data feed to the PIA 400 by sending the provideData message to the PIA 400. After receiving the requested data from the External Entity 207, the PIA 400 stores the data.

[0098] It should be noted that in another embodiment, the External Entity 207 may be configured to provide data to the PIA 400 once the PIA has configured itself to accept the data feed from the External Entity 207, and thus, the requestData message would be eliminated from the interaction.

[0099] In an alternate embodiment, the External Entity 207 requests authorization to provide data feeds to the PIA 400. Fig. 11 depicts the interactions associated with such a situation. The External Entity 207 requests authorization to provide data to the PIA 400 by sending a requestInformationAccess message to the PIA 400. The PIA 400 notifies the User 250 of the authorization request by sending a UI message to the User 250. The User 250 approves the authorization request by sending an authorize message to the PIA 400. The PIA 400 notifies the External Entity 207 of the approval by sending a grantAccess message to the External Entity 207. The External Entity 207 provides the requested data

feed to the PIA 400 by sending the provideData message to the PIA 400. After receiving the requested data from the External Entity 207, the PIA 400 stores the data.

[00100] In any interaction in which the PIA receives data from an external entity, an additional operation might be used to authenticate the source of the data, i.e., the external entity and the data feeds provided by that source. A person skilled in the art will recognize that there are various well-known technologies that might be used to provide this assurance; some examples are the use of public and private keys, digital signatures and hashcodes.

[00101] Fig. 9 is an activity diagram corresponding to an Authorize activity. In the depicted embodiment, the requesting entity has an associated security level. This security level is used as an additional condition for obtaining access to the PIA's data feeds. The PIA receives an authorization request and checks the requesting entity's security level. If the security level is allowable for the requested data feed based on the entity's security level and the nature of the authorization request (single-use, limited use or ongoing), then the PIA next determines if it will authorize the request based on factors independent of the entity's security level. In one example, the user may only allow a certain entity access during normal work day hours, and not during the evening or on weekends. In another example, an entity may only be allowed single-use access, and therefore the entity will be refused authorization if ongoing or limited use is requested.

[00102] A PIA, depending upon the particular embodiment, may present user interface displays to the user for managing the user's personal information. In one embodiment, the user interface (UI), which may be a GUI or a text-based interface, may be presented on a computer display screen. Alternatively, the user interface may be presented on the display of a PIA appliance, or on a smaller screen contained within a handheld device associated with the PIA.

[00103] The PIA 400 or CIA may be implemented on a variety of hardware and software platforms, e.g., a handheld device, a personal computer or a dedicated appliance. The latter is a device that provides a user with the functions of a PIA 400. In this example, the PIA 400, which is implemented as the appliance includes a display and a set of buttons which provide the user with a user interface. In addition, the PIA appliance in this example has a port which may be used for connecting the PIA appliance to a network

(e.g., Internet) for transmitting and receiving input and output data feeds as well as any configuration information or data used by the PIA 400. Those skilled in the art will recognize that the PIA 400 and the CIA may be implemented on a variety of hardware and software platforms.

[00104] Similarly, the type of hardware that is used by the PIA to store personal information can vary considerably, depending in part on such factors as user preferences and available technologies. In one embodiment, the personal information is stored in a device that is under the physical possession and control of the user, e.g., a small handheld portable device. The device may be dedicated solely to providing the functions of a PIA; alternatively, the device may also have other functions. For example, a mobile phone may be configured to provide the additional functions of a PIA. In such an embodiment, a database management system (DBMS) such as Microsoft SQL Server CE™ might be used for storing and managing the personal information.

[00105] In other embodiments, the personal information is stored in other types of devices that are under the physical possession and control of the user, e.g., the user's personal computer or a dedicated PIA appliance. In these embodiments, a database package such as Microsoft Access™ or a DBMS such as Microsoft SQL Server™, mySQL or postgreSQL might be used for storing the personal information.

[00106] The computer network 900 may be implemented with a variety of hardware platforms. For example, the computer network 900 may be implemented using the IEEE 802.3 (Ethernet) or IEEE 802.11 (wireless) networking technologies, either separately or in combination. In addition, the computer network 900 may be implemented with a variety of communication tools. For example, the computer network 900 may be implemented using the well-known TCP/IP suite of protocols. The Internet and some corporate intranets are examples of computer networks that use the technologies and standards described above.

[00107] In yet another embodiment, the personal information is stored in a remote server that is operated by a separate PIA provider and provides "virtual" PIA functions to one or more users. The PIA provider operating the remote computer ensures that the user has exclusive control over his personal information by providing one or more mechanisms for validating the user's identity before allowing the user to exercise control over his

personal information. In this embodiment, a DBMS such as IBM DB2™ or mySQL might be used for storing and managing the personal information

[00108] Those skilled in the art will recognize that there are a wide variety of choices other than the examples given above regarding the selection and arrangement of the equipment, technologies, platforms and systems used to store personal information in the PIA.

[00109] The technologies used by the PIA to send and receive its data feeds are varied and depend upon the specific embodiment. In one embodiment in which the PIA is implemented on a handheld device, the technologies include Bluetooth for local feeds and wireless short message service (SMS) for remote feeds. Bluetooth is used to establish a data connection between the PIA and a blood pressure monitor in a physician's office, and this data connection is used to send the blood pressure measurements taken by the monitor the PIA. SMS is used to send the latest healthcare information, which includes blood pressure measurements, to the PIA.

[00110] In an embodiment in which the PIA is implemented on a personal computer or a remote computer, Internet access through an Internet Service Provider (ISP) might be used for sending and receiving data. In this embodiment, the ISP might provide access to the Internet as a dial-up service, or through a higher-speed technology such as broadband or DSL. Since the Internet can expose the data being sent and received to unauthorized persons and systems, the data feeds, in this embodiment, might be encrypted, e.g., by using the HTTPS protocol, or by implementing a virtual private network (VPN) between the PIA and the sources and receivers of the data feeds.

[00111] An N-dimensional social network (NDSN), also called a multi-dimensional personal information network, captures and manages multi-dimensional relationships between persons and other entities that are users of the network. An NDSN may be used as a framework for establishing a Situational Network. A user (i.e., a member or participant) of the NDSN may be an individual (i.e., person), a group (e.g., healthcare clinic, law firm, supermarket chain, etc), or entity. The NDSN uses multiple dimensions of association to characterize the relationships between users or members. For example, while friendship is a dimension that might be used by the NDSN, the NDSN might also utilize other dimensions such as family, professional connection, consumer (e.g.,

consumer-to-merchant) relationship and healthcare-relation (e.g., providers, insurers, etc.) to characterize the relationship between two or more users. In addition, the NDSN might utilize dimensions that link participants by preferences and behaviors, e.g., a preference for a type of product or service.

[00112] The NDSN permits the user to discover and utilize the indirect relationships to other users that are connected to him through first-degree users. The multiple dimensions of the NDSN 100 and the ability to discover and use indirect relationships are described in more detail below. The NDSN also provides a decentralized architecture outside the control of a single entity.

[00113] The NDSN can also provide a "projected" view of a subset of the members of the NDSN to the user based on a subset of the NDSN's multiple dimensions. Such a "projected" view allows the user to use and manage smaller portions of the entire social network. The projected social network is described in more detail below.

[00114] In one embodiment, the NDSN comprises interconnected nodes, where individual users, members, entities, communities, or other aggregations of entities within the NDSN are associated with the nodes. Each node provides an associated entity with the ability to store and manage his profile and relationships with other users of the NDSN. Nodes may connect via different dimensions. Sets of nodes may exhibit high interconnectedness along some dimensions and little or no interconnection along other dimensions.

[00115] Each node is capable of communicating in a peer-to-peer fashion with other nodes in the NDSN, and thus is a user's point of connection to the NDSN, providing a user with access to information that can be obtained from other users of the NDSN with whom the user has a relationship. Conversely, a node provides a user with the ability to selectively share (by providing access to) his personal information with other users of the NDSN. A node may be, or may encompass, a user's PIA or CIA.

[00116] Referring to Fig. 12, the NDSN 100 includes multiple users 250 and other entities associated therewith. Each of the users 250 or other entities of the NDSN 100 has an associated node which encompasses a PIA 400 or a CIA 220 or other device or software application (not shown). The PIAs 400 and CIAs 220 can be interconnected through the computer network 900.

[00117] Those skilled in the art will recognize that a node of the NDSN 100 may be implemented using a wide variety of available hardware and technologies generally known in the art, such as software on a personal computer or a handheld PDA. In addition, those skilled in the art will recognize that the nodes of the NDSN 100 may be interconnected and may communicate with each other using a wide variety of available hardware and technologies generally known in the art, such as TCP/IP over an Ethernet or a wireless network. In one embodiment, some users may have their nodes hosted in a common location, e.g., on a local or remote server.

[00118] A user's PIA 400 provides various functions that permit the user to connect to and interact with other members of the NDSN 100. Referring to Fig. 13, a user 250 employs the Discover use case 971 to discover the existence of other members of the NDSN 100. The user 250 may or may not have prior knowledge of the existence of members of the NDSN 100, and therefore, may not need to discover the existence of the members of the NDSN 100. The user 250 employs the Connect use case 972 to connect to other members of the NDSN 100 and configures his user profile by utilizing the Configure 973 use case. Once connection to other members of the NDSN 100 is established for the user 250, the user 250 can invite a new member 251 to connect to members of the NDSN 100 by utilizing the Invite use case 974. The user 250 employs the Request Projection 975 use case to obtain a projection of the NDSN. If the user 250 decides to disconnect himself from the other members of the NDSN 100, he employs the Disconnect use case 976. The new member 251 can similarly employ the use cases (Discover 971, Connect 972, Configure 973, Invite 974, Request Projection 975 and Disconnect 976) as described above.

[00119] The NDSN 100 captures multiple various dimensions of the relationship between two users. The dimensions that are captured are wide-ranging and can cover many aspects of a user's life. Each relationship between two users in the NDSN 100 may have an attribute of affinity, i.e., trust or alignment. This permits the NDSN to characterize a relationship between users along a continuous range, rather than treating the relationships in a binary (i.e., true or false) fashion. For example, rather than characterizing another user as simply a friend (or not), the NDSN user can characterize

the level of trust that he has in another user with whom he is related by friendship; in other words the NDSN can capture the level of friendship between two users.

[00120] In other embodiments, the multiple relationships between two users may have a single affinity attribute, as opposed to one affinity attribute per relationship. The value of the affinity attribute may be derived from the user attributes (which may be contained in the user profile) of one or both of the related nodes. For example, if both related users each have a user attribute that identifies them as basketball fans, then the derived affinity attribute along a Sports dimension would have a value of 0.9. However, if only one of the users has a user attribute that identifies him as a basketball fan, then the derived affinity attribute might have a lower value of 0.6.

[00121] Those skilled in the art will recognize that there are numerous well-known software and hardware technologies that may be utilized to implement the attributes of the users of the NDSN 100 and the attributes of the associations between the users.

[00122] A node of the NDSN 100 is connected to another node by one or more degrees or separation. A connection from one node directly to another node is considered to be of first-degree separation; a connection that goes indirectly through one other node is of second-degree separation; a connection that goes indirectly through two other nodes is of third-degree separation, and so on. In the example of Fig. 18, nodes a_{11}, a_{12} and a_{13} have first-degree separation from node a_0; nodes a_{21}, a_{22} and a_{23} have second-degree separation from a_0; and nodes a_{31} and a_{32} have third-degree separation from a_0.

[00123] Two nodes that are separated by two or more degrees of separation are indirectly connected. Either of such indirectly connected nodes may attempt to establish a direct connection with the other node, thus reducing the degree of separation to one.

[00124] A user might desire to work with a "projected" view, i.e., a subset of the nodes, of the NDSN 100. Such a desire might be based, for example, on a need to increase processing speed and reduce resource requirements such as CPU speed and memory size. A user can obtain a "projected" view of the NDSN 100, by employing the Request Projection use case 975 (see Fig. 13). Referring to Fig. 19, Node A and Node B are connected to the user 250. The relationship between the user 250 and Node A has components in three dimensions: Music 106, Politics 107 and Cooking 105, while the relationship between the user 250 and Node B has components in the Music 106 and

Politics 107 dimensions, but not the Cooking dimension 105. In Fig. 19, the projected view 101 of the NDSN 100 includes those nodes (i.e., Node A) of the NDSN 100 that reside along a selected projection of the Cooking dimension 105 (and not the Music or Politics dimensions 106, 107). Nodes that reside in the two-dimensional plane formed by the Music dimension 106 and the Politics dimension 107 (i.e., Node B) are thus not included in the projected view 101 of the NDSN 100, since they do not include a Cooking component. A projection of the NDSN 100 may also be obtained along multiple dimensions.

[00125] The affinity attributes between nodes of the NDSN 100 may also be used to determine the set of nodes that form a projection of the NDSN 100. For example, the set of nodes in a projection of the NDSN 100 might include those nodes that have a cooking dimension relationship with the user 250 and additionally have an affinity attribute along that dimension that exceeds a specified threshold.

[00126] Fig. 20 depicts an example of the interactions associated with creating a projection of the NDSN 100. In Fig. 20, the User 250 requests a projection by sending a requestProjection message to PIA1 211. PIA1 211 then requests a second projection by sending a requestProjection message to PIA2 212. PIA2 212 creates the second projection by sending itself a createProjection message, and provides the second projection by sending a projection message to PIA1 211 containing the argument projectionTree which holds the second projection. PIA1 creates the projection requested by the user by sending itself a createProjection message. The projection created by PIA1 211 is based on the second projection received from PIA2 212. In some embodiments, the projection created by PIA1 211 is further based on other projections requested and received from other PIAs (not shown).

[00127] In other embodiments, thresholds are employed to limit the extent of a requested projection. For example, a time limit may be imposed on the operation of creating a projection, i.e., the operation will terminate after a specified duration of time. As another example, a limit on the number of nodes contained in the projection may be used to place an upper bound on the size of the projection.

[00128] In some embodiments, a maximum measure of separation, which can be measured in various ways, may be used to limit the projection operation. In one

embodiment, the User 250 specifies the maximum degree of separation, and the PIA1 211 requests a second projection from PIA2 212 with a maximum degree of separation that is one less than the degree specified by the User 250.

[00129] A user node in the NDSN 100 may contain the user's profile, which may include information regarding the user's basic personal information (e.g., name, home address, work address, e-mail addresses and date of birth), demographics (e.g., age, age group, gender, years of education, income, net worth, occupation, marital status, geographic region, religion, ethnicity, etc.), user attributes, interests, affiliations and other information that can be used in the NDSN to characterize the user. The user node, which in some embodiments is a PIA, may collect some of this information without requiring direct entry by the user. Such information is extracted by monitoring, processing and analyzing data that enters the PIA through its input data feeds. The user also may have the option of directly entering, reviewing and modifying his user profile; these actions can be performed on a variety of types of devices or equipment that may provide the user with data connections to the other nodes of the NDSN, including, e.g., a PIA, a CIA, a personal computer, or a handheld device (e.g., a cell phone or personal digital assistant (PDA)).

[00130] As described above, a user 250 may have no prior knowledge of the existence of the members of the NDSN 100, and may choose to see if he can discover the existence of members of one or more NDSNs. Members of an NDSN may be discovered in various ways, including broadcasting a query, querying a CIA, querying neighboring nodes and querying other directories.

[00131] A node may be able to discover other nodes by broadcasting a message on the local network. Upon receipt of the broadcast message one or more of the other nodes may respond to the issuing node with, e.g., a list of available public feeds (if the node is a PIA), or other information.

[00132] A CIA may maintain a list of PIAs that can be accessed by another PIA such that direct connections to the member PIAs may be established. This would allow a member to easily find other members of a particular community. For example, a CIA associated with a chess club might have a list of its members, as well as lists of members

of other chapters of the club, and thus would be able to provide a convenient way to find and connect with other chess players.

[00133] A node may also locate other nodes by querying known neighbor nodes and asking them for addresses of nodes of which they have knowledge that meet certain criteria. For instance, a node may ask its neighbors for addresses of their neighbors that are members of a certain demographic. The process could then be repeated with that new set of addresses obtained in the responses.

[00134] A user 250 may attempt to discover the existence of members of one or more NDSNs by employing the Discover use case 971 (see Fig. 13). Referring to Fig. 14, the User 250 requests PIA1 211 to attempt to discover the existence of members of an NDSN by sending a DiscoverNDSN message to PIA1 211. In order to satisfy this request, PIA1 211 utilizes a list (not shown) of candidate PIAs, i.e., those that may be members of an NDSN. This list may be generated by various techniques (not shown), e.g., by crawling the Internet or by contacting a registry that stores the identities of PIAs.

[00135] In the example of Fig. 14, the list of candidate PIAs used by PIA1 211 includes PIA2 212 and PIA3 213. PIA1 211 asks PIA2 212 if it is a member of an NDSN by sending a QueryNDSN message to PIA2 212. PIA2 212 responds that it is a member of an NDSN by sending an NDSNMember message to PIA1 211 containing the argument ndsn which identifies the particular NDSN of which PIA2 212 is a member. Similarly, PIA1 211 sends a QueryNDSN message to PIA3 213. PIA3 213 neither is a member of an NDSN nor understands the QueryNDSN message, and thus it does not respond to PIA1 211. After a timeout period has elapsed, PIA1 211 sends itself a timeout message to note that PIA3 213 has not responded. PIA1 211 satisfies the request from the User 250 to discover the existence of members of an NDSN by sending a ReportNDSN message to the User 250 with an argument ndsn that identifies the discovered NDSN.

[00136] Those skilled in the art will recognize that techniques of crawling the Internet and providing a registry are well-known in the art, and furthermore that a variety of other techniques may be utilized to generate the list of candidate PIAs.

[00137] To connect to members of the NDSN, a user employs the Connect use case 972 (see Fig. 13). In the example of Fig. 15, the User 250 asks PIA1 211 to connect to an NDSN by sending a ConnectNDSN message to PIA1 211 with arguments that contain his

user profile (UserProfile) and identify the NDSN (ndsn). PIA1 211 utilizes a list (not shown) of PIAs that belong to the NDSN. This list may be generated by various techniques (not shown), e.g., by crawling the Internet or by storing the identities of the PIA that have been discovered by employing the Discover use case 971 (see Fig. 13).

[00138] In the example of Fig. 15, the list of PIAs used by PIA1 211 includes PIA2 212. PIA1 211 informs PIA2 212 that the User 250 is becoming a new member of, i.e., connecting to the NDSN, by sending a NewMember message to PIA2 212 with an argument ndsn identifying the NDSN, and an argument NewMember identifying the PIA (PIA1 211) owned by the new user (User 250). PIA2 212, as a PIA of an existing member of the NDSN, has a list of PIAs owned by other members of the NDSN, which are unknown to the new member, User 250. In the example of Fig. 15, this list includes PIA3 213. PIA2 212 sends a NewMember message to PIA3 213 and the other PIAs (not shown) on the list with an argument ndsn identifying the NDSN, and an argument NewMember identifying the PIA (PIA1 211) owned by the new user (User 250). Each PIA on the list sends the NewMember message to other PIAs (not shown), thus propagating the news of the new member to other members of the NDSN.

[00139] PIAs that are thus informed of the existence of the new member, User 250, may decide to connect to PIA1 211. In the example of Fig. 15, PIA3 213 connects to PIA1 211 by sending a Connect message to PIA1 211 with arguments that contain a user profile corresponding to the owner of PIA3 213 (UserProfile) and identify the NDSN (ndsn).

[00140] Fig. 21 provides another example of a PIA connecting to the NDSN 100. The User 250 instructs PIA1 211 to connect to other nodes of the NDSN 100 along a specific dimension by sending a connectNodes message with an argument dimension identifying the specified dimension to PIA1 211. PIA1 211 searches the NDSN 100 for nodes along the specified dimension by sending itself a searchNodes message. In this example, PIA2 212 is included in the nodes found by PIA1 211. PIA1 211 then requests to connect to PIA2 212 by sending a requestConnect message to PIA2 212. PIA2 212 grants the connection request by sending a grantConnect message to PIA1 211. PIA1 211 then connects to PIA2 212 by sending a Connect message to PIA2 212. PIA1 211 informs the User 250 that the requested connections have been made by sending a connectedNodes message to the User 250.

[00141] To invite a new member to connect to the members of the NDSN 100, a user employs the Invite use case 974 (see Fig. 13). In the example of Fig. 16, the User 250 asks PIA1 211 to invite User2 252 to connect to the members of the NDSN by sending an InviteNewMember message to PIA1 211 with an argument ndsn identifying the NDSN, and an argument NewMember identifying the potential new user (User2 252). PIA1 211 sends an Invite message to PIA2 212 with an argument ndsn identifying the NDSN.

[00142] PIA2 212 might inform User2 252 by displaying a user interface prompt announcing the invitation (not shown). To accept the invitation, PIA2 212 responds by sending a Connect message to PIA1 211 with arguments that contain User2's user profile (UserProfile) and identify the NDSN (ndsn). If PIA2 212 were to decline the invitation, then PIA2 212 would respond by sending a Decline message (not shown) to PIA1 211.

[00143] PIA1 211 also sends a NewMember message to PIA3 213 and other members of the NDSN (not shown), with an argument ndsn identifying the NDSN, and an argument NewMember identifying the PIA (PIA2 212) owned by the new user (User2 252). As described in the example of Fig. 15, the news of the new member is thus propagated to other members of the NDSN. PIA1 211 sends an Accepted message to the User 250, informing the User 250 that User2 252 has accepted the invitation to connect to members of the NDSN.

[00144] To disconnect from other members of the NDSN, the user may employ the Disconnect use case 976 (see Fig. 13). In some embodiments, a user's PIA stores the addresses of PIAs that belong to the members to whom the user is connected. In the example of Fig. 17, the User 250 asks PIA1 211 to disconnect from the members of the NDSN by sending a DisconnectNDSN message to PIA1 211 with arguments ndsn and Member identifying the NDSN and the member. PIA1 211 sends a Disconnect message to PIA2 212 and other PIAs (not shown) that it is connected to, with an argument ndsn that identifies the NDSN.

[00145] The user 250 may configure the PIA to permit a connection for one or more specific user attributes between him and other users. In this manner, users can easily connect with each other based on common interests, demographics or other factors. A user employs the Configure use case 973 (see Fig. 13) to configure his NDSN node. For

example, a user may configure his PIA to allow connections to any PIA that belongs to a user who coaches volleyball.

[00146] As discussed above, an embodiment of a situational network may be formed using the framework of an NDSN. Within the framework of the NDSN, the event or situation becomes associated with a node of the NDSN, referred to as an event node 3010. Referring to Fig. 35, the event node corresponding to an event node server 3011 may be established, or hosted, by a situation authority 207 or trusted provider, such as news source (e.g., CNN or weather.com) or a government agency. The event node may be discovered by a user's PIA 404 corresponding to the user 250 based on the PIA 404 searching or crawling the network for information about the situation or event if the connection can not be automatically established based on the configurations of the PIA 404 and the event node server 3011. A user 250 can then request connection to the event node server 3011 through the PIA 404 in order to receive and share information about the situation with the situation authority 207. A user 250 may also share information related to the situation with another user in the NDSN using a connection established between the user's PIA 404 and another PIA 406. PIA 406 may or may not be connected to the event node server 3011. In one embodiment, the connection request may be denied based on available computer network resources and the users' perceived need to access or share information on the SitNet. Alternately, users may automatically be invited to connect to the event node corresponding to the event as shown in Fig. 34. The automatic invitation may be based on a stored user profile accessible to a situation authority server 3011 associated with the event node may crawl the network for user PIAs 404, 406 that would likely be interested in the information about the event. The user 250 may accept or decline the invitation based on their interest in the event or situation. In one embodiment, the situation authority 207 may have the authority to override a decline by the user 250 in order to share vital information, as is described in more detail below.

[00147] A situation or event may be associated with more than one event node, hosted by the same or different trusted provider, within a SitNet. Each event node may provide a source of different information based on the specialty of the trusted provider. For example, a hurricane may be associated with a first event node by a provider of weather information, such as The Weather Channel, a second by a source of news information,

such as CNN, and a third by a source of emergency management information, such as FEMA. Within the SitNet, users may be connected to some or all of the event nodes corresponding to the situation in order to obtain and share the most relevant information pertaining to them.

[00148] Links established between the nodes in situational network may be temporally limited. The temporal limit of the links may be established at the event node 3010 based on a predicted or known duration of the event or situation. The temporal limit of a link may also be determined by the user. Links established between PIAs of SitNet users may also be temporally limited. For example, users with a first order link to each other that resulted from their connection to the event node may only wish to share information for the duration of the event. The link between the two users can be disconnected when either is disconnected or disconnects from the event node, or the link may have a pre-determined connection time, established by one or both users at the time of creating the link. Referring to Fig. 29, PIAs at nodes corresponding to Ted 3042, Fred 3040, and Ed 3041 are all connected to the event node 3010 along storm dimensions 3046, 3048, and 3043, respectively. Ed 3041 discovers Fred 3040 and a link along the storm dimension 3045 is established until either link 3048 or 3043 is disconnected.

[00149] In one embodiment, the temporal limitation of a link may be based on geographic location or itinerary of the user. For example, a PIA is connected to the SitNet by invitation or request. The position of the user is monitored using a geographic positioning device, such as a GPS system, which may be included in the PIA. The connection with the event node is maintained while the user is within a predetermined distance of the situation. This distance may be determined at the event node or by the user. Since the situation and the user may both be moving, it is possible that the user may be disconnected and reconnected to the SitNet over a period of time. If the position of the user exceeds the predetermined distance, the connection to the event node is terminated. For example, a user connecting to a SitNet related to a snow storm may be connected to the SitNet when his PIA determines he is in proximity of the snow storm based on current location coordinates of the user and the current location or forecast trajectory of the snow storm. The PIA may then disconnect or be disconnected from the SitNet when it has been determined that the user has a low probability of experiencing any further affects of the

snowstorm. In an alternate embodiment, the user is invited to connect to an event node of a SitNet based on their predicted proximity to a situation. If the user accepts the invitation, the position of the user is monitored as described above, and the connection to the event node is established when the location of the user is within a pre-determined distance of the situation.

[00150] In order to maintain links between the nodes belonging to users in the SitNet during an unintentional disconnection of the user nodes with the event node, such as failure or destruction of the systems hosing the event node, the users may choose to extend or renew the temporally limited link that would be terminated due to the disconnection from the event node to remain connected to each other in order to share and exchange information regarding the situation.

[00151] Links may also be created in a SitNet between users or between a user and the event node with a temporally limited raised affinity. If there are multiple dimensions connecting the users, the dimension related to interests in the event or situation (e.g., travel) may have a temporally raised affinity or a new temporally limited dimension with a raised affinity may be established. During the situation or event, users may have a greater need for information about the event or situation and are more likely to share or provide information to other users in the SitNet. The other dimensions, such as music or art, may have less importance during the situation or event, such that the user's PIA will utilize most if its resource sharing or searching for information about the situation or event. The raised affinity between the user devices 404, 406 is maintained for the duration of the connection of the PIAs with the event node server is shown, for example, in Fig. 37. The level of affinity may be changed based on the geographic proximity of the users. In an embodiment, the affinity is raised along the dimension for only some users in the SitNet, for example, users with PIA belonging to nodes of a particular projection of the SitNet.

[00152] A PIA connected to a SitNet may discover another PIA that it has previously established a connection with along one or several dimensions in an NDSN. The connection may be a first order connection, or the connection may be a higher order such that the two PIAs have never directly exchanged personal information. Based on the previous connection, the affinity along a dimension related to the situation may be

elevated or raised for a period of time that the two PIAs are connected to the event node of the SitNet, or a new temporally limited dimension with an elevated affinity may be established. The degree of separation may also be decreased to a first order connection if the two PIAs have not previously communicated directly.

[00153] Referring again to Fig. 29, Ted 3042 and Fred 3040 have previous links (shown by the solid lines) along the dimensions of hobbies 3044 and travel 3047. Upon discovering that they are connected to the event node 3010 along the storm dimensions 3046 and 3048 (shown by the dashed lines), a new link between Ted 3042 and Fred 3040 along a storm dimension 3049 is established with an affinity higher than along either of hobbies 3044 or travel 3048 dimensions, as depicted with the thicker dashed line in Fig. 29. In one embodiment, the level of affinity is changed based on the proximity of the PIAs to each other, with a higher affinity being assigned as the proximity between the users decreases.

[00154] Users connected to an event node of a SitNet in an NDSN through a PIA may also request a "projected" view, also referred to as a projection, of the SitNet using procedures described above. The projected view may be created by a server 3011 at an event node as shown in Fig. 38. After receiving the projection from the event node server 3011, the PIA 404 may established connections with another PIA 406 included in the projection. Alternately, the PIA 404 of user 250 or a PIA 406 of a different user connected to the SitNet may create the projection. The projected view may be created along one or several dimensions of the NDSN. A user may want to share information with only a subset of the total number of users connected to the situational network, and thus may request or create a projection representing those other users that the user has the most interest in sharing information. For example, the user might request a projection for a SitNet based on location, allowing or requesting a connection with only those users in a certain zip code. As another example, a traveler connected to an event node for accident may want a projected view of the SitNet based on final travel destination in order to share or solicit alternate travel routes around the accident. The user may also share the projection with other users connected to nodes contained in that projection. An example of a geographic projection 3050 of nodes of a SitNet 3000 is shown in Fig. 30. The SitNet 3000 includes the 10 nodes labeled (a) through (j). Nodes a, b, c, e, f, and i are

included in geographic projection 3050 based on their location with respect to boundary 3052. An example of such a situation 3005 is a severe rain storm (the situation 3005) that poses a flood threat to persons located on one side of a river (the boundary 3052). A geographic projection 3050 is formed including only those nodes (labeled a, b, c, e, f, and i) where a user is threatened by flood waters. In one embodiment, a server at the event node of the SitNet creates a set of geographic projections of users connected to the SitNet 3000, and distributes those geographic projections to the appropriate PIAs of users in the corresponding locations based upon the node belong to the PIA being included in that projection. If a node of a PIA is included in more than one geographic projection (e.g., two different projections that include overlapping geographic areas), the PIA 400 may receive more than one geographic projection. This enables a targeted distribution of geographically relevant information, including advertisements, to the connected users by allowing critical information to be passed to users who will receive the most benefit from knowing that information. For example, during a severe winter blizzard, the local effects of the blizzard may vary considerably over the affected area. Some areas may be without power, while other areas may experience road closures. Information of each of these conditions can independently be reported to the relevant users, such as when power is expected to be restored or when the roads will be re-opened by creating projections of users for each of the affected areas.

[00155] A SitNet can be used to provide navigation information, such as potential navigation hazards, optimal routes, alternate routes, traffic conditions, or unexpected occurrences (i.e., a herd of cows blocking a country road). A navigator can create an event node corresponding to their probable itinerary, which includes start, intermediate, and ending locations, as well as travel routes. PIAs of other navigators can crawl the network to discover event nodes corresponding to their own itineraries in order to determine if any relevant information has been reported. Each navigator may have requirements for the information most relevant to their travel. Requirements include estimated maximum time of travel, avoidance of hazards or detours, preferred itineraries or routes, avoidance of particular areas or routes, need for special services, or need for child or pet friendly establishments. Information that may be provided includes messages or other communications originating from the navigator, and data provided by the vehicle

through on-board devices and sensors understood by one skilled in the art, such as vehicle speed, vehicle location, and travel itinerary and routes. The other navigators can then use this information in their navigation plans, such as estimating time of arrival, or adjusting the itinerary or route to avoid potential hazards or unexpected conditions. Navigation can include transportation by air, water, or land. As an example, a pilot in a small aircraft traveling from Philadelphia to Chicago creates an event node for his flight. The PIAs corresponding to pilots of several other aircraft connect to this node. Some are traveling nearly the same flight route as the pilot, others flying a reverse route from Chicago to Philadelphia, and some others having a route that will cross the first route at some time. The pilot who established the event node experiences severe turbulence at 20,000 ft over central Ohio and reports the turbulence to the SitNet through his PIA. The other pilots can make in-flight decisions to change their own attitude or heading based on this information. The other pilots also can share their information with other users of the SitNet that is not related to the turbulence over Ohio. For example, one pilot may report a strong northwestern headwind over Cincinnati, while another may report localized severe thunderstorm activity just north of Pittsburgh, allowing all the pilots of the SitNet to assess to their own flight routes in view of these potential reported hazards.

[00156] Another example of the SitNet 3000 in a travel related situation is shown in Fig. 28. Several travelers 3026, 3027, 3028, 3029 along a stretch of highway are sharing or probing for information related to a situation 3005, a snow storm, affecting travel along that highway using SitNet 3000. The situation authority 207 establishes an event node corresponding to the situation 3005 using the create use case. This event node may be identified with the highway number, a specific mile post along the highway, or even a specific exit along a highway. For example, the event node may correspond to Mile Marker 50 on Interstate 91 in Vermont, which may be particularly hazardous during a snow storm. Travelers may discover the event node server using the discover use case, or alternately may be invited to participate in the SitNet 3000 by the event node server using the invite use case if they are within a pre-determined distance from the event node identifier. The connect use case is included in both the invite and discover use cases. The travelers 3026, 3027, 3028, 3029 and the situation authority 207 share information related to the situation using the share use case. In the example of Fig. 28, some travelers (3027,

3028) have been invited to join the SitNet 3000 by the situation authority 207, while other travelers (3026, 3029) have joined the SitNet 3000 based on a discovery of the event node by their own devices. The situation authority 207 may be a trusted provider of weather or traffic information, or a state or local DOT, who can also augment the information shared between the travelers with the latest information regarding weather updates or real-time road conditions. In an alternate embodiment, an event node corresponding to the situation may be established by one of the travelers 3026, 3027, 3028, 3029 along the highway.

[00157] A situational network may be established to provide traffic information to connected users. Event nodes for receiving traffic information may be established for the occurrence of an accident, road construction, police or other emergency activities, or even a stretch of highway or city or zip code. The PIA of a traveler might be constantly crawling the NDSN to discover information related traffic conditions is proximity to the vehicle or in intended route of the vehicle to its destination. The source of the traffic information may be other users' PIAs reporting traffic conditions or information from a traffic or other agency such as a state or local Department of Transportation (DOT) that might provide traffic information. When the PIA receives information concerning a potential travel delay it alerts the user so the user can evaluate if an alternate route should be taken. In one embodiment, the PIA suggests an alternate route.

[00158] A SitNet may be used to provide common travel routes to users. This is especially useful to users that are unfamiliar with the roadways in the area where they are traveling and a situation such as an accident or road construction is blocking their only known route through the area. By connecting to a SitNet with other users familiar with local roads, the user may learn of the most time efficient alternate routes around the situation. Users may also discover popular short cuts through a normal congested area. In one embodiment, a traffic accident or construction zone is associated with the event node of a SitNet. The event node is created by trusted provide, such as a traffic agency or state or local DOT. Pre-determined alternate routes may be stored in a database connected to a server associated with the host of the event node. A user is connected to the event node may be presented with alternate routes based on their current location and destination.

[00159] A situational network can be established for users traveling to and/or from the same location. A PIA for one of the users may crawl the network looking for other PIAs that have information indicative of an expected travel to or from the same location on or around certain range of dates. The user may be offering a ride to the location or seeking a ride to the location. If the PIA discovers one or a set of other PIAs, it may invite the other users of other PIAs to connect to the network to determine the feasibility of sharing transportation, which may include all forms of air, water, or land transport. In one embodiment, the situational network is encompassed by a PIA associated with a shared vehicle, such as car shares that are popular in many urban areas. A user's PIA can determine availability of vehicles in the area parked in their home space, or they might be able to obtain availability of a vehicle that was signed out by someone else but it might be available for a short time from a different location while the users that checkout the vehicle are not using the car.

[00160] Users can access information regarding travel delays using a PIA connected to an event node of a SitNet. The event nodes can correspond to commercial transportation routes, such as a scheduled commercial airline flight, a specific commuter train or bus run, can be established by a transportation company, DOT, or traffic reporting agency. In an embodiment, the event node is created by a traveler. An event node can also be established for a highway accident or road construction event. A user can request a connection to a server corresponding to the event node in order to obtain most recent arrival time or delay time estimated for the situation corresponding to that event node. Alternatively, a user's PIA may automatically connect to the event node, such as the event node for a commuter train that the user's spouse likely uses everyday. The user's PIA would then alert the user if there is any expected delay in the arrival of the commuter train. Similarly, a user can request a connection to an event node established for a commercial airline flight. The connection would allow the user to be updated of most recent flight status for that particular airline flight. Travel delay notifications can also be reported for highway delays, such as those caused by accidents or road construction. A user expecting guests might request that her PIA crawl the network and seek event nodes related to expected travel routes for the guests and automatically notify her if there are any unexpected delays.

[00161] A situational network may be used to broadcast emergency information to users connected through into the situational network. In one embodiment, a user's home page is automatically re-directed to a website where most current information regarding the emergency event can be found. Similarly, emergency information can be directed to users' cell phones and PDA's. In an alternate embodiment, the emergency information provider establishes an event node of the situational network. A user is invited to connect to the event node to receive updated information. Once the user accepts the invitation, new updates are automatically delivered to the user as they are made available. In one embodiment, the server at the event node has the authority to override a declined invitation to connect to the event node. In order to protect personal privacy to the greatest extent possible, such an override utility might be limited to be activated by a very select few individuals or trusted providers and can be activated only in the direst of emergency situations, such as when imminent loss of life may be a probable result of the event or situation.

[00162] Referring to Fig. 24, a situational network may be formed for an emergency event or situation. The SitNet 3000 for the emergency event may have multiple tiers or access levels to allow for more effective sharing and propagation of information between users of the SitNet 3000. A first level of access (L1) 3034 is provided to L1 users 3030 such as emergency responders. Emergency responders include entities such as fire, police, EMT, and rescue personnel at or in transit to the location of an emergency. Emergency responders may also include government (e.g., FEMA) or other emergency management agencies that may be involved in crisis management during a disaster. A 911 dispatcher or medical personnel may also be granted L1 access to the SitNet 3000. A second level of access (L2) 3036 is provided for L2 users 3031, such as those individuals with a physical proximity to the emergency event. These individuals are also referred to as affected individuals. For example, those in the forecast track of a hurricane, those enveloped by the hurricane, and those in the wake of the hurricane are all classified as affected individuals and granted L2 access to the SitNet 3000. Similarly, those within a certain radius of the epicenter of an earthquake may be classified as affected individuals and granted L2 access to a SitNet 3000 established in response to the earthquake. A third level of access (L3) 3038 is provided to L3 users 3032, such as relief agencies and those

materially affected by the disaster. Examples of organizations or individuals who might be granted level 3 access include The American Red Cross, insurance companies and their adjustors, and those individuals with family or property in the affected location who do not reside in the affected area (those residing in the affected area have L2 access). The different levels of access allow for efficient sharing of the most relevant information between the different individuals directly and indirectly involved in the SitNet 3000. L1 access allows emergency responders to access to information shared between all members of the SitNet 3000, plus provides a trusted connection for emergency responders to share information that may be critical in providing emergency service to the L2 individuals. L2 individuals can provide location information that may be useful for a rescue or conditions inside the situation or event that may be invaluable or otherwise unknown to emergency responders. The different levels of access can also allow for the most effective use of limited network resources, such as bandwidth, that may result from situation or event, for example ensuring that L1 access has the greatest resource allocation so that emergency responders can exchange vital information regarding the situation. In an embodiment, information in the emergency event SitNet 3000 is exchanged using the PIAs corresponding to the different individuals participating in the event or situation. A PIA corresponding to a user with L1 access may a have a higher affinity along the dimension related to the emergency event to anther L1 access PIA that it would have with L2 or L3 access PIA, allowing the more efficient and trusted sharing of information among the emergency responders.

[00163] Information shared by the various individuals participating in the event or situation may include audio and video data. This audio and video data can be aggregated by a server, which in one embodiment may correspond to the event node of the SitNet, to provide a geographic "snapshot" of the situation. By tagging each piece of video or audio data with a location and time coordinates, it is possible to create a spatial map of the situation. The time evolution of the situation can be obtained by aggregating the geographic snapshots for different times. Access to the geographic snapshot data is unrestricted for emergency responders with L1 access to the SitNet. Limited access to the geographic snapshot data may be provided individuals with L2 or L3 access, depending on bandwidth available within the SitNet. An external portal, such as an Internet website,

may be established by a situation authority for the emergency event where some or all of the geographic snapshot data is made available, if system and network resources permit, to persons not connected to the SitNet.

[00164] A "roll-call" or "check-in" feature can be included in a situational network for a disaster or emergency event to establish a list of persons that might be missing or need assistance. A server corresponding to the event node of the situational network may invite users determined to be physically threatened by a disaster or emergency event to check-in. The server or CIA of the event node 3010 may determine which user PIAs to contact through stored lists, such as apartment or office building occupancy record, or postal record for streets or zip codes. Those people identified with a PIA are sent an unsolicited message to reply if they are alright, also referred to a positive response. A user may also respond to the check-in that they need assistance and provide location information to emergency responders. Non-responding PIAs are reported to emergency management officials to decide what further actions may be required to locate those individuals. Referring to Fig. 32, a PIA 400 displays an alert warning 3070 requiring user input that they are either ok 3074 or need assistance 3072. The user may also be presented with an option to display the current status of the roll call list 3076 so the she may be able to provide information on users that have not responded to the roll call query. In the example of Fig. 32, "Building Property Management" has provided a list of building occupants for "1 Tower Place" to the trusted provider "Springfield Fire Company" which has established an event node and provided the roll call query to the PIA.

[00165] A situation authority or trusted provider establishing an event node 3010 for a server that hosts the roll call or check-in feature described above may provide a searchable message board to users connected to the SitNet as well visitors not connected to the SitNet that allows sharing of information about individuals in the SitNet 3000 with persons outside the SitNet. Referring to Fig. 40, Situation Authority 207, User 1 254, and User 2 256 are connected through a situational network. Visitor 3 258 is not connected to the situational network, but can access certain information made available by the situation authority via the message board, and post comments viewable by the participants of the situational network. The searchable message board may be used as in interface to gain access to information from one or more situational networks for

different emergency events or disasters. Referring to Fig. 33, the message board 3080 may be accessible by a website on the internet (outside the SitNet). A visitor to the website can search 3082 the message board for information related to a specific situation or event. The information may be tagged with a location coordinate so that check-in and other information can be searched and obtained down to a zip code, street or even individual household level 3084. The searchable message board also allows visitors not connected or unable to connect to the SitNet the opportunity to post 3088 or view 3086 messages that are relevant to a specific situation, such as searching for information on a missing family member or friend. Other visitors with information about the situation can respond to those messages with any information that they can share. In one embodiment, the most recent roll-call list for the search criteria entered by the visitor is available using a link 3089 on the webpage.

[00166] During a disaster or crisis, relief agencies may establish a node of a SitNet 3000 for rapid deployment of emergency information. The server of the relief agency obtains the list of users connected to the SitNet 3000 from the server encompassing the event node 3010 corresponding to the situation. From this list, the relief agency can determine which users are likely affected by the disaster and invite those users to establish a connection with a node associated with the relief agency. The relief agency may also be able to determine to what goods and services are most needed in different areas based on information about the users obtained from stored profiles. The relief agency may then provide information such as nearest shelter, location where emergency supplies are being distributed, or service or goods providers may still be in operation. The user may also be able to provide information to the relief agency such as what services or utilities are still available at their location, what type of relief supplies are most needed, the extent of damage, etc. In one embodiment, the relief agency may be an insurance company, which provides claims information to it affected clients or a schedule of when and where adjustors will be visiting.

[00167] Referring generally to Fig. 42, targeted advertisements from an advertising entity 208 may be delivered to devices of users 254, 256 connected through a SitNet using profile and location information relating to the users 254, 256 collected by the situation authority 207, and determining an ad opportunity based on an affiliation

between the user and the situation. An affiliation that a user has with the situation is used as a basis for delivering the targeted advertisements. The affiliation between the user and the situation is determined from one or more factors, including but not limited to, proximity of the user to the situation, role of the user within the situation, affect of the situation on the user, affect of the situation on property of the user, and projection of the SitNet in which the user is included. In some cases, one of the preceding factors alone may not be sufficient to determine an affiliation of the user to the situation. Many users within the same proximity of a situation may be affected very differently by the situation. For example, a homeowner and vacationer within the same city may have very different needs during a weather crisis such as a hurricane, even though their proximity to the situation is essentially the same. Affiliation information may be determined in part by analyzing personal data about the user, such as contained in a stored profile or found in a PIA. Information about a user's actual or predicted location may also be used in determining the affiliation. Once the advertisements are selected for a user, the targeted advertisements may be delivered to users of the SitNet using methods well understood by one skilled in the art.

[00168] By way of example, referring to Fig. 27, individuals participating in a SitNet for a hurricane event are directed to a source of information, which may be a web page. Based on the affiliation of the user with the situation, an advertising entity associated with the SitNet may deliver target advertisement to each user. A homeowner in the direct path of the hurricane may be shown ad for a hardware store that still has an ample supply of plywood 3080. The targeted ads may be location based (e.g., in a zip code) so that all SitNet users do not rush to the same store which quickly will be depleted of its plywood supply leaving latecomers to undertake a costly and time-consuming hunt for the plywood elsewhere. A user perceived to be a traveler in the area of the hurricane may be displayed an advertisement for the nearest hotel with vacancies 3082. Someone with an interest in the hurricane, maybe with family members or friends in the area, who is connected to the SitNet but is not in proximity to the hurricane, may be delivered a targeted ad to donate to a relief fund 3084. In one embodiment, targeted advertisements are delivered when a user connects to the SitNet using a PIA based on access to personal information or a user profile on the PIA accessible by the targeting ad server. If access to

all personal information is restricted, the targeted ad service may display a default advertisement to the user. In an alternate embodiment, advertisements can be targeted for presentation to users connected through the SitNet using the projections of the SitNet. All users in one projection of the SitNet may receive different advertisements on their PIAs than users of a different projection of the SitNet based on targeted criteria specific for each of the projections. Targeting criteria may include, but are not limited to, type of situation, location of the situation, and aggregate projection user demographics, such as average age, median household income, a percentage of households with children.

[00169] A situational network may be used to effectively manage the distribution of information regarding availability of limited goods and services as a result of an event or situation, such as disruptive weather or natural disaster. Based on the locations of the users in the SitNet, goods and services can be offered to users participating in a SitNet. All the users within a certain nearby geographic proximity, such as a zip code, town, or street, to providers of the goods and services, may receive notifications regarding the availability of the goods or services at those locations. As a user changes position, updated information may be provided based on most recent location coordinates associated with the user. A change in availability of goods and services at different locations may also be provided to the users of the SitNet based on information provided by the providers of the goods and services themselves, or alternately, the users of the SitNet. As the supplies of the goods are depleted and services become unavailable, users of the SitNet are automatically notified of other nearby providers. Anticipated availability of good and services may also be distributed to the users of the SitNet in a similar manner. For example, in advance of a hurricane during a large-scale evacuation, gasoline may be in short supply. To compound this difficulty people may waste both gasoline and time searching for a location that is selling gasoline. By connecting to SitNet associated with the hurricane, users may be presented with the location of the nearest provider with a supply of gasoline, or alternately several nearby locations. In addition, nearby users may be presented with different lists of available filling stations to help reduce a rush to a single location by all the users that will soon deplete its gasoline supply as a result. When a filling station no longer has a supply of gasoline, users in the vicinity may be notified

based on information provided by the owner of the filling station, or by other users at that location who may have been waiting in line when the supply runs out.

[00170] In one embodiment, user profile information is used with the user location information to determine the nearest provider of goods and services that fulfill actual or perceived needs of the user. The user profile information can be stored on a user device, such as a cell phone or PIA, or at a central site, such as a server associated with a situation authority or communications provider. The user profile information may contain, but is not limited to, number and ages of individuals in the user's household, number and type of pets owned by the user, languages spoken, medical conditions of the user and his/her dependent (e.g., diabetes), and special services need by the user and his/her dependents (e.g., dialysis). Such information can be used in directing a user to a provider of the nearest service that fulfills some or all the needs of the user during or as a result of the situation. For example, during a hurricane evacuation, a user with two dogs can be directed toward the nearest evacuation center that accepts pets, which may not be the nearest evacuation center to the user if other centers that are closer do not accept pets.

[00171] In addition to the location of the nearest provider of goods and services, situational dependent information, such related hazards, can be distributed to the user. The related hazards may impede the user from gaining access to the goods or services, such as flooded or otherwise impassable roads on the most probable route to a storm evacuation center. In one embodiment, alternate routes to the provider of the goods or services are suggested, minimizing the hazards that a user might encounter enroute to obtain the goods or services.

[00172] Location based goods and service notifications may be delivered to user devices in a language that is understood by the user. The selection of the language in which to deliver the notification may be based on information contained in the user profile. The user may have previously selected the delivery language which is then stored in the user profile, or the notification sender may automatically determine the delivery language based on the personal information contained in the user profile.

[00173] Notifications of the service may be delivered on GPS-enabled portable device, such as a cell phone or PDA, so that a traveling user can receive notifications of services most relevant to his current location. In one embodiment, the portable device, can notify

the provider of the service that the user in enroute, including any special considerations, such as those included in the user profile. The user may also communicate additional special considerations, such as injuries or special needs, to the service provider.

[00174] In an alternate embodiment, location based services can be offered to users connected to an event node of a SitNet using a PIA. Using positional coordinates associated with the user of the PIA, a server located at the event node can create a set of projected views of the SitNet, such that the nodes in each of the projected views of the SitNet are within close geographic proximity, such as a zip code, town, or street. A distribution of providers of limited goods and services that might be available after the occurrence of a situation or event can then be delivered in a targeted manner to the users of the SitNet using the projected views. As the users' location changes, location coordinates are provided to the event node server so that the projected views are updated, and user always receives the most up to date location based service information for their current location.

[00175] A situational network can be used to efficiently deliver and propagate a message or notification from a single user related to a situation or event to an expanded group of individuals who are directly or indirectly affected by the event or situation. The message may be created and distributed by a situation authority, or alternately created by an individual in response to receiving information about occurrence or expected occurrence of the situation. Each recipient of the message or notification may have pre-defined groupings of other users, such as family, friends, co-workers, neighbors, etc, so that an incoming notification can be forwarded to only to the selected groups of users. The groups that are displayed to the user for propagation of the notification may be dependent on the situation, with the displayed groups either being pre-selected by the user or determine automatically by the receiving device, which in one embodiment is a PIA and the groups correspond to users at nodes in an NDSN. For example, a user will likely need to notify one set of groups of users in their NDSN if school is being closed, and another set of groups of users if she is delayed by a traffic accident. Automatic determination of groups may be accomplished via creating projections of the PIA user's NDSN that are relevant to the situation of the incoming notification, for example, projections along the dimensions corresponding to family, friends, or business contacts.

[00176] A user can create separate notifications that are added to the message for each group before forwarding the message. The notifications for each group are separately composed on a device used to propagate the message before the message is forward to the different groups. The notifications are all preferably composed on a single screen of the device. The message and the corresponding notifications composed on the device are then all transmitted to the users of the selected groups at substantially the same time using a single action on the device such as actuating an actuator of the device. The single action on the device causes each notification composed on the device to be attached to the message, and subsequently transmitted to the appropriate users for each group. Examples of actuators include mechanical buttons or touch sensitive display panels. In an embodiment, the user may also reply to the sender of the message with a personal response. The reply may be transmitted using the same single action as described above, or transmitted at a separate time using a different action on the device.

[00177] Notifications may be distributed in the SitNet 300 using a peer to peer connections, or through connections to a centralize service, such as one that includes the situation authority.

[00178] Referring to Fig. 25, a school district superintendent creates a node in the situational network using a PIA 3060 to inform a group of users that school will be closed tomorrow. He creates a message 3066 that is propagated to a first set of users in selected groups (teachers, staff, parents, and snow removal). In this example, the groups are selectable by the superintendent, and different notifications are added to the message for each group, and propagated using the [NOTIFY] actuator 3068 on the PIA. The superintendent has chosen not to inform the superintendents of other school districts of his decision, overriding the automatic selection of that group by the PIA. Jane Doe, a parent who has a child in the Springfield School District receives the message from the superintendent on her PIA 3062, which is included in her cell phone. She propagates the message to her pre-defined group of users with additional notifications, also using the [NOTIFY] actuator 3068. Jane Doe's friend receives the original message 3066 propagated through Jane Doe's PIA 3063 on her PIA3064, which is included in her PDA with an additional notification 3069 added by Jane Doe. She replies 3067 to Jane Doe's

notification using the [REPLY] actuator and notifies her friends using the [NOTIFY] actuator 3068 that she will be at Jane Doe's house tomorrow.

[00179] A situational network may be established where the situation is a social event, such as a concert or festival. Users attending the event are alerted when other members of the NDSN are also in attendance at the same event. In one embodiment, the situational network is a proximity based network. Users are alerted to the presence of other members included in their NDSN by their PIA when they are both in attendance at the same event based on the sharing of position coordinated between the PIAs. In one embodiment, the situational network is used to facilitate personal introductions. A user's NDSN may contain many contacts that are personally unknown to a user possible due to a higher order degree of separation in the NDSN or because of physical distance between the two users, but nonetheless the two users share an affinity along at least one dimension where they exchange personal information. When the two users are connected to the event node in the same situational network, and are or will soon be in close proximity, an alert may be presented by the users' PIAs so that the users may decide if they would like to meet in person. The PIAs may determine future proximity based on a common event scheduled in both calendars of the users PIAs. Instantaneous proximity may be determined by sharing location coordinates obtained using a geographic location device, such as GPS, included in the PIA. In one embodiment, a user pre-selects other users in their social network that are personally unknown to them and that they would like to personally meet. When those pre-selected individuals are in proximity, the user is notified of their location even in the absence of a connection to an event node. The connection between the two users creates a proximity situational network. For example, when two users' PIAs are crawling the NDSN and one discovers that the other is within a pre-determined range due to sharing of GPS position coordinates between the two PIAs, an alert can be sent to that user to facilitate a personal introduction between the two users.

[00180] Users interested in the same weather event may be connected in a situational network for social interaction. A user may be connected to this weather driven social network using a link on an internet site displaying information about that weather event. Other users can be connected to the same social network from different links on different websites also displaying information about the weather event. Referring to Fig 26, a user

interested in a forecasted snow storm may visit a webpage 3070 of a weather website for weather information related to that event. When viewing the weather event details page 3072, the user interested in skiing at a popular ski destination may click on a link 3074 and be connected to a centralized social networking website 3076 related to the weather event. The social networking website allows users to share and exchange information for a number of topics including lodging, transportation, social events, or popular meeting locations. Alternately, the PIA may be used to connect to an event node server of the situational network for the weather event, or the PIA may create a node for the weather event. The user may invite other users with similar interests to join the SitNet using the PIA. Additionally, the user's PIA may also crawl the network along a dimension in its NDSN, such as outdoor activities, to discover other users interested in the weather event and request a connection. The SitNet established in the NDSN though the PIA may be used to share information similar to that obtained on the website discussed above, but the information is shared in a peer to peer manner instead of controlled by a centralize source.

[00181] Those skilled in the art will recognize that the interactions employed to perform the various functions associated with the SitNet 3000, PIA, CIA and the NDSN (Discover, Connect, Invite, Configure, etc.) may be executed in a variety of ways not limited to the examples described herein.

[00182] Fig. 22 illustrates a block diagram of a computer system 1150 for realization of a computer-implemented apparatus that may form all or a part of one or more implementation(s) or embodiment(s) of the present invention. The computer system 1150 includes a computer 131, a keyboard 132, a mouse 133, and a monitor 134. The computer 131 has a network port 138 for connecting to the computer network 900 (not shown). The computer 131 is connected to a storage device 135 which contains the program instructions 136 for the software application that provides the logical functions of the computer-implemented apparatus. The storage device 135 also contains a database 137 for storing data.

[00183] Those skilled in the art will recognize that the program instructions 136 for software applications implementing all or a portion of one or more embodiment(s) of the present invention may be written in a programming language such as Java or C++, and

that the database 137 may be implemented with a database package such as Microsoft Access™ or a database management system (DBMS) such as Microsoft SQL Server™, Microsoft SQL Server CE ™, IBM DB2™, mySQL or postgreSQL.

[00184] Fig. 23 illustrates a block diagram of the computer 131. A system bus 1002 transports data amongst the Central Processing Unit (CPU) 1004, RAM 1006, the Read Only Memory Basic Input Output System (ROM-BIOS) 1008 and other components. The CPU 1004 can contain a cache memory component 1024. The computer 131 may include one or more external storage ports 1017 for accessing a hard disk drive, optical storage drive (e.g., CD-ROM, DVD), flash memory, tape device or other storage device (not shown). The relevant storage device(s) are connected through the external storage port 1017 which is connected to the system bus 1002 via a disk controller 1022. The keyboard 132 and the mouse 133 can be connected to the keyboard port 1012 and mouse port 1013, respectively, which are connected to the system bus 1002 through the I/O controller 1010. The monitor 134 can be connected to a monitor port 1014 which is connected to the system bus 1002 through the video controller 1015. A network device (not shown), including but not limited to an Ethernet device or other device having networking capability, can be connected to the network port 138 which is connected through the network controller 1016 to the system bus 1002. Additional ports, such as parallel or serial ports (not shown), may be utilized through the I/O controller 1010. The computer 131 may include one or more USB ports 1023. A USB device (not shown), including but not limited to a printer, scanner, keyboard, mouse, digital camera, storage device, PDA and webcam, can be connected to the USB port 1023 which is connected to the system bus 1002 through the USB controller 1011. Expansion slots 1018 can be comprised of Industry Standard Architecture (ISA) slots, Peripheral Component Interconnect (PCI) expansion slots, PCI Express expansion slots, Accelerated Graphics Port (AGP) slots or any other slot generally known in the art to allow additional cards to be placed into the computer 131. These slots can be used to connect network cards, video cards, sound cards, modems and any other peripheral devices generally used with a computer. Detailed descriptions of these devices have been omitted for convenience only and should not be considered limiting.

[00185] Those skilled in the art will recognize that a part of, or the entirety of, the embodiments of the present invention may be implemented as a web-based application that includes a web server and a browser application residing on a client computer.

[00186] The embodiments of the present invention may be implemented with any combination of hardware and software. If implemented as a computer-implemented apparatus, the present invention is implemented using means for performing all of the steps and functions described above.

[00187] The embodiments of the present invention can be included in an article of manufacture (e.g., one or more computer program products) having, for instance, computer useable media. The media has embodied therein, for instance, computer readable program code means for providing and facilitating the mechanisms of the present invention. The article of manufacture can be included as part of a computer system or sold separately.

[00188] While specific embodiments have been described in detail in the foregoing detailed description and illustrated in the accompanying drawings, it will be appreciated by those skilled in the art that various modifications and alternatives to those details could be developed in light of the overall teachings of the disclosure and the broad inventive concepts thereof. It is understood, therefore, that the scope of the present invention is not limited to the particular examples and implementations disclosed herein, but is intended to cover modifications within the spirit and scope thereof as defined by the appended claims and any and all equivalents thereof.

CLAIMS

What is claimed is:

1. A network system for accessing situation related information, the system comprising:

a network connection for receiving an indication of an occurrence of a situation;

a situational network formed based on the occurrence of the situation, the situational network including a plurality of participant devices determined to be geographically proximate to the situation, each of the participant devices corresponding to a participant in the situational network;

a second network connection for presenting a roll call query to each of the plurality of participant devices soliciting a reply related to a status of the participant;

a plurality of network connections established for receiving a status response from the participant devices; and

a database for aggregating the status responses from responsive participants into a roll call list.

ABSTRACT

A network system for accessing situation related information is disclosed. In one embodiment, the system includes a network connection for receiving an indication of an occurrence of a situation; a situational network formed based on the occurrence of the situation, the situational network including a plurality of participant devices determined to be geographically proximate to the situation, each of the participant devices corresponding to a participant in the situational network; a second network connection for presenting a roll call query to each of the plurality of participant devices soliciting a reply related to a status of the participant; a plurality of network connections established for receiving a status response from the participant devices; and a database for aggregating the status responses from responsive participants into a roll call list.

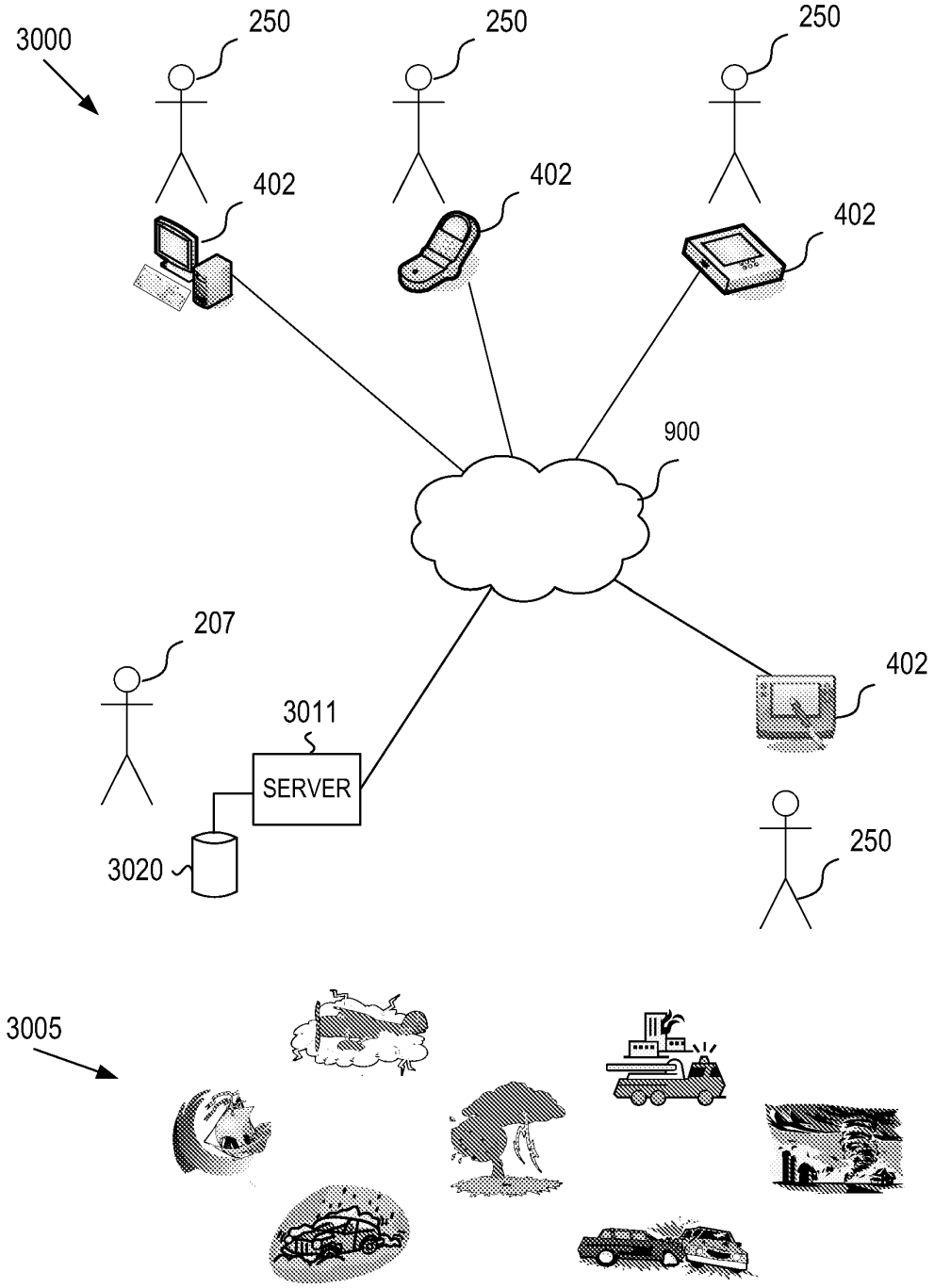

3000
250
250
250
402
402
402
900
207
3011
SERVER
402
3020
250
3005

Fig. 1

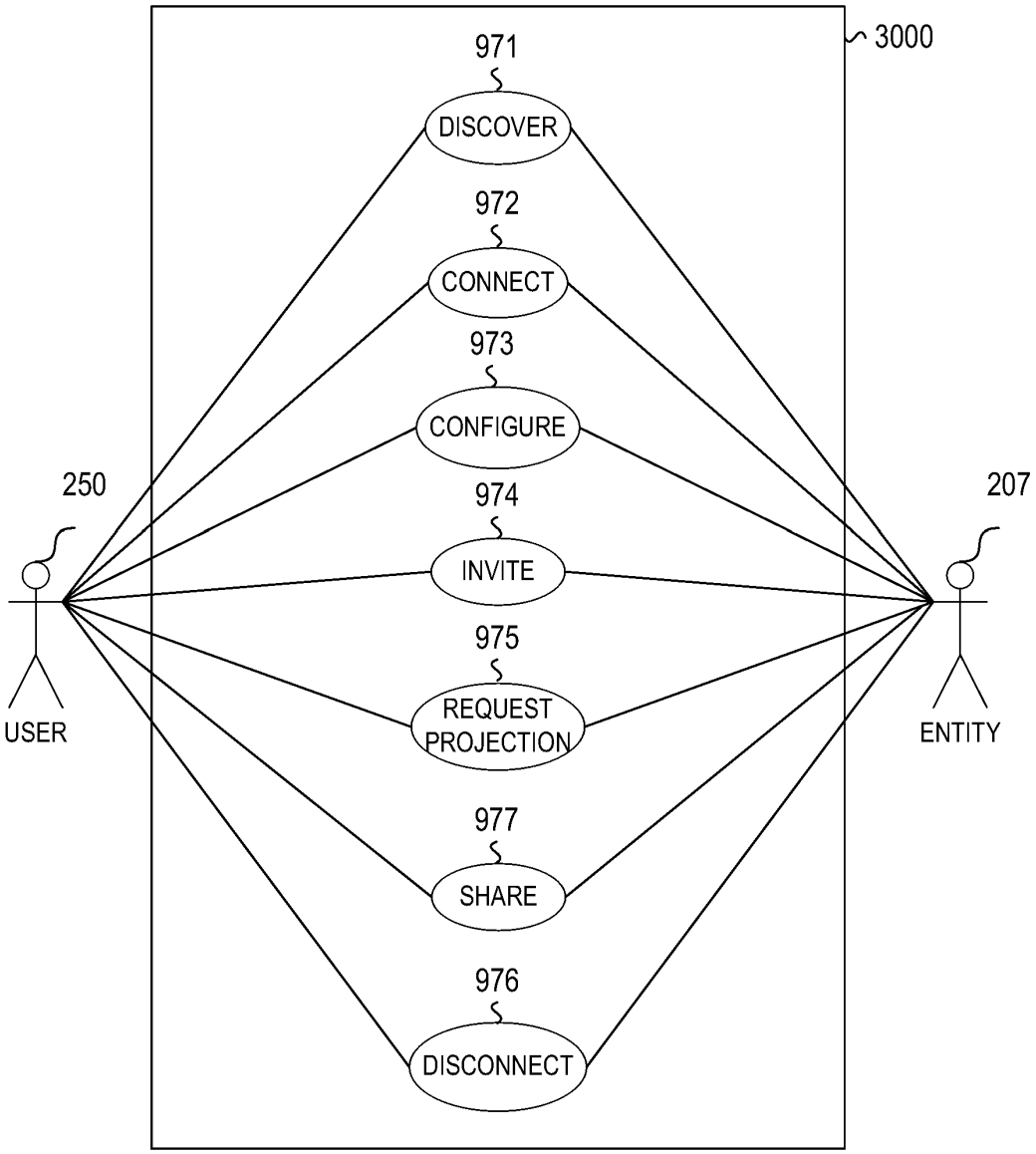

3000
971
DISCOVER
972
CONNECT
973
CONFIGURE
974
INVITE
975
REQUEST PROJECTION
977
SHARE
976
DISCONNECT
250
USER
207
ENTITY

Fig. 2

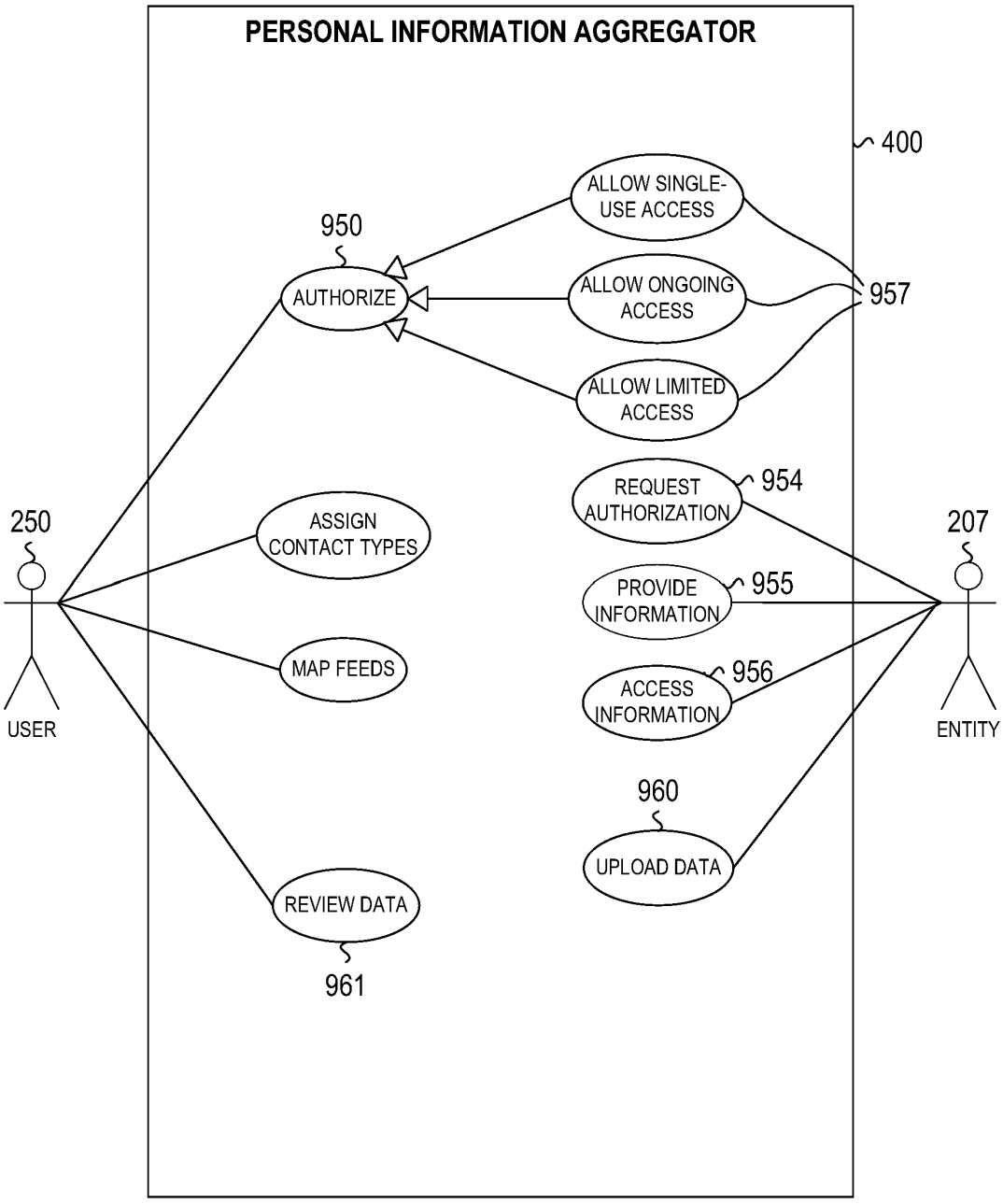

PERSONAL INFORMATION AGGREGATOR
400
ALLOW SINGLE-USE ACCESS
950
AUTHORIZE
ALLOW ONGOING ACCESS
957
ALLOW LIMITED ACCESS
REQUEST AUTHORIZATION
954
250
ASSIGN CONTACT TYPES
207
PROVIDE INFORMATION
955
MAP FEEDS
ACCESS INFORMATION
956
USER
ENTITY
960
UPLOAD DATA
REVIEW DATA
961

Fig. 3

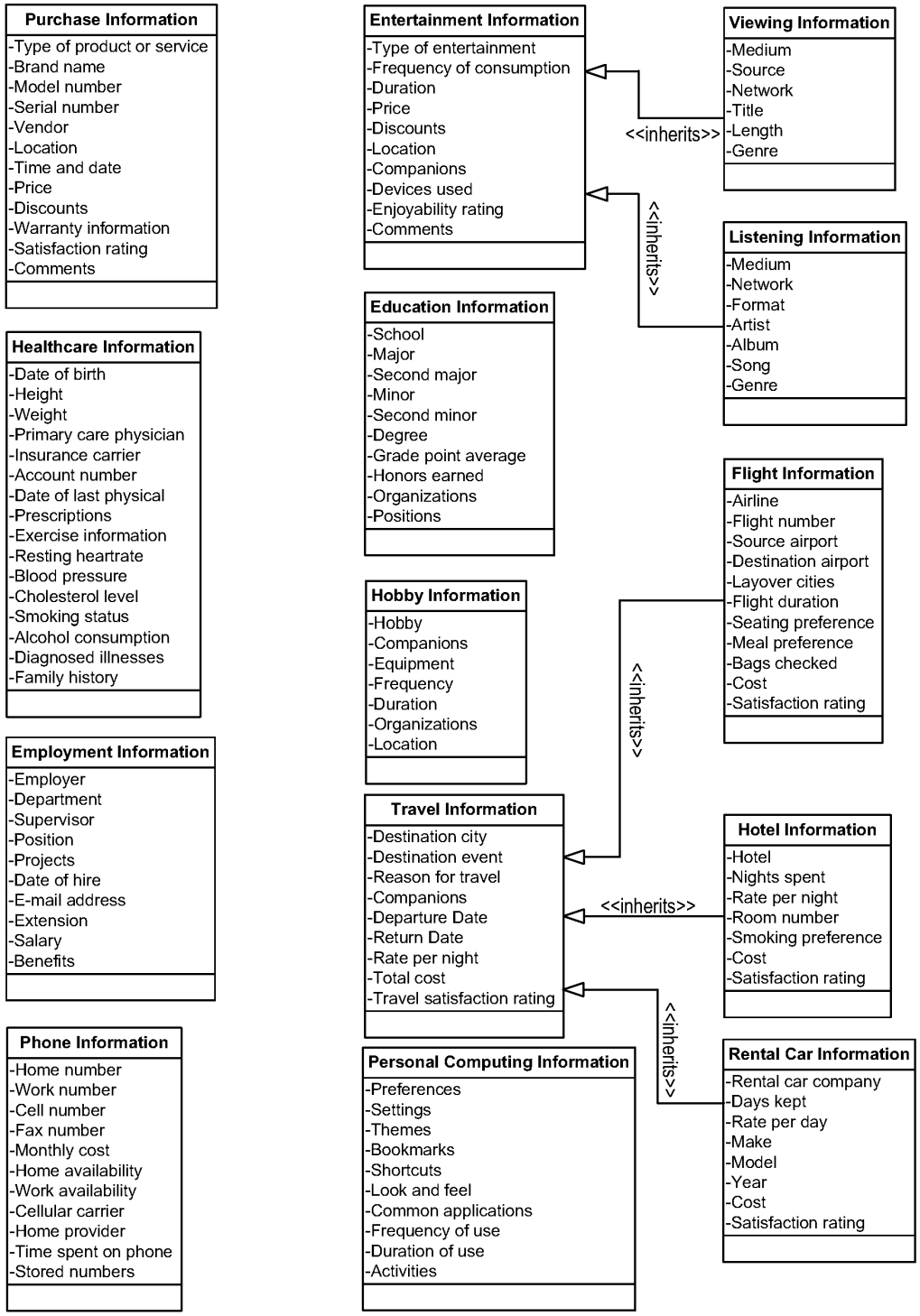

Purchase Information
-Type of product or service
-Brand name
-Model number
-Serial number
-Vendor
-Location
-Time and date
-Price
-Discounts
-Warranty information
-Satisfaction rating
-Comments
Healthcare Information
-Date of birth
-Height
-Weight
-Primary care physician
-Insurance carrier
-Account number
-Date of last physical
-Prescriptions
-Exercise information
-Resting heartrate
-Blood pressure
-Cholesterol level
-Smoking status
-Alcohol consumption
-Diagnosed illnesses
-Family history
Employment Information
-Employer
-Department
-Supervisor
-Position
-Projects
-Date of hire
-E-mail address
-Extension
-Salary
-Benefits
Phone Information
-Home number
-Work number
-Cell number
-Fax number
-Monthly cost
-Home availability
-Work availability
-Cellular carrier
-Home provider
-Time spent on phone
-Stored numbers
Entertainment Information
-Type of entertainment
-Frequency of consumption
-Duration
-Price
-Discounts
-Location
-Companions
-Devices used
-Enjoyability rating
-Comments
Viewing Information
-Medium
-Source
-Network
-Title
-Length
-Genre
<<inherits>>
<<inherits>>
Listening Information
-Medium
-Network
-Format
-Artist
-Album
-Song
-Genre
Education Information
-School
-Major
-Second major
-Minor
-Second minor
-Degree
-Grade point average
-Honors earned
-Organizations
-Positions
Flight Information
-Airline
-Flight number
-Source airport
-Destination airport
-Layover cities
-Flight duration
-Seating preference
-Meal preference
-Bags checked
-Cost
-Satisfaction rating
Hobby Information
-Hobby
-Companions
-Equipment
-Frequency
-Duration
-Organizations
-Location
<<inherits>>
Travel Information
-Destination city
-Destination event
-Reason for travel
-Companions
-Departure Date
-Return Date
-Rate per night
-Total cost
-Travel satisfaction rating
Hotel Information
-Hotel
-Nights spent
-Rate per night
-Room number
-Smoking preference
-Cost
-Satisfaction rating
<<inherits>>
<<inherits>>
Personal Computing Information
-Preferences
-Settings
-Themes
-Bookmarks
-Shortcuts
-Look and feel
-Common applications
-Frequency of use
-Duration of use
-Activities
Rental Car Information
-Rental car company
-Days kept
-Rate per day
-Make
-Model
-Year
-Cost
-Satisfaction rating

Fig. 4

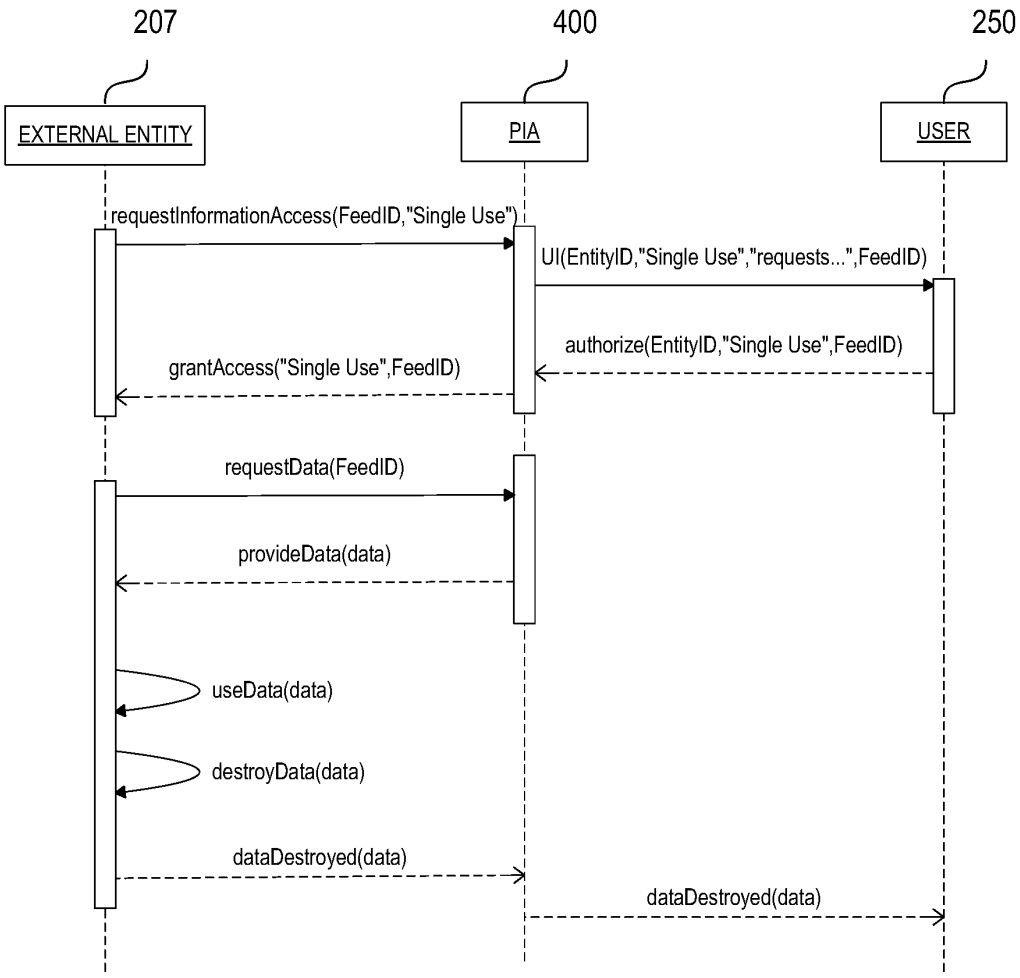

207
400
250
EXTERNAL ENTITY
PIA
USER
requestInformationAccess(FeedID,"Single Use")
UI(EntityID,"Single Use","requests...",FeedID)
authorize(EntityID,"Single Use",FeedID)
grantAccess("Single Use",FeedID)
requestData(FeedID)
provideData(data)
useData(data)
destroyData(data)
dataDestroyed(data)
dataDestroyed(data)

Fig. 5

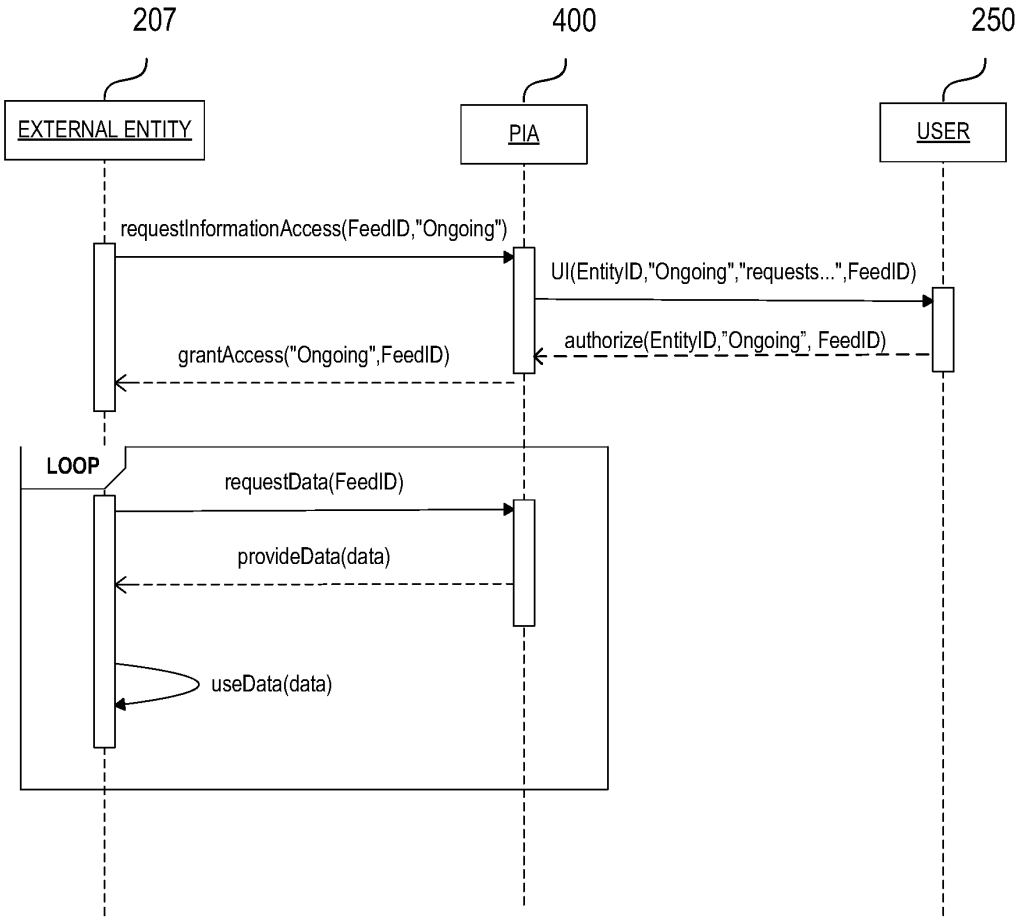

207
400
250
EXTERNAL ENTITY
PIA
USER
requestInformationAccess(FeedID,"Ongoing")
UI(EntityID,"Ongoing","requests...",FeedID)
authorize(EntityID,"Ongoing", FeedID)
grantAccess("Ongoing",FeedID)
LOOP
requestData(FeedID)
provideData(data)
useData(data)

Fig. 6

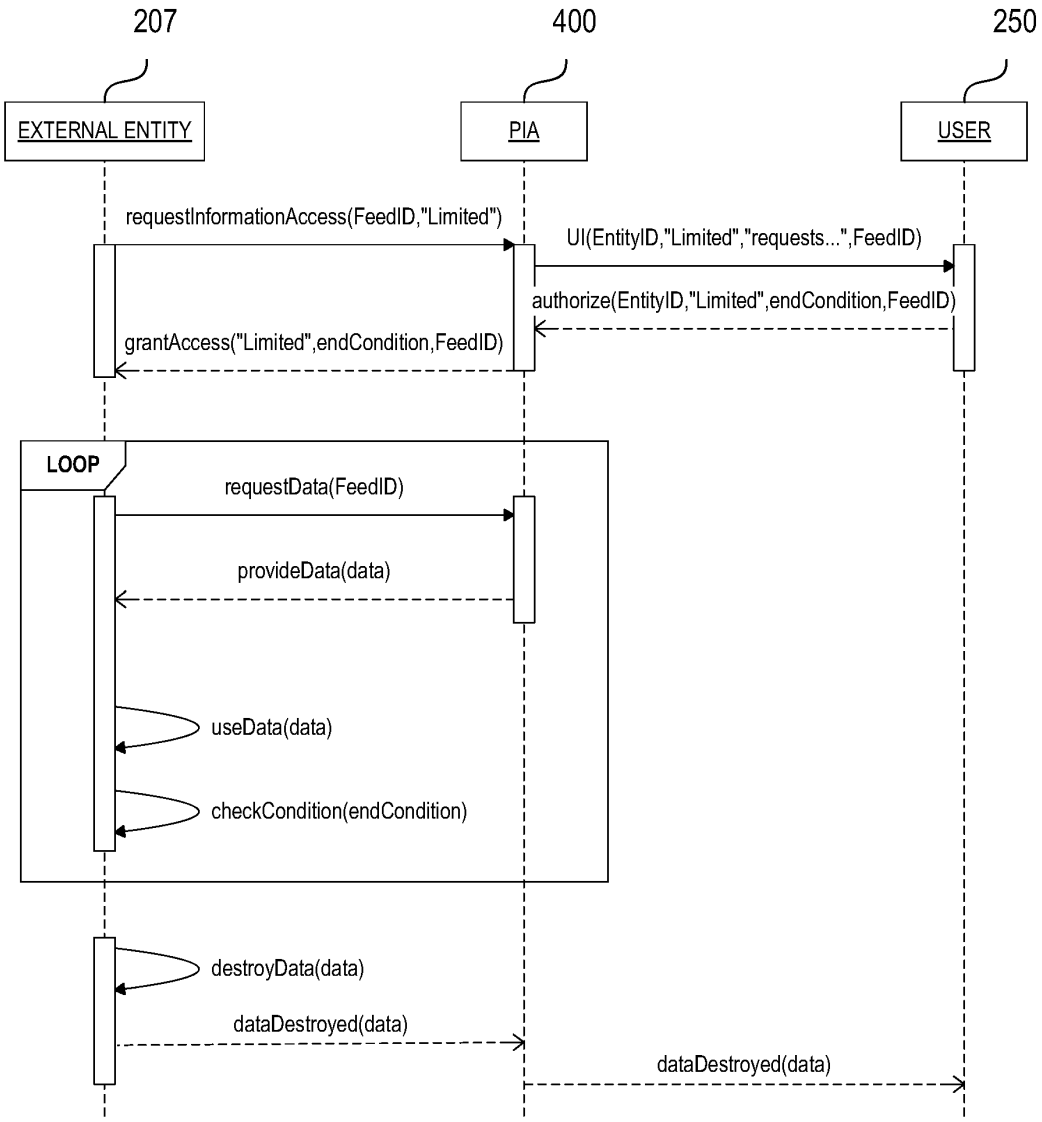

207
400
250
EXTERNAL ENTITY
PIA
USER
requestInformationAccess(FeedID,"Limited")
UI(EntityID,"Limited","requests...",FeedID)
authorize(EntityID,"Limited",endCondition,FeedID)
grantAccess("Limited",endCondition,FeedID)
LOOP
requestData(FeedID)
provideData(data)
useData(data)
checkCondition(endCondition)
destroyData(data)
dataDestroyed(data)
dataDestroyed(data)

Fig. 7

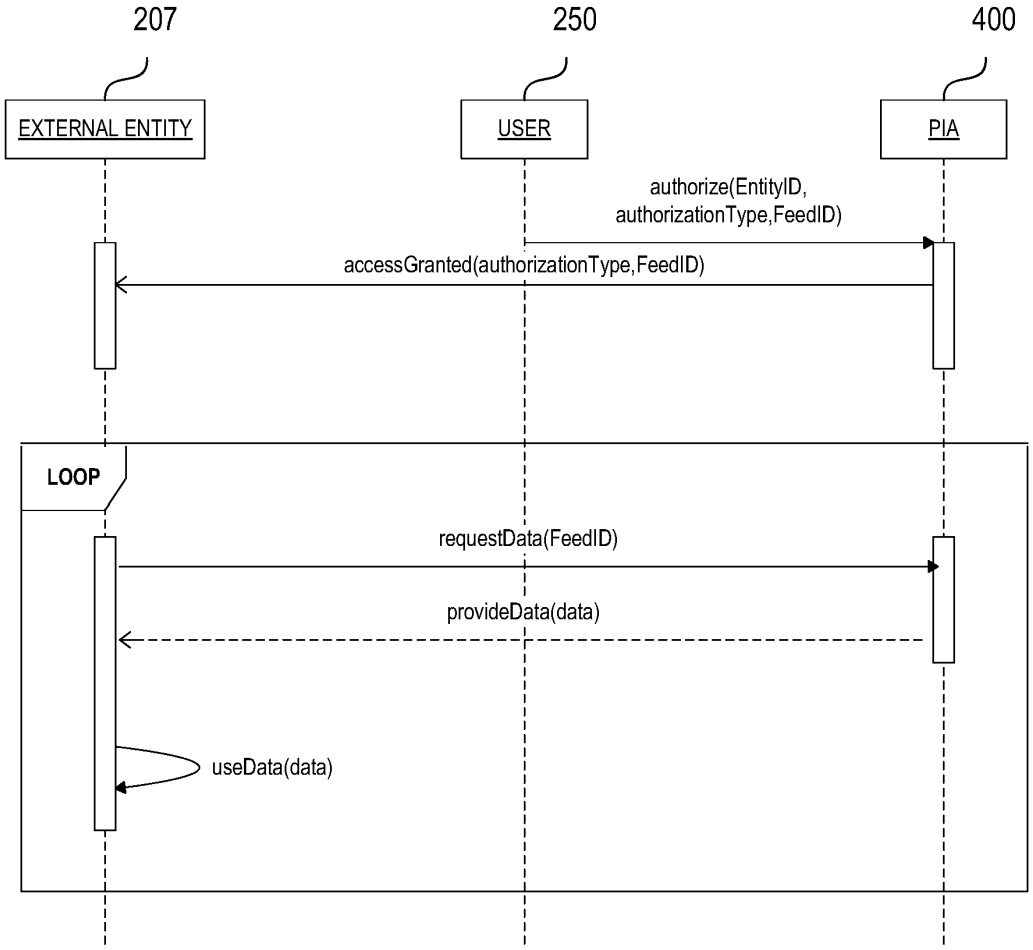

207
250
400
EXTERNAL ENTITY
USER
PIA
authorize(EntityID, authorizationType,FeedID)
accessGranted(authorizationType,FeedID)
LOOP
requestData(FeedID)
provideData(data)
useData(data)

Fig. 8

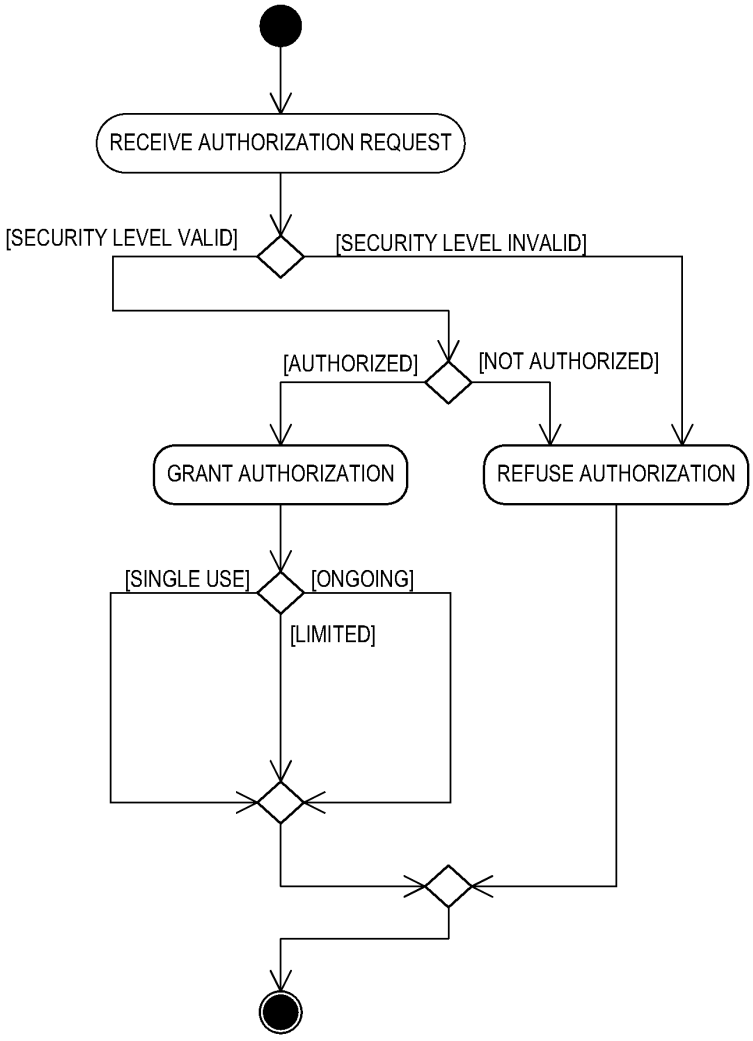

RECEIVE AUTHORIZATION REQUEST
[SECURITY LEVEL VALID]
[SECURITY LEVEL INVALID]
[AUTHORIZED]
[NOT AUTHORIZED]
GRANT AUTHORIZATION
REFUSE AUTHORIZATION
[SINGLE USE]
[ONGOING]
[LIMITED]

Fig. 9

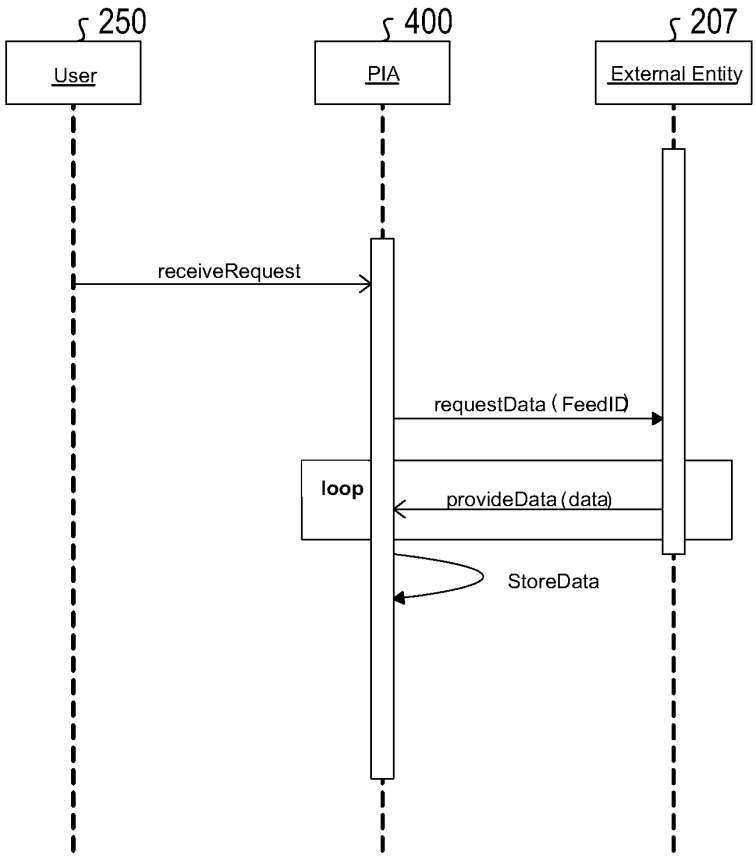

250
400
207
User
PIA
External Entity
receiveRequest
requestData (FeedID)
loop
provideData (data)
StoreData

Fig. 10

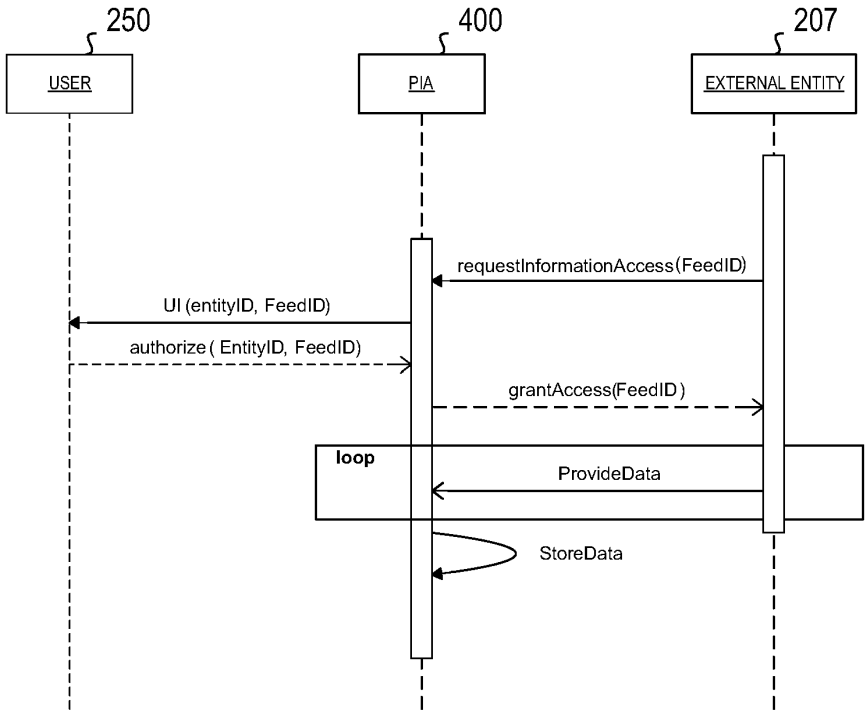

250
400
207
USER
PIA
EXTERNAL ENTITY
requestInformationAccess(FeedID)
UI (entityID, FeedID)
authorize (EntityID, FeedID)
grantAccess(FeedID)
loop
ProvideData
StoreData

Fig. 11

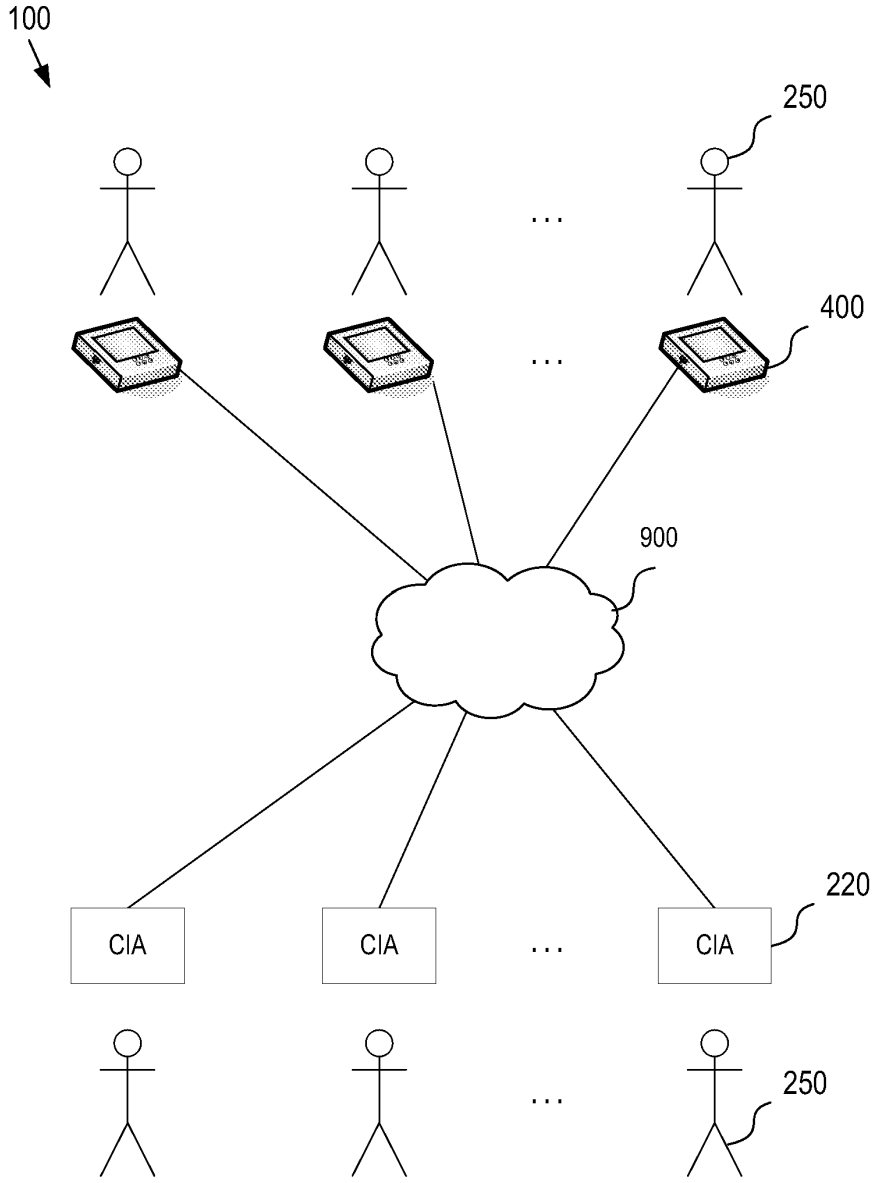


Fig. 12

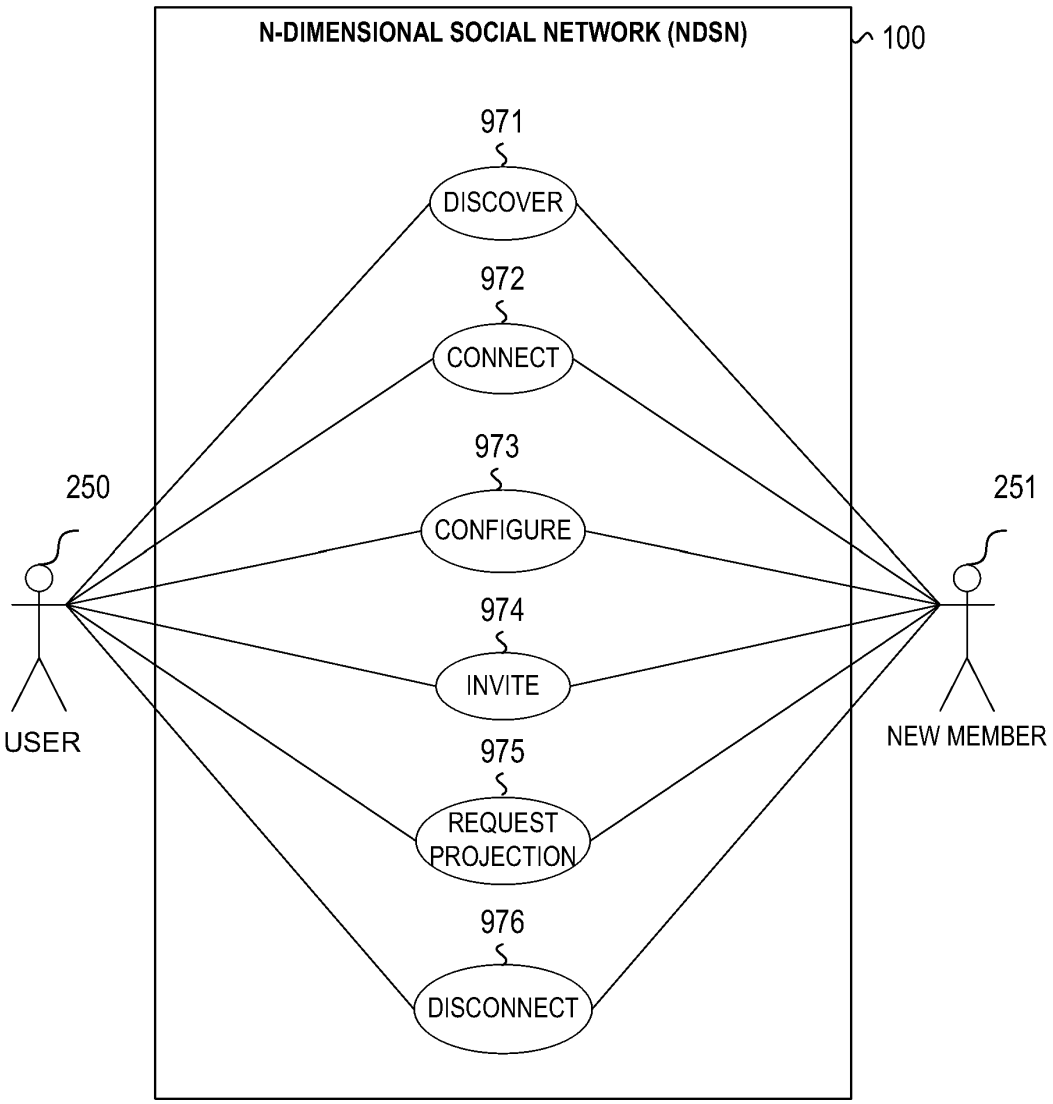

N-DIMENSIONAL SOCIAL NETWORK (NDSN)
100
971
DISCOVER
972
CONNECT
973
CONFIGURE
974
INVITE
975
REQUEST PROJECTION
976
DISCONNECT
250
USER
251
NEW MEMBER

Fig. 13

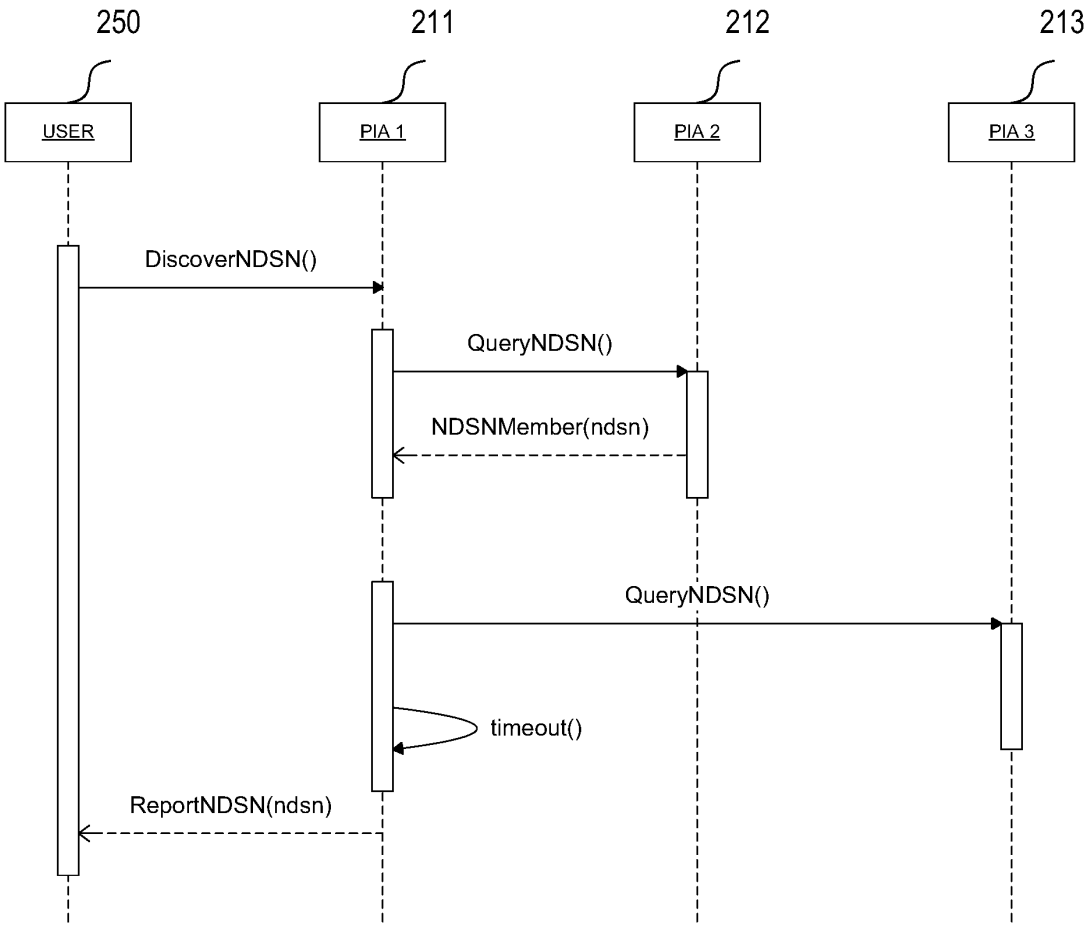

250
211
212
213
USER
PIA 1
PIA 2
PIA 3
DiscoverNDSN()
QueryNDSN()
NDSNMember(ndsn)
QueryNDSN()
timeout()
ReportNDSN(ndsn)

Fig. 14

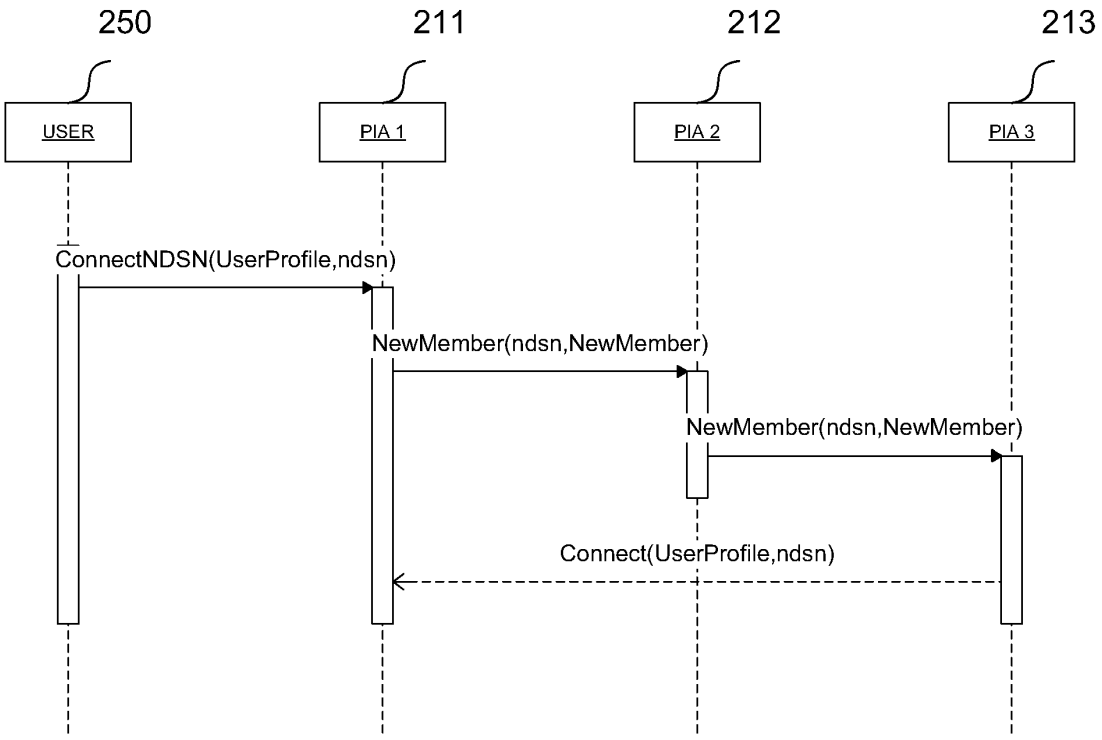

250
211
212
213
USER
PIA 1
PIA 2
PIA 3
ConnectNDSN(UserProfile,ndsn)
NewMember(ndsn,NewMember)
NewMember(ndsn,NewMember)
Connect(UserProfile,ndsn)

Fig. 15

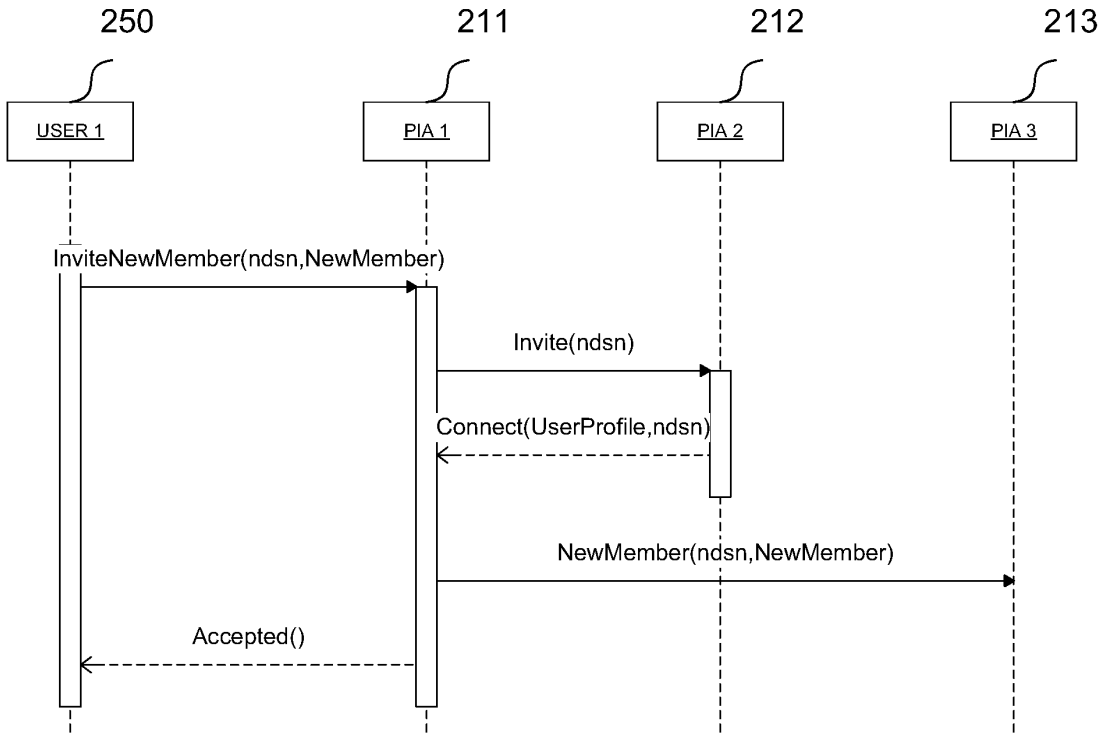

250
211
212
213
USER 1
PIA 1
PIA 2
PIA 3
InviteNewMember(ndsn,NewMember)
Invite(ndsn)
Connect(UserProfile,ndsn)
NewMember(ndsn,NewMember)
Accepted()

Fig. 16

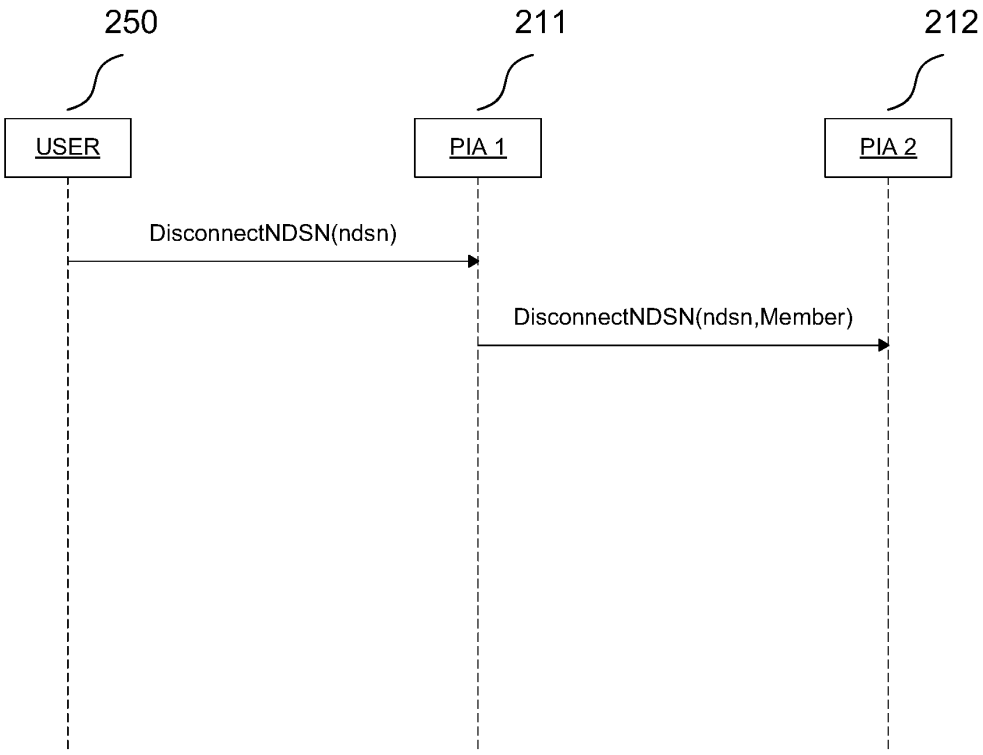

250
211
212
USER
PIA 1
PIA 2
DisconnectNDSN(ndsn)
DisconnectNDSN(ndsn,Member)

Fig. 17

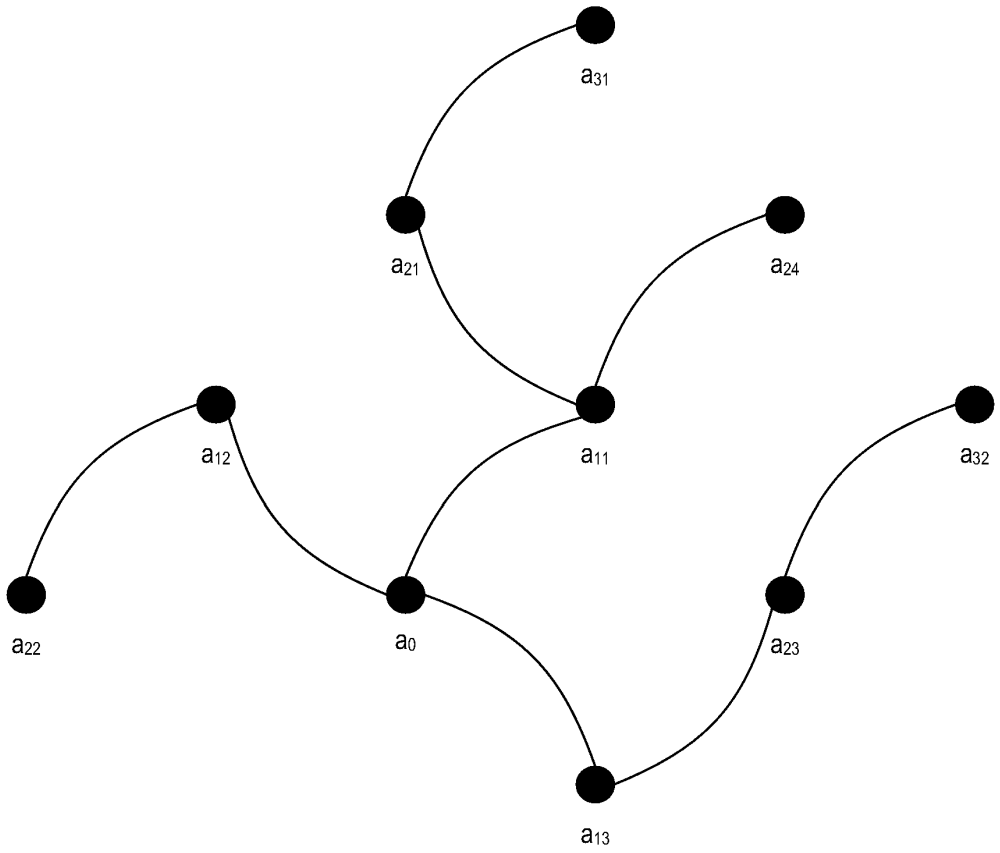


Fig. 18

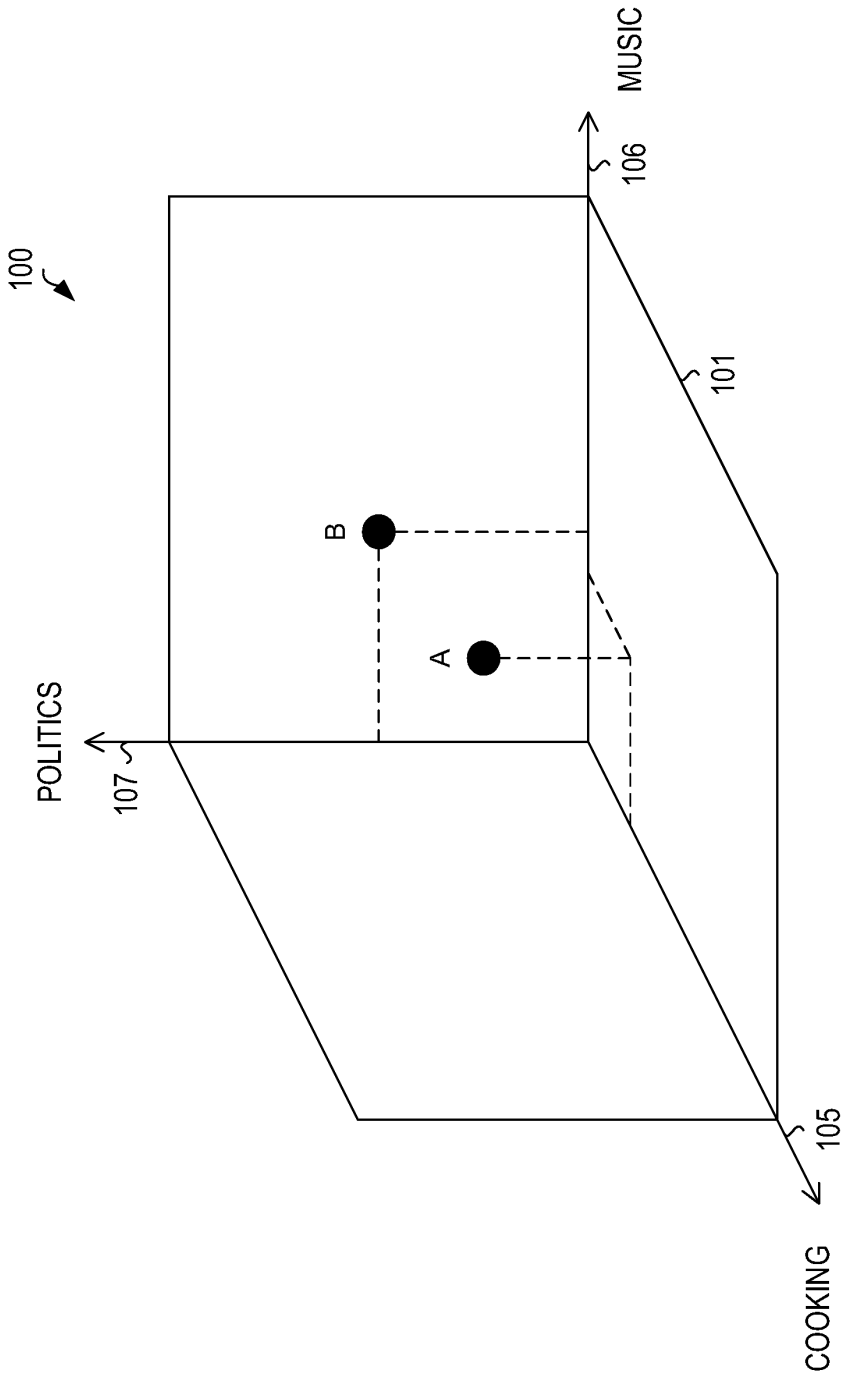


Fig. 19

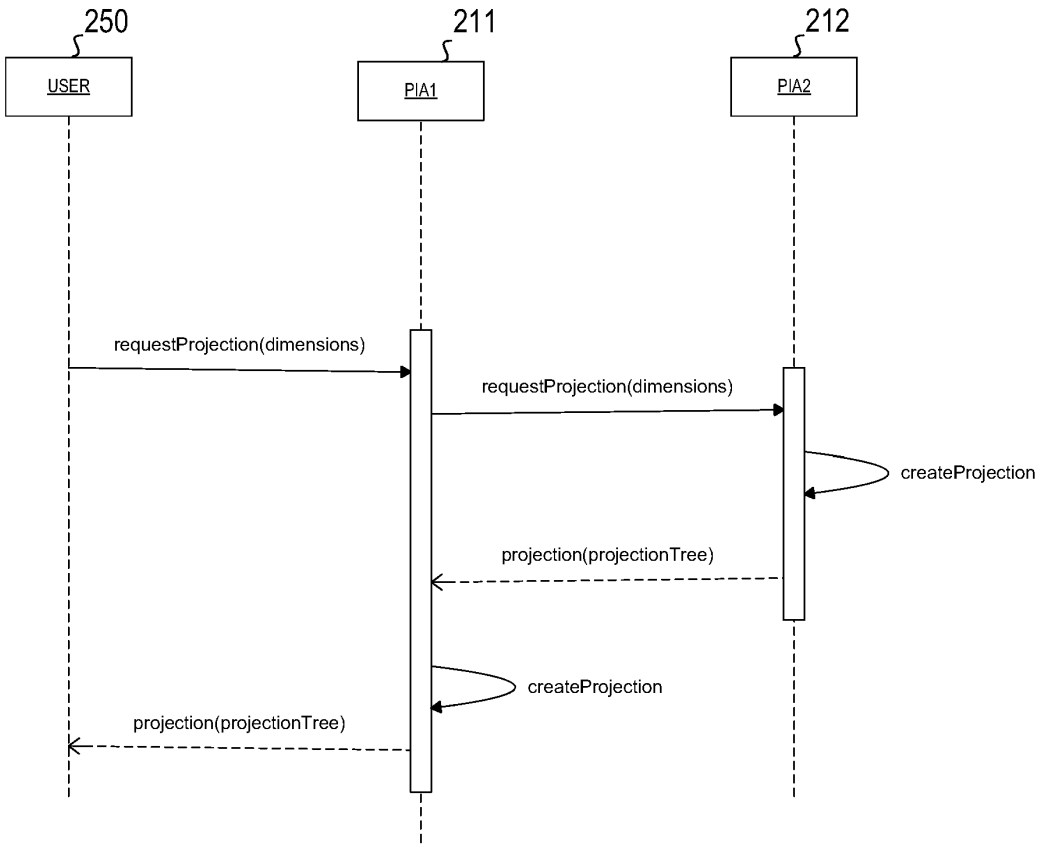

250
211
212
USER
PIA1
PIA2
requestProjection(dimensions)
requestProjection(dimensions)
createProjection
projection(projectionTree)
createProjection
projection(projectionTree)

Fig. 20

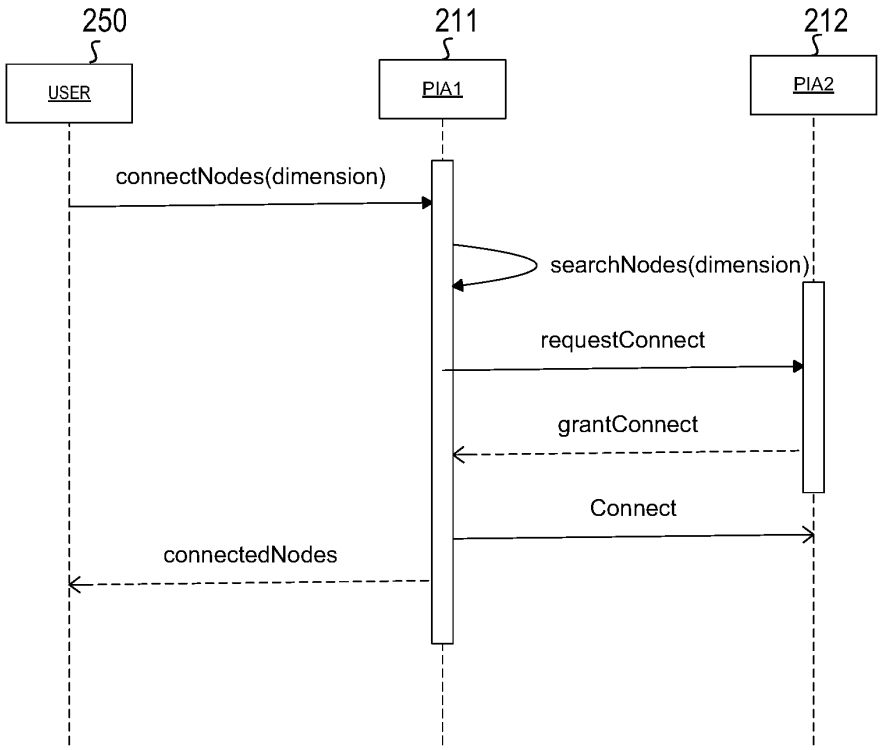

250
211
212
USER
PIA1
PIA2
connectNodes(dimension)
searchNodes(dimension)
requestConnect
grantConnect
Connect
connectedNodes

Fig. 21

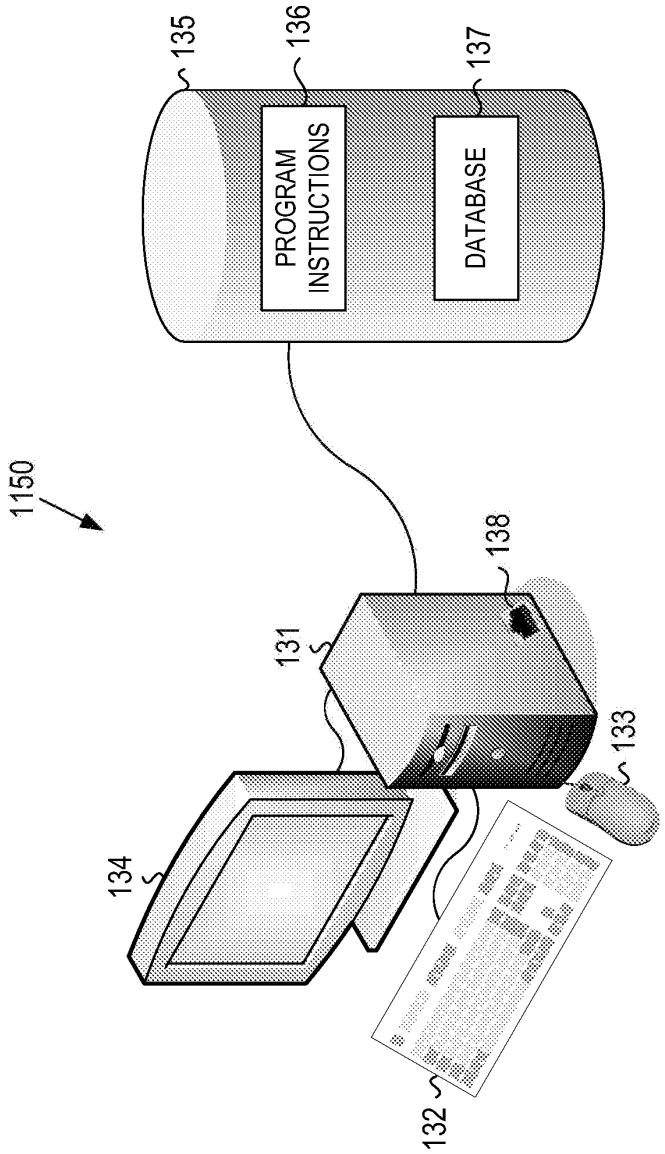

135
136
137
PROGRAM INSTRUCTIONS
DATABASE
1150
138
131
133
134
132

Fig. 22

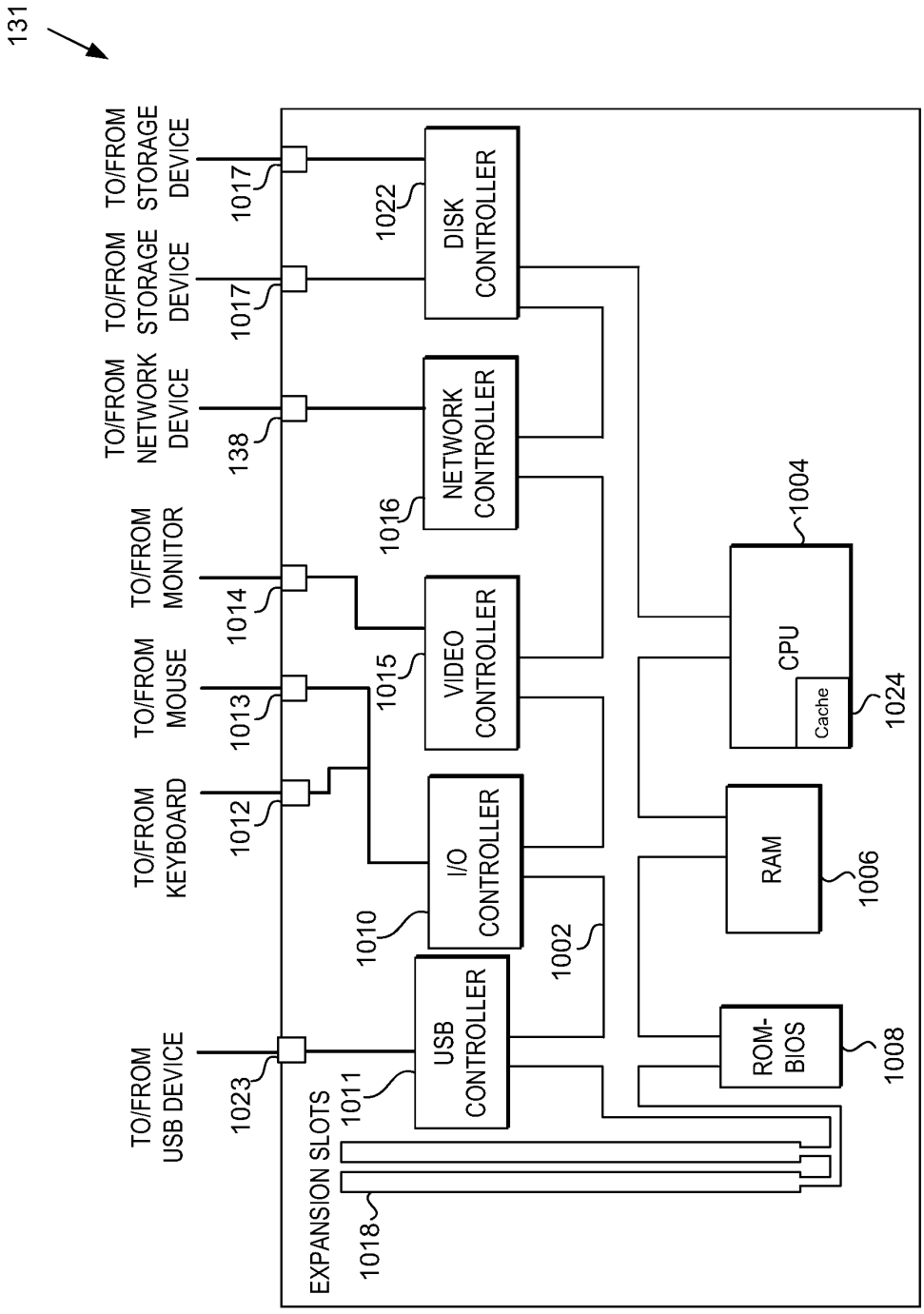

131
TO/FROM USB DEVICE
1023
TO/FROM KEYBOARD
1012
TO/FROM MOUSE
1013
TO/FROM MONITOR
1014
TO/FROM NETWORK DEVICE
138
TO/FROM STORAGE DEVICE
1017
TO/FROM STORAGE DEVICE
1017
TO/FROM STORAGE DEVICE
1017
EXPANSION SLOTS
1018
1011
USB CONTROLLER
1010
I/O CONTROLLER
1015
VIDEO CONTROLLER
1016
NETWORK CONTROLLER
1022
DISK CONTROLLER
1002
ROM-BIOS
1008
RAM
1006
CPU
Cache
1024
1004

Fig. 23

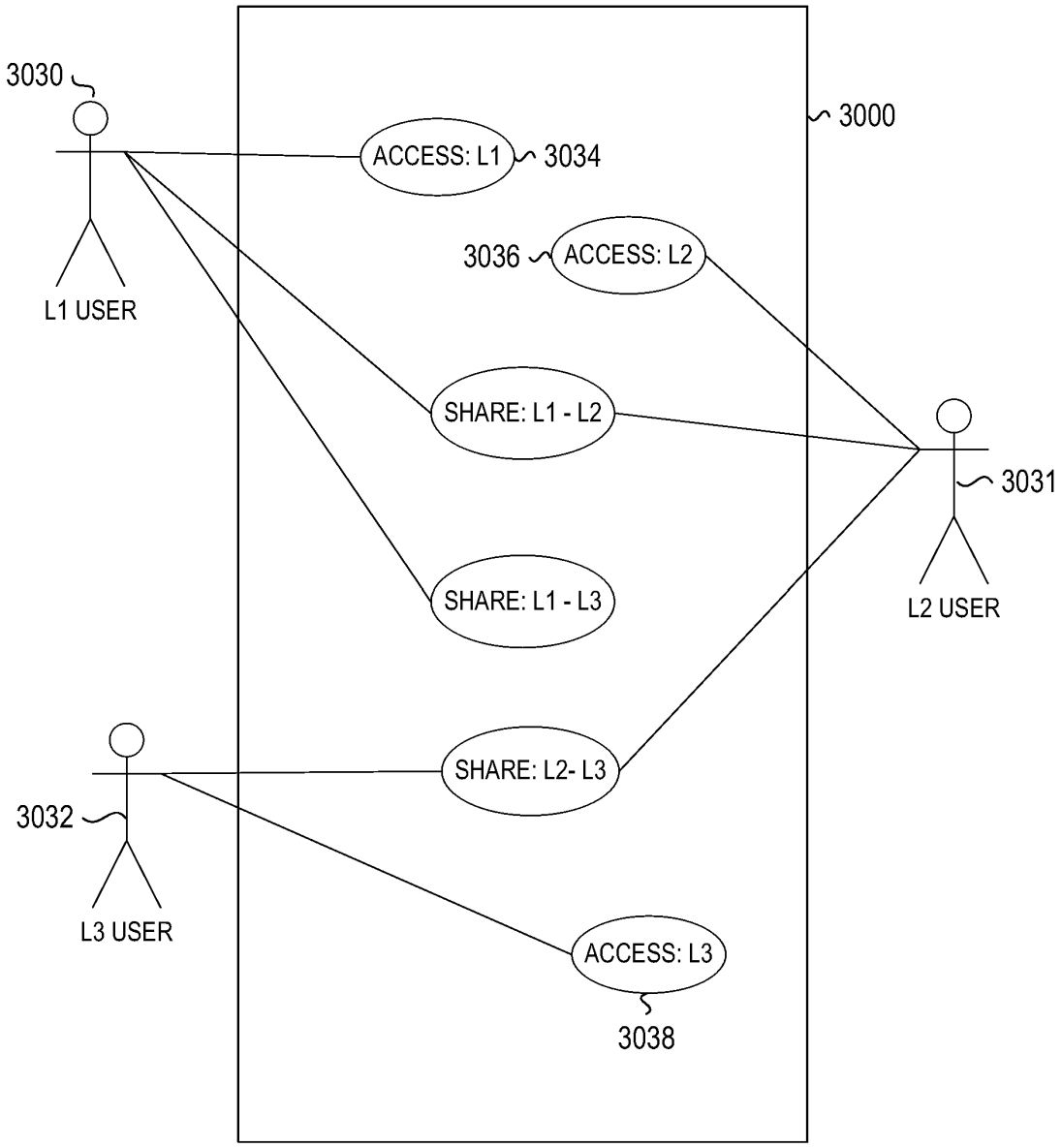
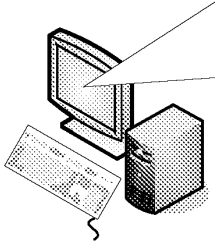

3030
3000
ACCESS: L1
3034
3036
ACCESS: L2
L1 USER
SHARE: L1 - L2
3031
SHARE: L1 - L3
L2 USER
SHARE: L2- L3
3032
L3 USER
ACCESS: L3
3038

Fig. 24

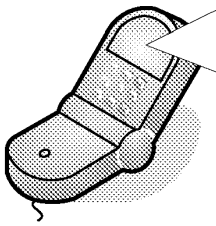


3060

>> ALL SCHOOLS IN SPRINGFIELD SCHOOL DISTRICT CLOSED TOMORROW 2-1-07 DUE TO PREDICTED 12" SNOWFALL TONIGHT. 3066

☒ TEACHERS >>
☒ STAFF: >>Emergency Staff Report at 8 AM.
☒ PARENTS >>
☐ OTHER SD's >>
☒ SNOW REMOVAL: >> Can you have lots plowed by 3 PM.

[NOTIFY] 3068



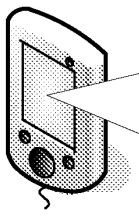
3062

(1-31-2007, 3:46 PM) MESSAGE FROM SPRINGFIELD SCHOOL DISTRICT:
ALL SCHOOLS IN SPRINGFIELD SCHOOL DISTRICT CLOSED TOMORROW 2-1-07 DUE TO PREDICTED 12" SNOWFALL TONIGHT. 3066

WORK >>Will be in late.
SITTERS >>Can anyone take the kids tomorrow?
FRIENDS >>Kids wanna meet at 10 at the Hill for sledding.
SNOW REMOVAL >>Please do our driveway tomorrow when you can.

[NOTIFY] 3068

[REPLY] >>



3064

(1-31-2007, 3:57 PM) MESSAGE FROM JANE DOE:
ALL SCHOOLS IN SPRINGFIELD SCHOOL DISTRICT CLOSED TOMORROW 2-1-07 DUE TO PREDICTED 12" SNOWFALL TONIGHT. 3066
CAN ANYONE TAKE THE KIDS TOMORROW? 3069

WORK >>
FRIENDS >>I will be at Jane's tomorrow.
FAMILY >>

[NOTIFY] 3068

[REPLY] >> I can come over by 8:30 AM. 3067

Fig. 25

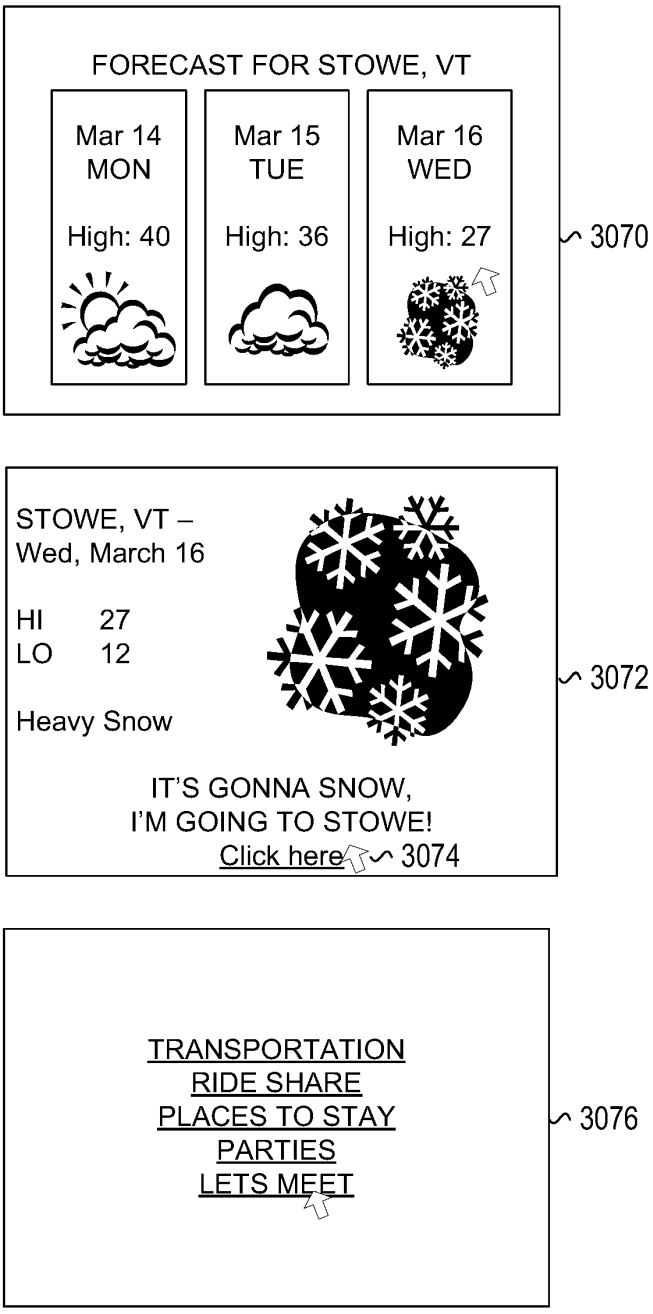

FORECAST FOR STOWE, VT
Mar 14
MON
High: 40
Mar 15
TUE
High: 36
Mar 16
WED
High: 27
3070
STOWE, VT –
Wed, March 16
HI 27
LO 12
Heavy Snow
3072
IT'S GONNA SNOW,
I'M GOING TO STOWE!
Click here
3074
TRANSPORTATION
RIDE SHARE
PLACES TO STAY
PARTIES
LETS MEET
3076

Fig. 26

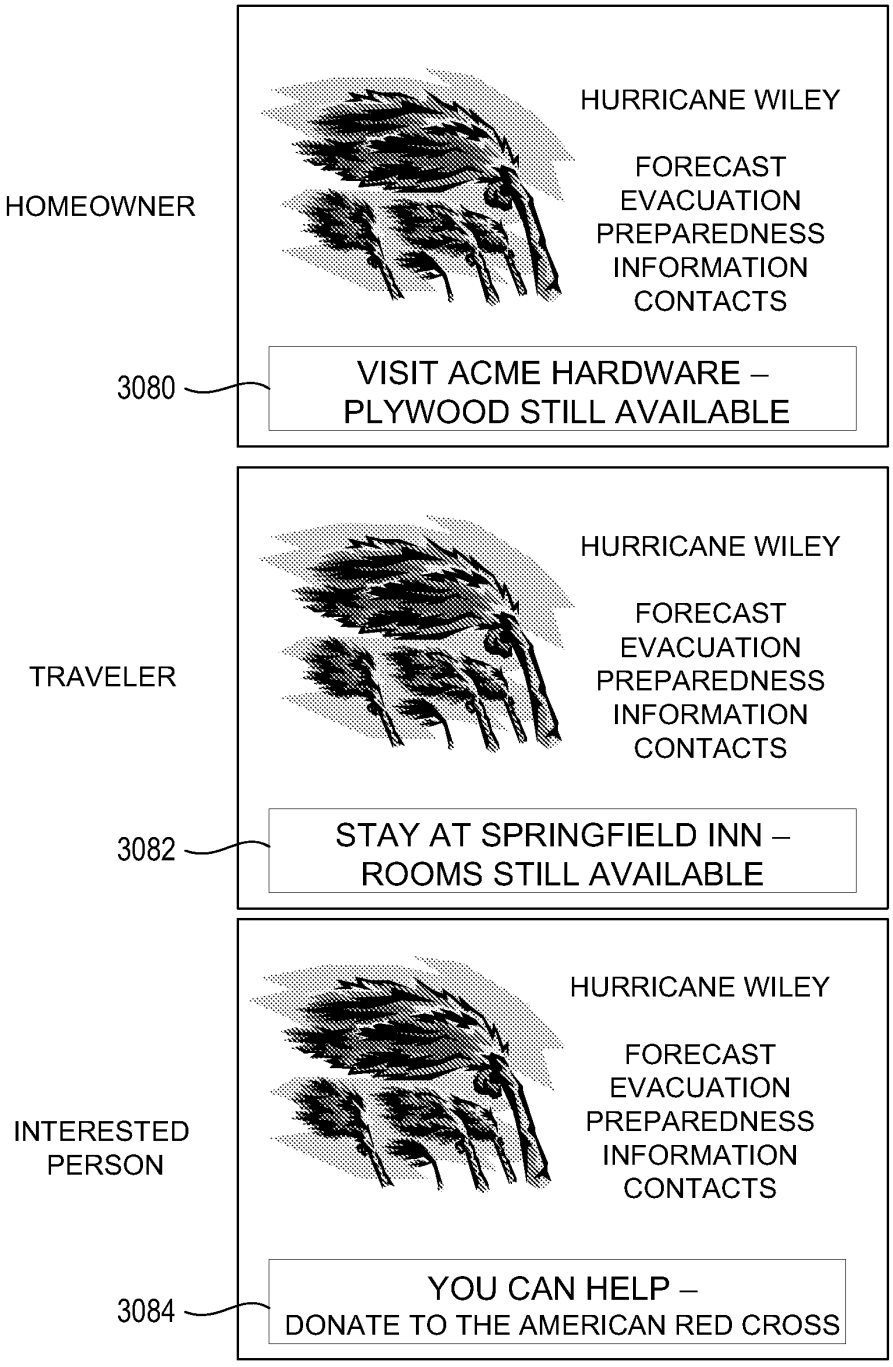

HOMEOWNER
HURRICANE WILEY
FORECAST
EVACUATION
PREPAREDNESS
INFORMATION
CONTACTS
3080
VISIT ACME HARDWARE –
PLYWOOD STILL AVAILABLE
TRAVELER
HURRICANE WILEY
FORECAST
EVACUATION
PREPAREDNESS
INFORMATION
CONTACTS
3082
STAY AT SPRINGFIELD INN –
ROOMS STILL AVAILABLE
INTERESTED
PERSON
HURRICANE WILEY
FORECAST
EVACUATION
PREPAREDNESS
INFORMATION
CONTACTS
3084
YOU CAN HELP –
DONATE TO THE AMERICAN RED CROSS

Fig. 27

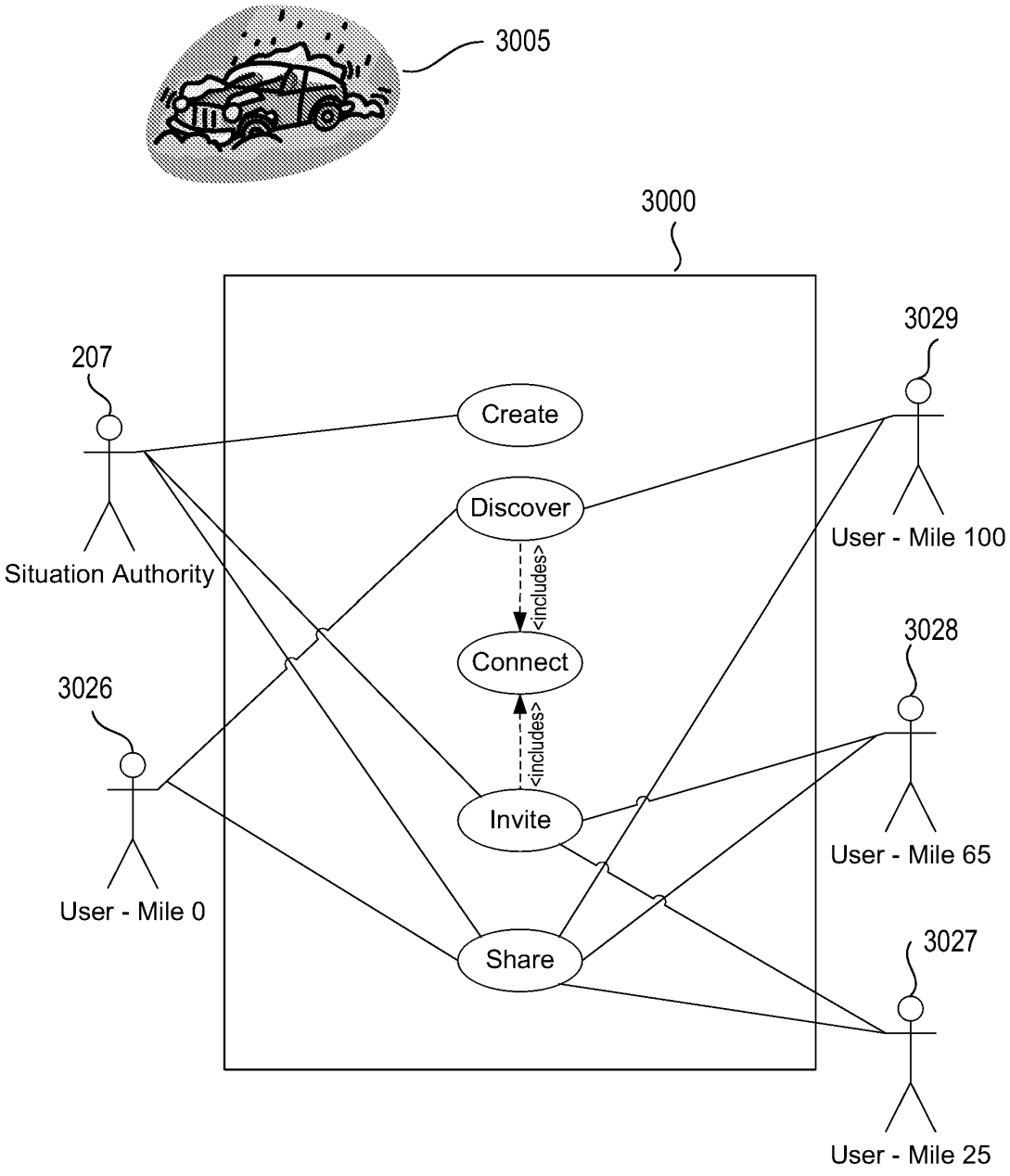

3005
3000
207
Situation Authority
Create
Discover
<includes>
Connect
<includes>
Invite
Share
3029
User - Mile 100
3028
User - Mile 65
3027
User - Mile 25
3026
User - Mile 0

Fig. 28

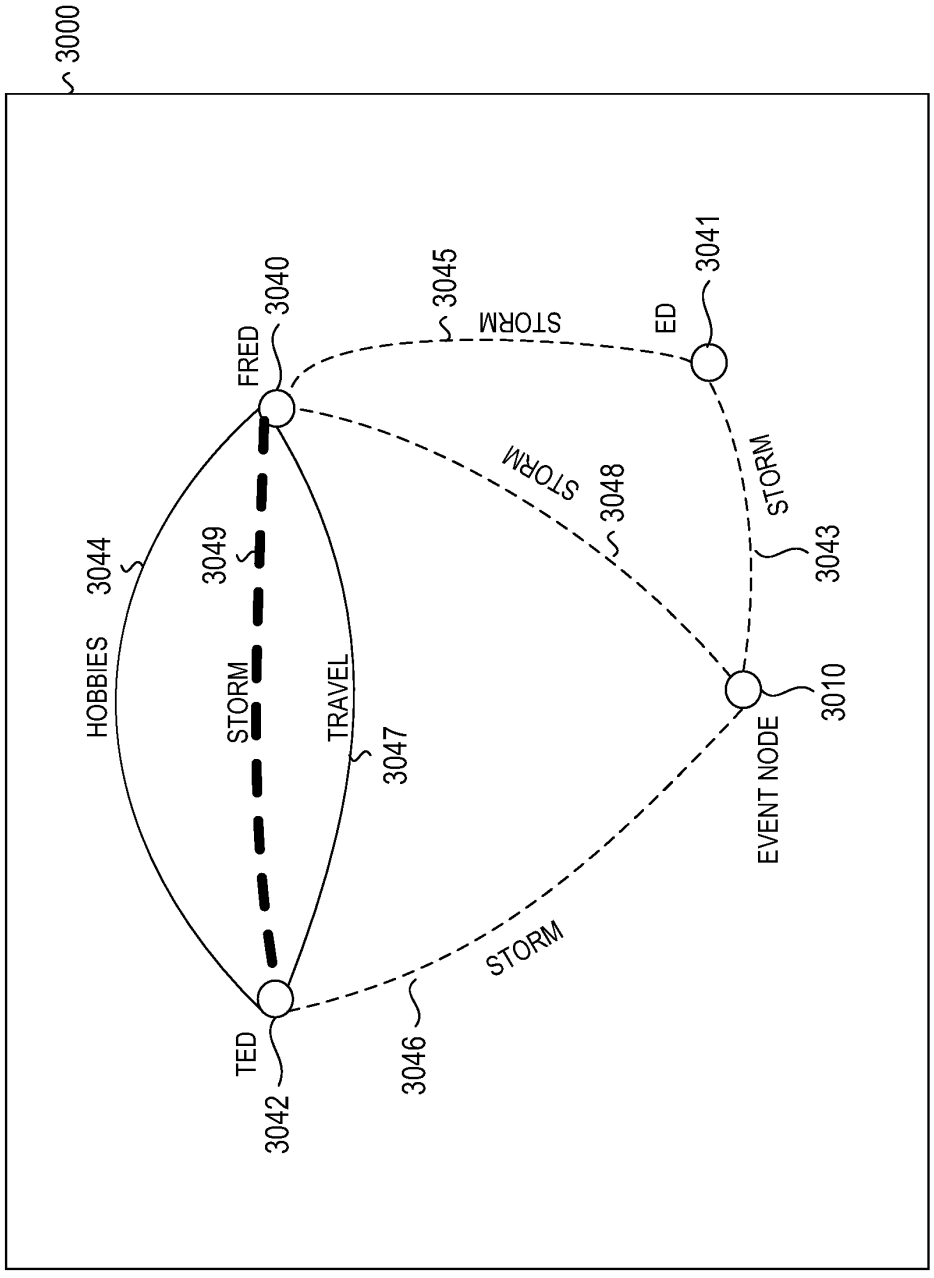

3000
FRED
3040
3045
STORM
ED
3041
STORM
3048
STORM
3043
3049
3044
HOBBIES
STORM
TRAVEL
3047
3010
EVENT NODE
STORM
TED
3042
3046

Fig. 29

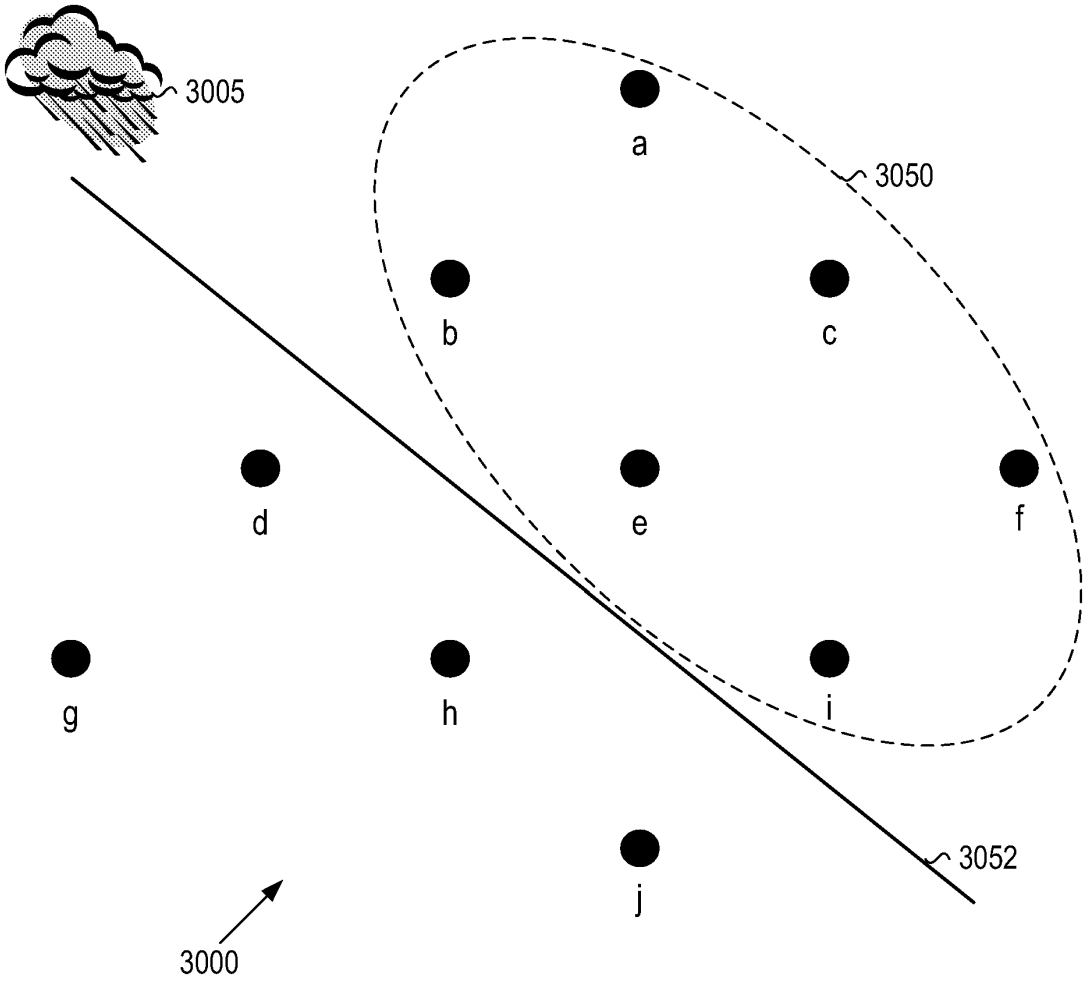


Fig. 30

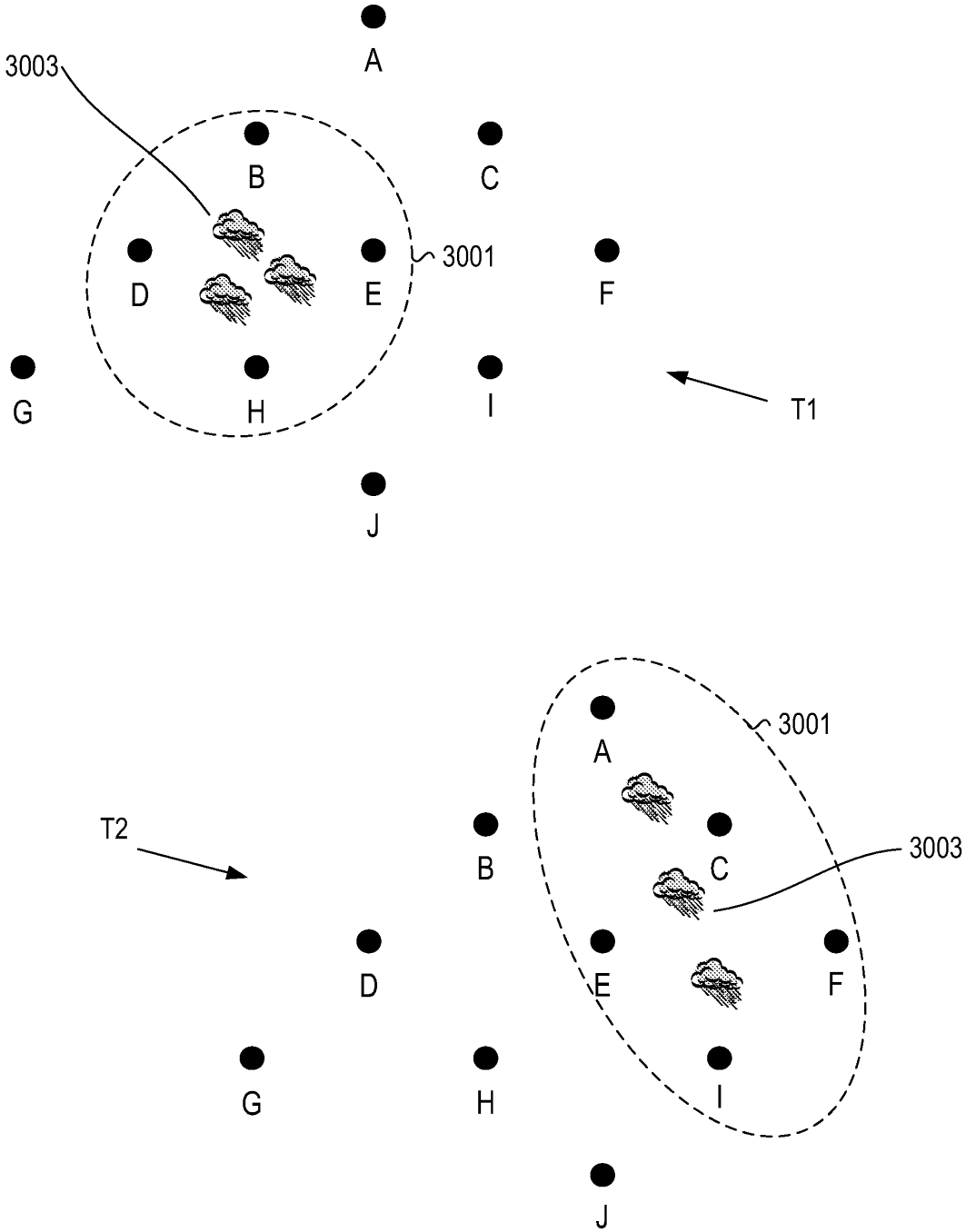


Fig. 31

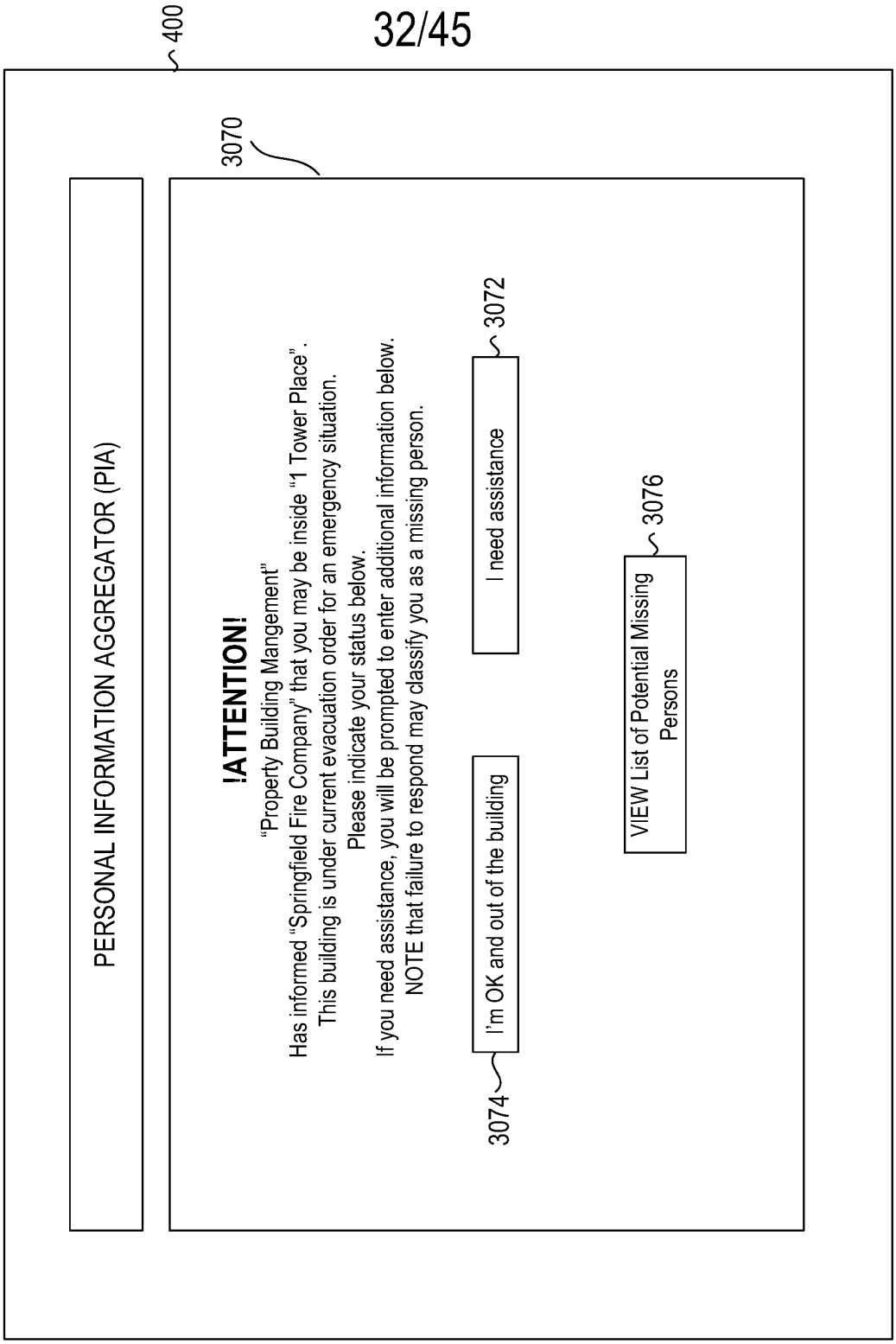

400
PERSONAL INFORMATION AGGREGATOR (PIA)
3070
!ATTENTION!
"Property Building Mangement"
Has informed "Springfield Fire Company" that you may be inside "1 Tower Place".
This building is under current evacuation order for an emergency situation.
Please indicate your status below.
If you need assistance, you will be prompted to enter additional information below.
NOTE that failure to respond may classify you as a missing person.
I'm OK and out of the building
3074
I need assistance
3072
VIEW List of Potential Missing Persons
3076

Fig. 32

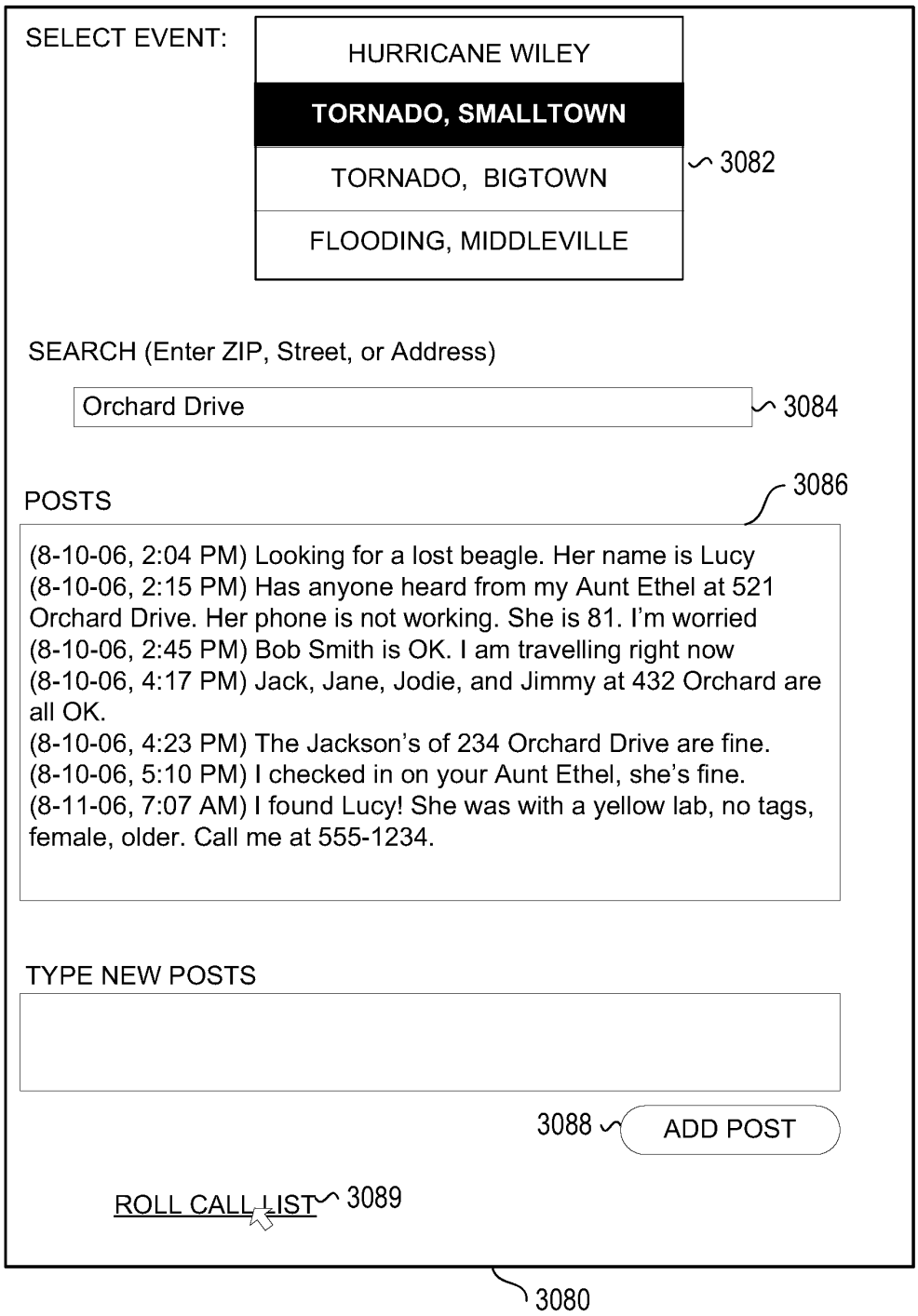

SELECT EVENT:
HURRICANE WILEY
TORNADO, SMALLTOWN
TORNADO, BIGTOWN
FLOODING, MIDDLEVILLE
3082
SEARCH (Enter ZIP, Street, or Address)
Orchard Drive
3084
POSTS
3086
(8-10-06, 2:04 PM) Looking for a lost beagle. Her name is Lucy
(8-10-06, 2:15 PM) Has anyone heard from my Aunt Ethel at 521 Orchard Drive. Her phone is not working. She is 81. I'm worried
(8-10-06, 2:45 PM) Bob Smith is OK. I am travelling right now
(8-10-06, 4:17 PM) Jack, Jane, Jodie, and Jimmy at 432 Orchard are all OK.
(8-10-06, 4:23 PM) The Jackson's of 234 Orchard Drive are fine.
(8-10-06, 5:10 PM) I checked in on your Aunt Ethel, she's fine.
(8-11-06, 7:07 AM) I found Lucy! She was with a yellow lab, no tags, female, older. Call me at 555-1234.
TYPE NEW POSTS
3088
ADD POST
ROLL CALL LIST
3089
3080

Fig. 33

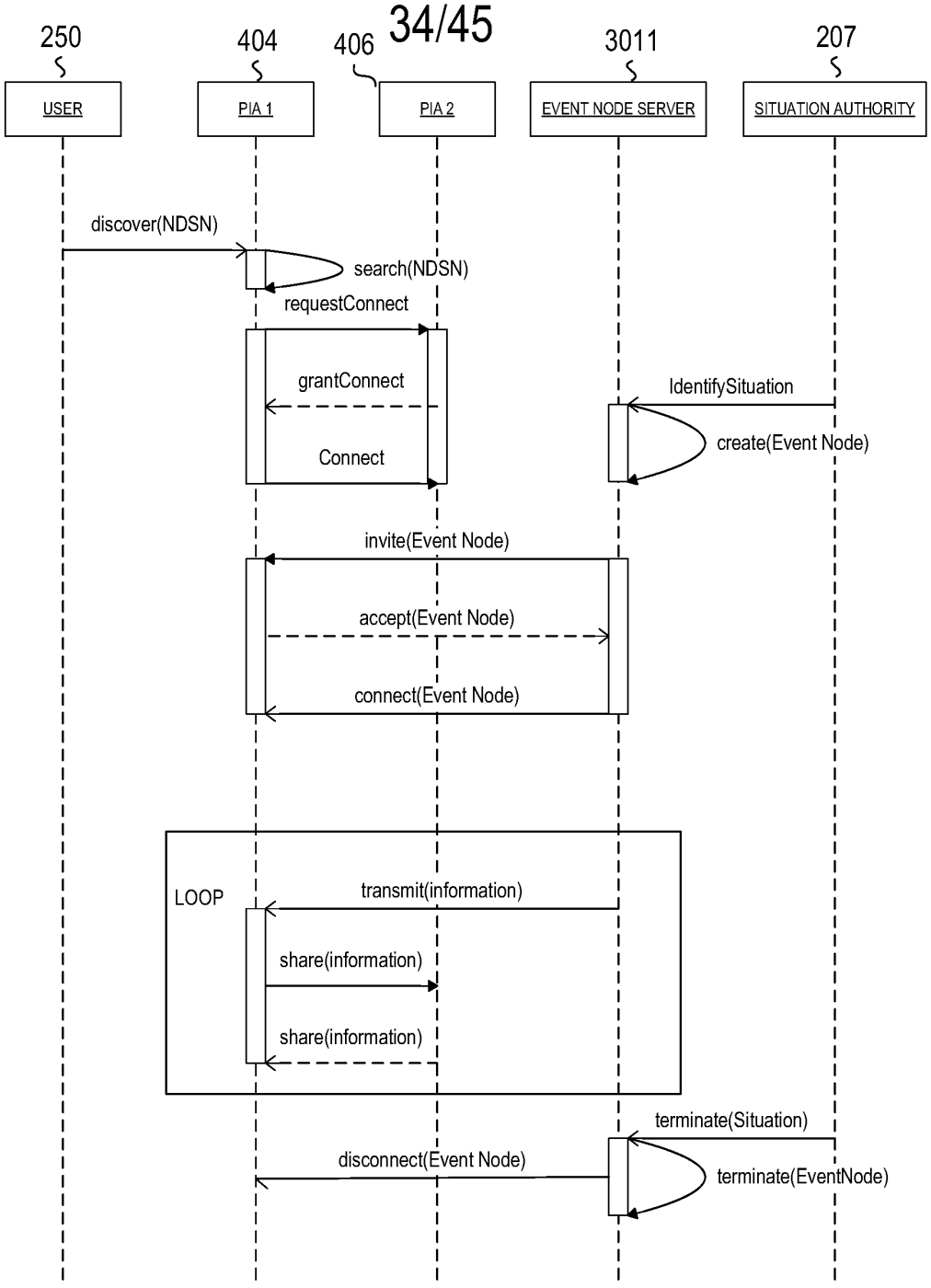

250
404
406
3011
207
USER
PIA 1
PIA 2
EVENT NODE SERVER
SITUATION AUTHORITY
discover(NDSN)
search(NDSN)
requestConnect
grantConnect
Connect
IdentifySituation
create(Event Node)
invite(Event Node)
accept(Event Node)
connect(Event Node)
LOOP
transmit(information)
share(information)
share(information)
terminate(Situation)
disconnect(Event Node)
terminate(EventNode)

Fig. 34

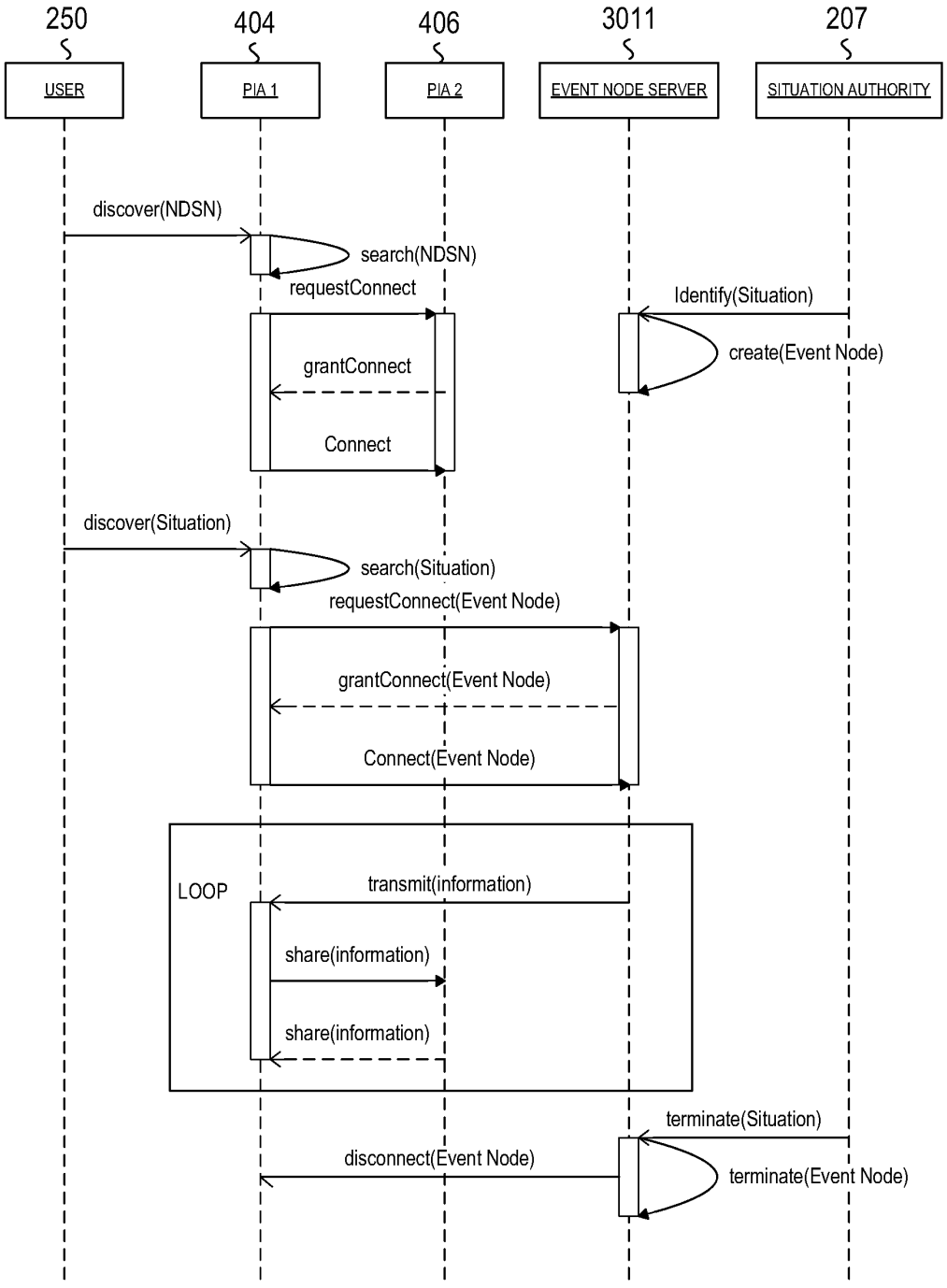

250
404
406
3011
207
USER
PIA 1
PIA 2
EVENT NODE SERVER
SITUATION AUTHORITY
discover(NDSN)
search(NDSN)
requestConnect
Identify(Situation)
create(Event Node)
grantConnect
Connect
discover(Situation)
search(Situation)
requestConnect(Event Node)
grantConnect(Event Node)
Connect(Event Node)
LOOP
transmit(information)
share(information)
share(information)
terminate(Situation)
disconnect(Event Node)
terminate(Event Node)

Fig. 35

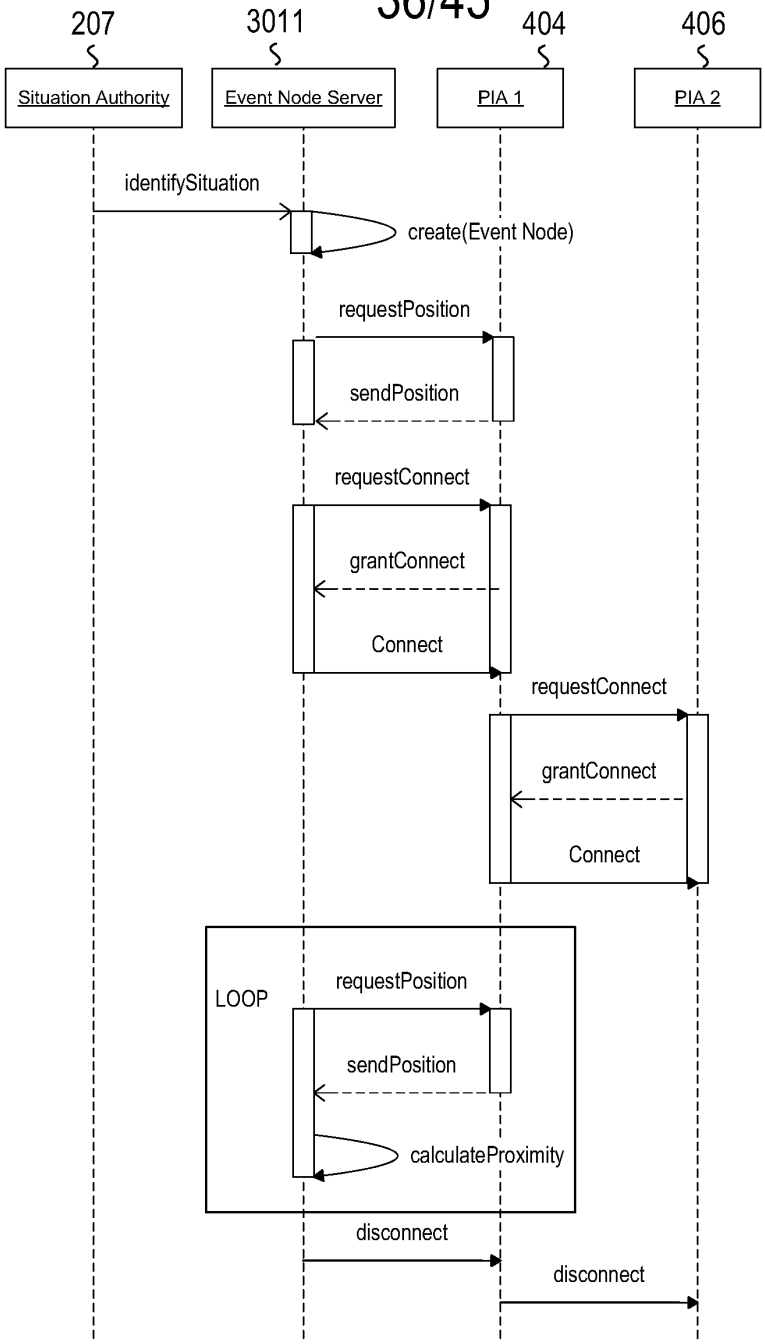

207
3011
404
406
Situation Authority
Event Node Server
PIA 1
PIA 2
identifySituation
create(Event Node)
requestPosition
sendPosition
requestConnect
grantConnect
Connect
requestConnect
grantConnect
Connect
LOOP
requestPosition
sendPosition
calculateProximity
disconnect
disconnect

Fig. 36

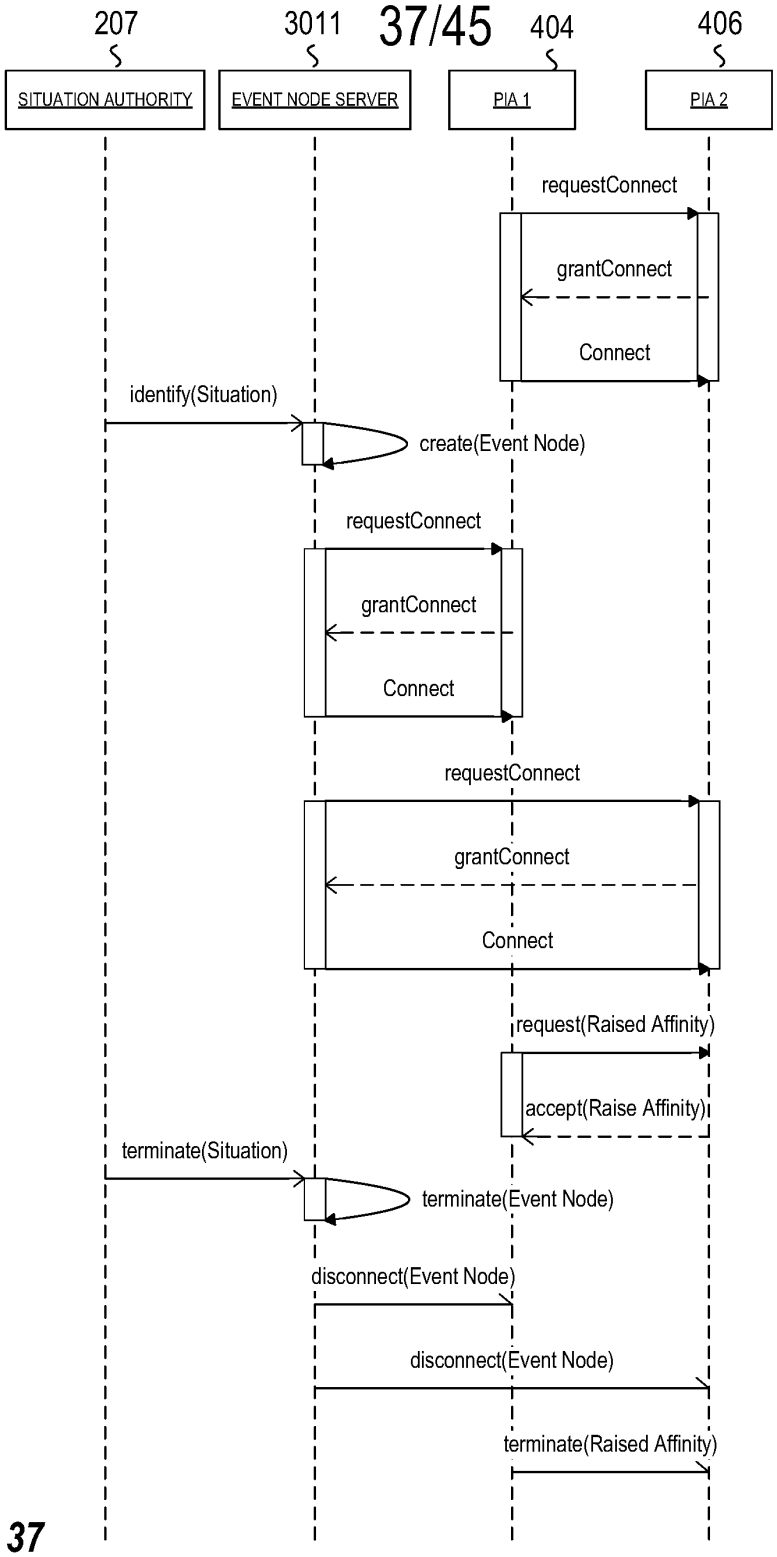

207
3011
404
406
SITUATION AUTHORITY
EVENT NODE SERVER
PIA 1
PIA 2
requestConnect
grantConnect
Connect
identify(Situation)
create(Event Node)
requestConnect
grantConnect
Connect
requestConnect
grantConnect
Connect
request(Raised Affinity)
accept(Raise Affinity)
terminate(Situation)
terminate(Event Node)
disconnect(Event Node)
disconnect(Event Node)
terminate(Raised Affinity)

Fig. 37

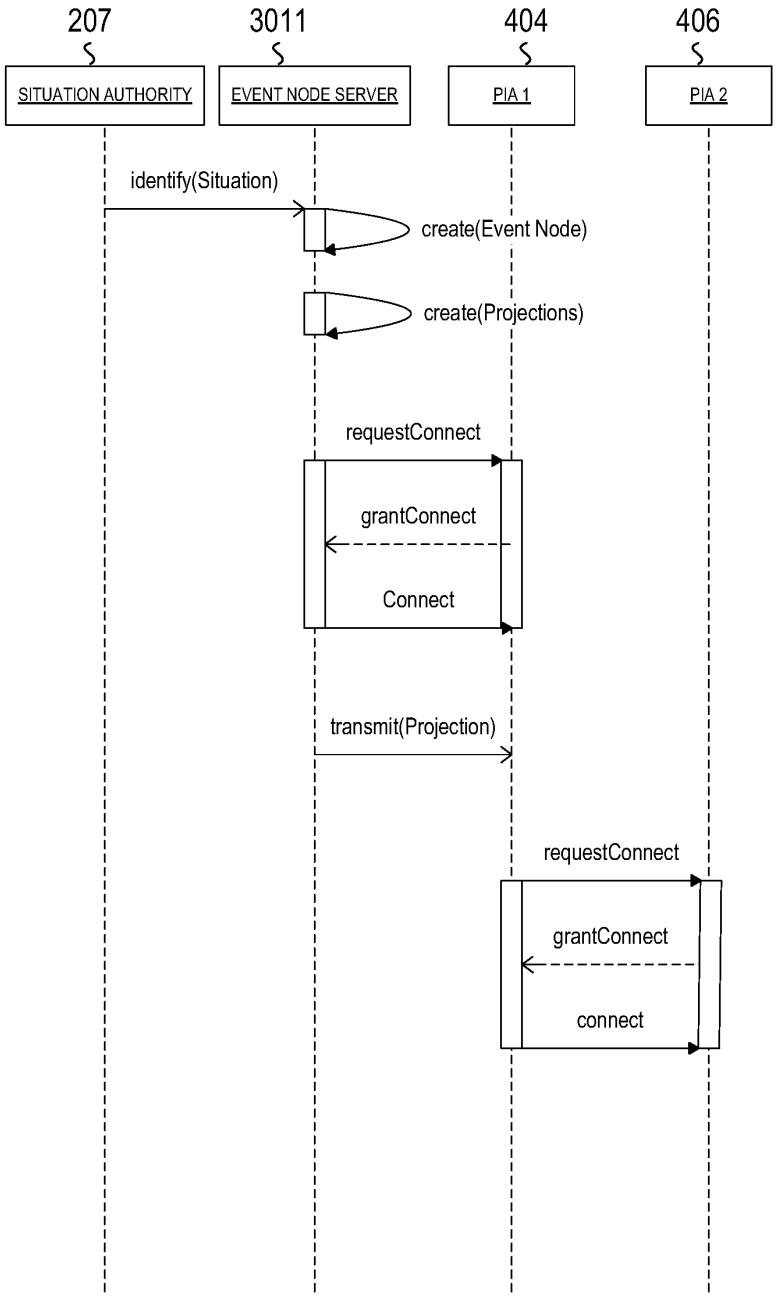

207
3011
404
406
SITUATION AUTHORITY
EVENT NODE SERVER
PIA 1
PIA 2
identify(Situation)
create(Event Node)
create(Projections)
requestConnect
grantConnect
Connect
transmit(Projection)
requestConnect
grantConnect
connect

Fig. 38

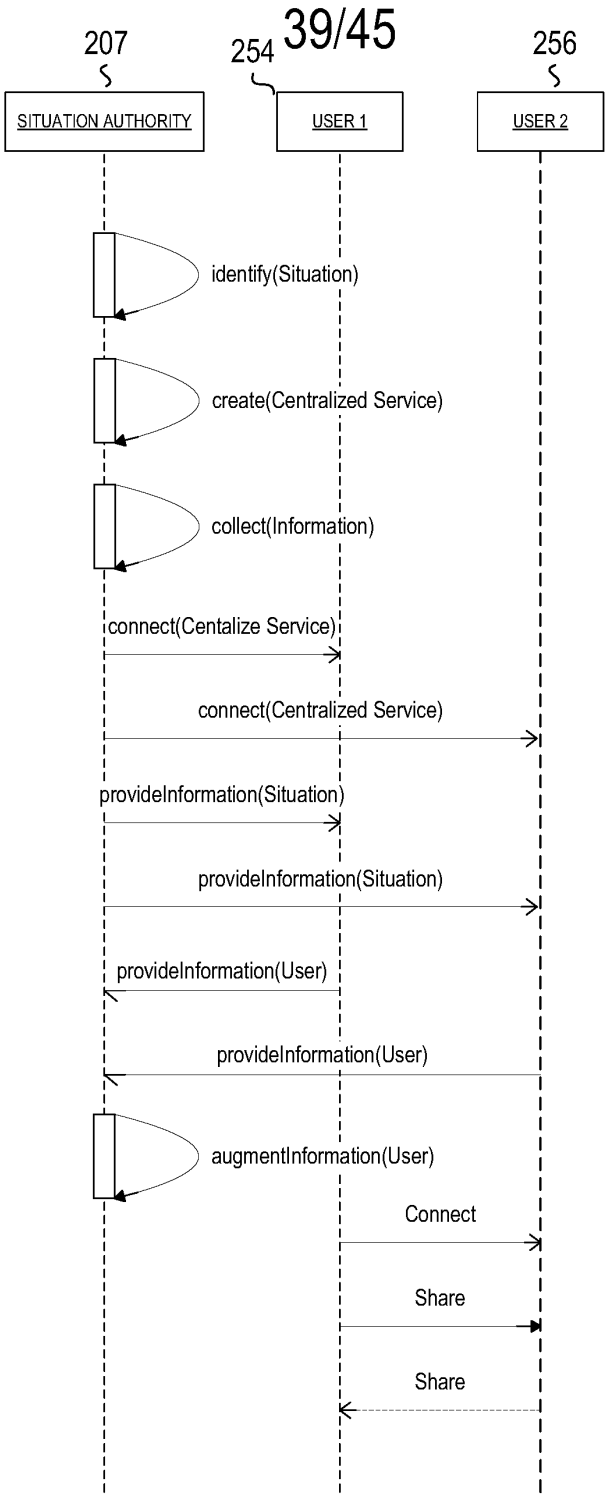

207
254
256
SITUATION AUTHORITY
USER 1
USER 2
identify(Situation)
create(Centralized Service)
collect(Information)
connect(Centalize Service)
connect(Centralized Service)
provideInformation(Situation)
provideInformation(Situation)
provideInformation(User)
provideInformation(User)
augmentInformation(User)
Connect
Share
Share

Fig. 39

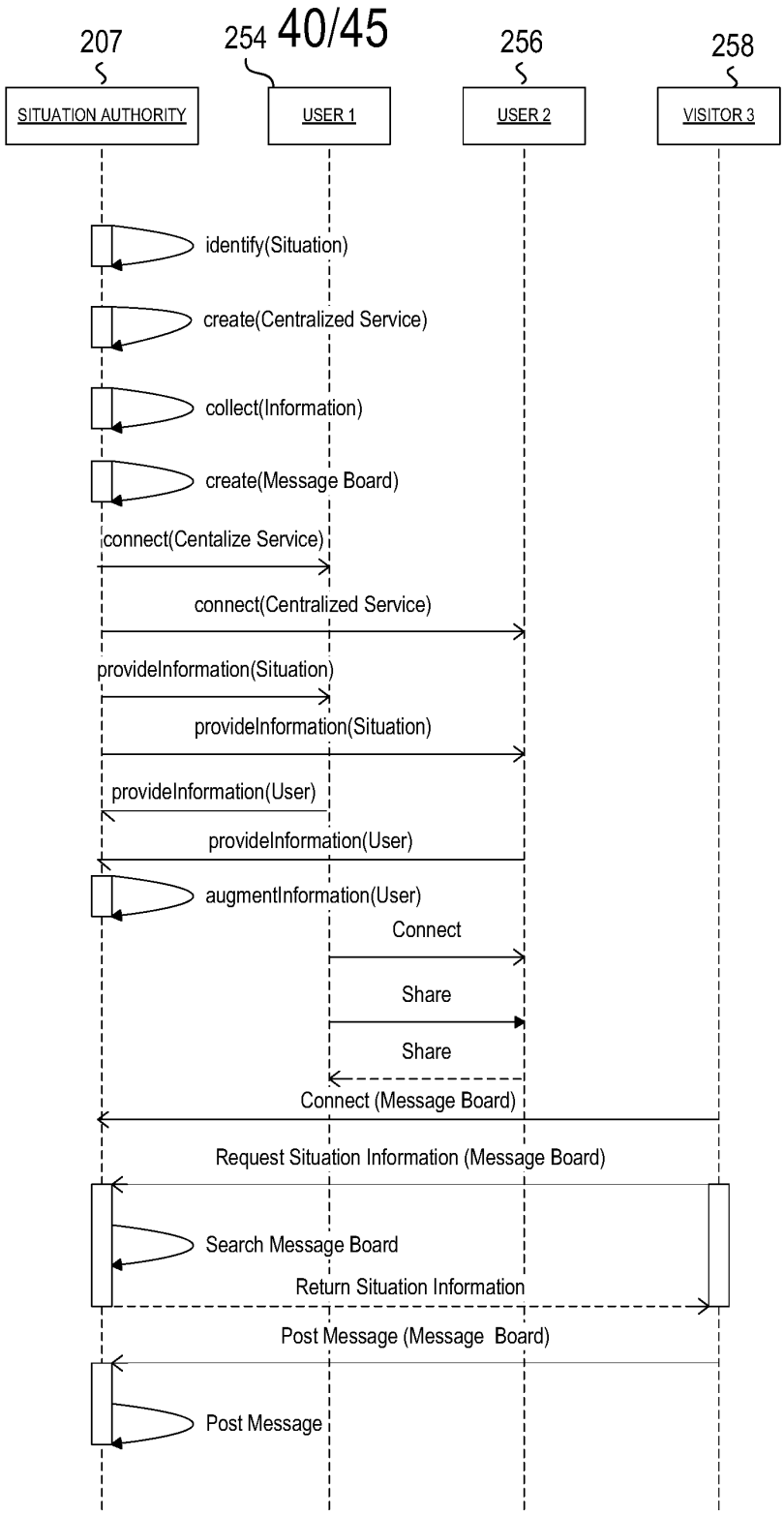

207
254
256
258
SITUATION AUTHORITY
USER 1
USER 2
VISITOR 3
identify(Situation)
create(Centralized Service)
collect(Information)
create(Message Board)
connect(Centalize Service)
connect(Centralized Service)
provideInformation(Situation)
provideInformation(Situation)
provideInformation(User)
provideInformation(User)
augmentInformation(User)
Connect
Share
Share
Connect (Message Board)
Request Situation Information (Message Board)
Search Message Board
Return Situation Information
Post Message (Message Board)
Post Message

Fig. 40

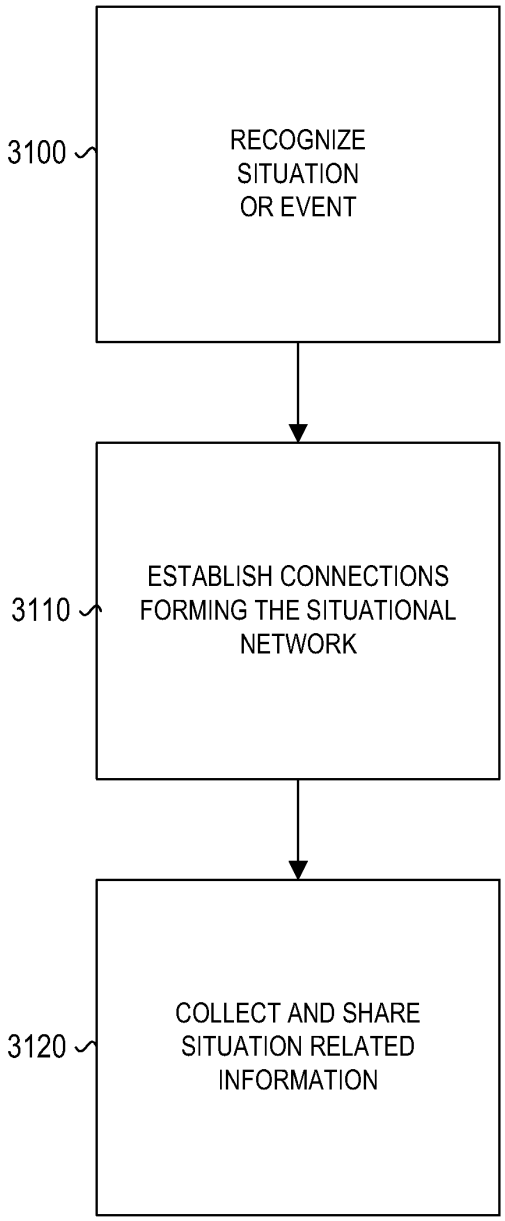

3100
RECOGNIZE SITUATION OR EVENT
3110
ESTABLISH CONNECTIONS FORMING THE SITUATIONAL NETWORK
3120
COLLECT AND SHARE SITUATION RELATED INFORMATION

Fig. 41

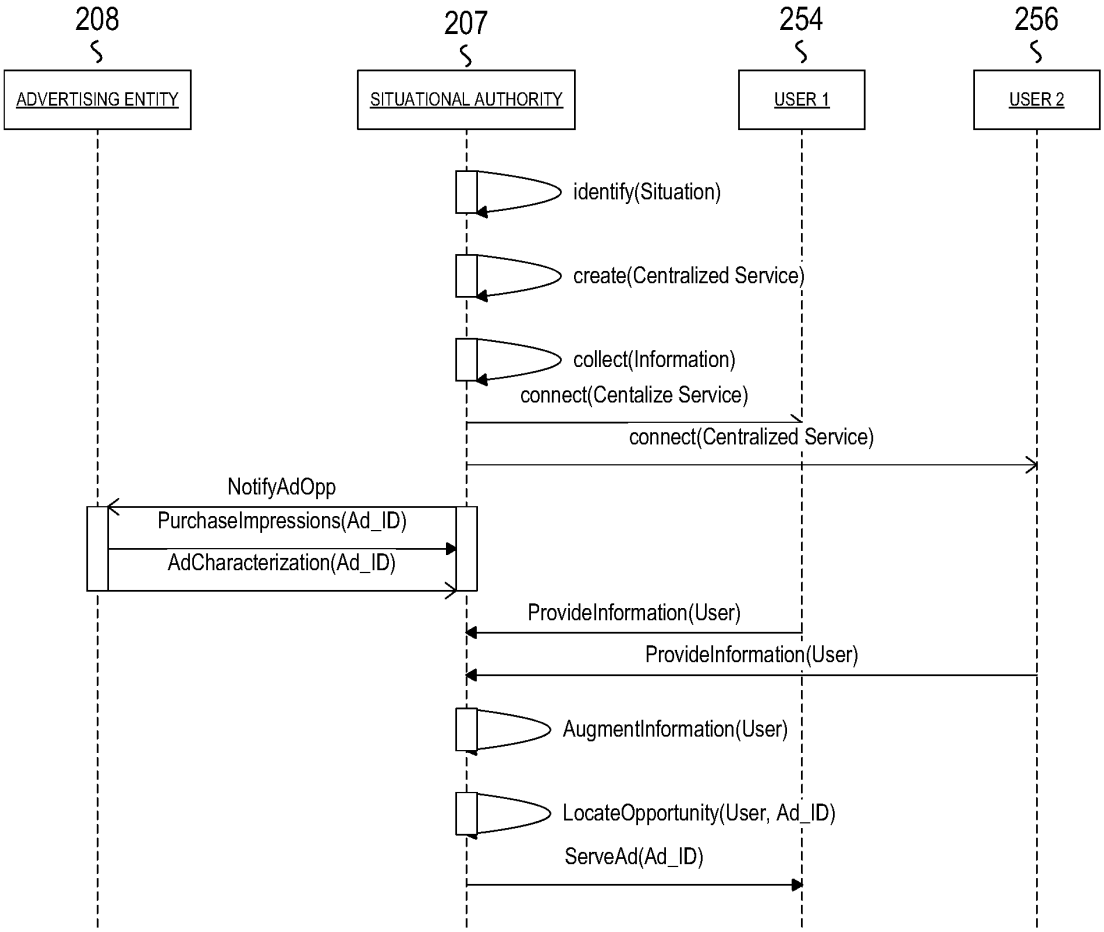

208
207
254
256
ADVERTISING ENTITY
SITUATIONAL AUTHORITY
USER 1
USER 2
identify(Situation)
create(Centralized Service)
collect(Information)
connect(Centalize Service)
connect(Centralized Service)
NotifyAdOpp
PurchaseImpressions(Ad_ID)
AdCharacterization(Ad_ID)
ProvideInformation(User)
ProvideInformation(User)
AugmentInformation(User)
LocateOpportunity(User, Ad_ID)
ServeAd(Ad_ID)

Fig. 42

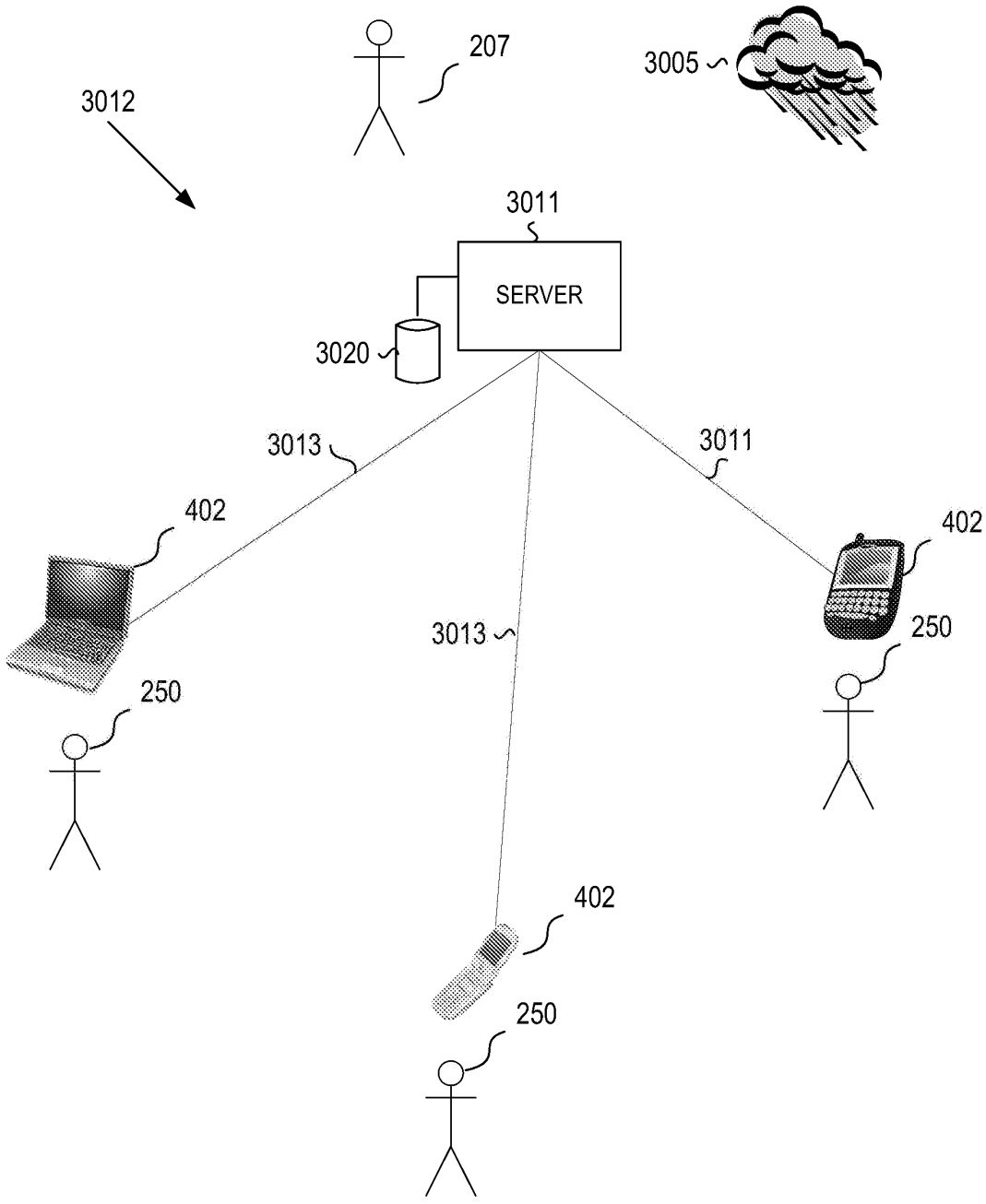

3012
207
3005
3011
SERVER
3020
3013
3011
402
402
3013
250
250
402
250

Fig. 43

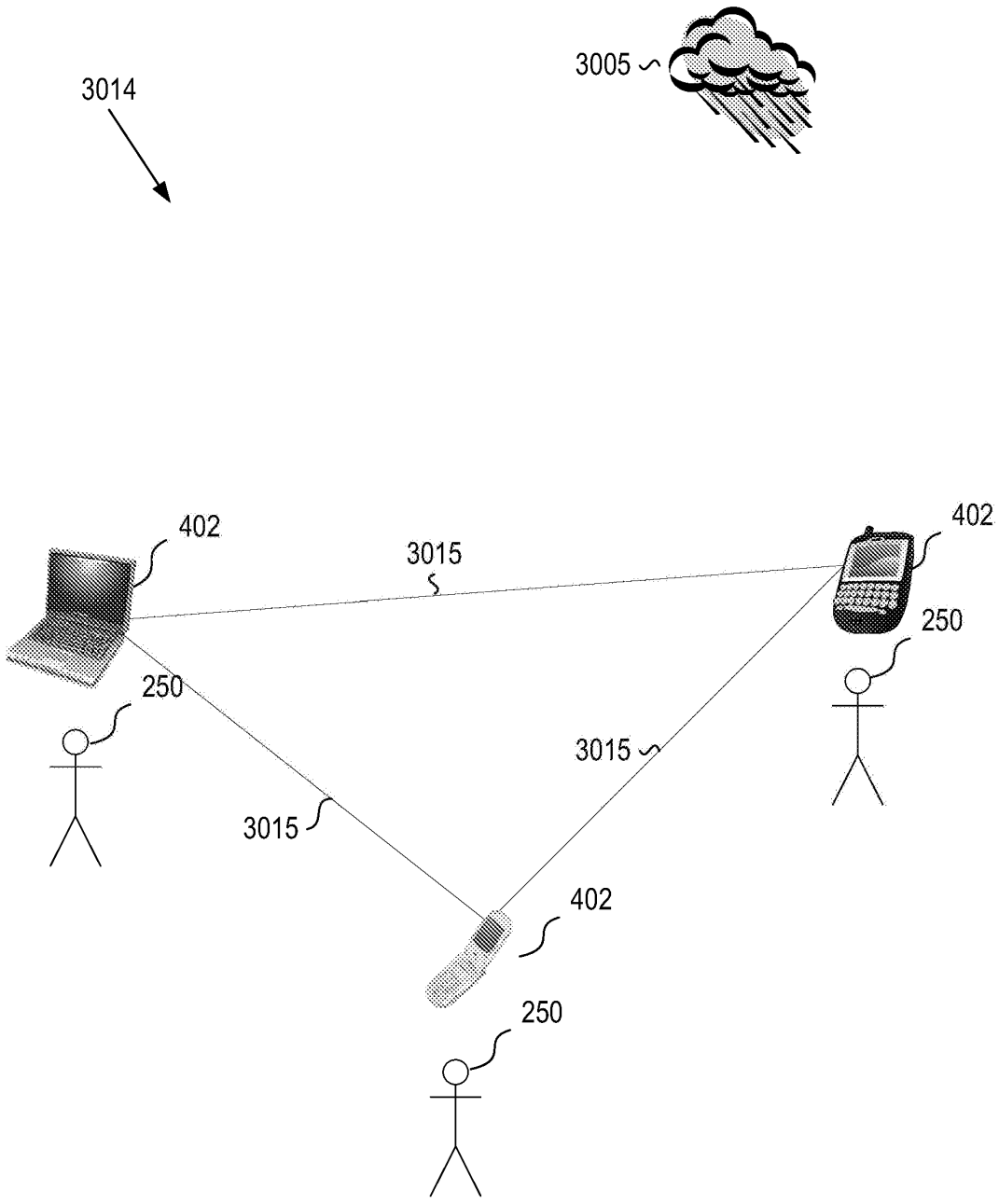


Fig. 44

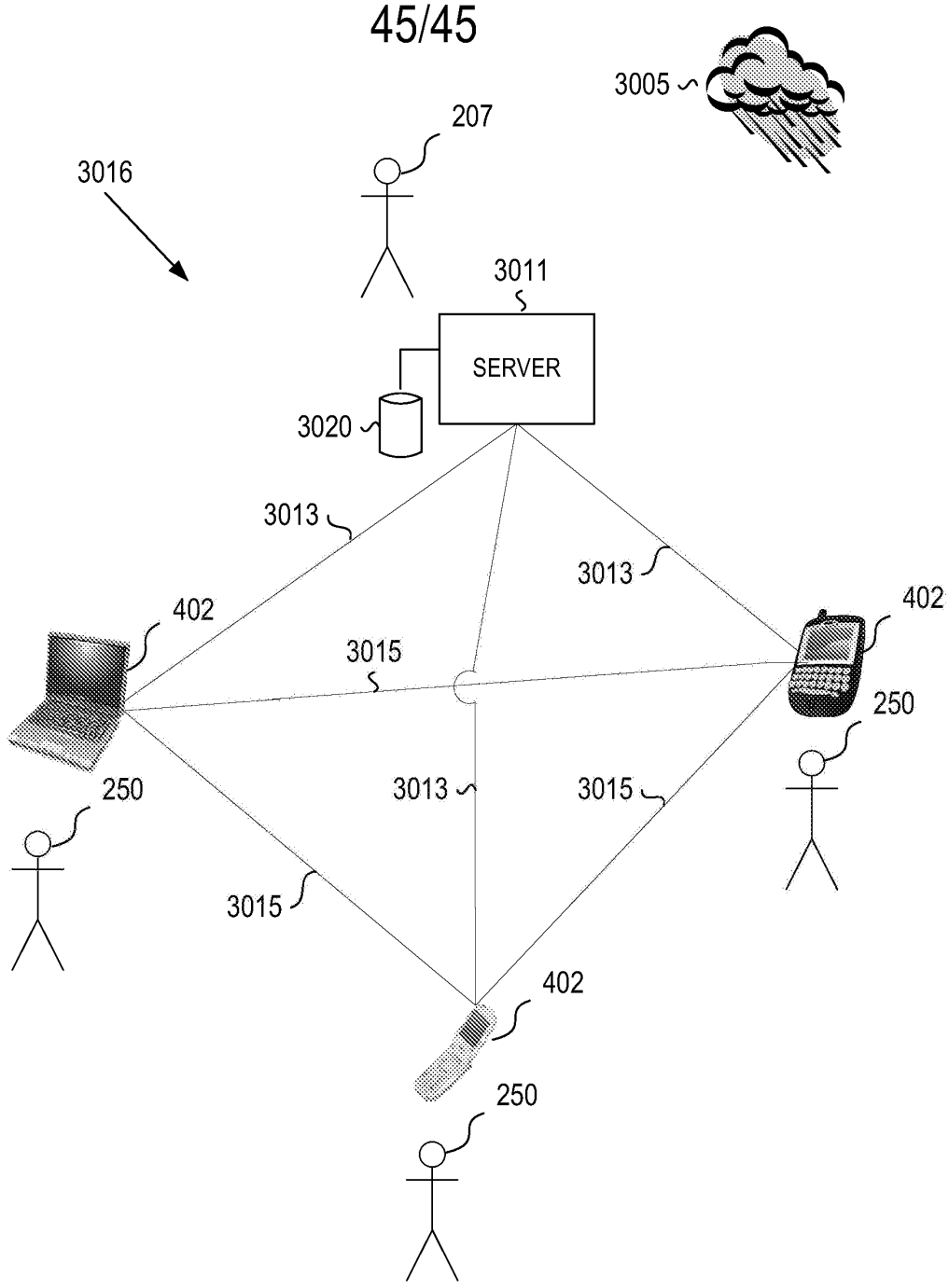

3005
207
3016
3011
SERVER
3020
3013
3013
402
402
3015
250
250
3013
3015
3015
402
250

Fig. 45

Doc Code: TRACK1.REQ
Document Description: TrackOne Request

000137-0005-124

PTO/AIA/424 (04-14)

CERTIFICATION AND REQUEST FOR PRIORITIZED EXAMINATION UNDER 37 CFR 1.102(e) (Page 1 of 1)

First Named Inventor:	Thomas Cona	Nonprovisional Application Number (if known):	Not Yet Assigned
Title of Invention:	METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK		

APPLICANT HEREBY CERTIFIES THE FOLLOWING AND REQUESTS PRIORITIZED EXAMINATION FOR THE ABOVE-IDENTIFIED APPLICATION.

1. The processing fee set forth in 37 CFR 1.17(i)(1) and the prioritized examination fee set forth in 37 CFR 1.17(c) have been filed with the request. The publication fee requirement is met because that fee, set forth in 37 CFR 1.18(d), is currently $0. The basic filing fee, search fee, and examination fee are filed with the request or have been already been paid. I understand that any required excess claims fees or application size fee must be paid for the application.
2. I understand that the application may not contain, or be amended to contain, more than four independent claims, more than thirty total claims, or any multiple dependent claims, and that any request for an extension of time will cause an outstanding Track I request to be dismissed.
3. The applicable box is checked below:

I. [X] **Original Application (Track One) - Prioritized Examination under § 1.102(e)(1)**

i. (a) The application is an original nonprovisional utility application filed under 35 U.S.C. 111(a). This certification and request is being filed with the utility application via EFS-Web.

---OR---

(b) The application is an original nonprovisional plant application filed under 35 U.S.C. 111(a). This certification and request is being filed with the plant application in paper.

ii. An executed inventor's oath or declaration under 37 CFR 1.63 or 37 CFR 1.64 for each inventor, **or** the application data sheet meeting the conditions specified in 37 CFR 1.53(f)(3)(i) is filed with the application.

II. [ ] **Request for Continued Examination - Prioritized Examination under § 1.102(e)(2)**

i. A request for continued examination has been filed with, or prior to, this form.
ii. If the application is a utility application, this certification and request is being filed via EFS-Web.
iii. The application is an original nonprovisional utility application filed under 35 U.S.C. 111(a), or is a national stage entry under 35 U.S.C. 371.
iv. This certification and request is being filed prior to the mailing of a first Office action responsive to the request for continued examination.
v. No prior request for continued examination has been granted prioritized examination status under 37 CFR 1.102(e)(2).

Signature	/Maxim A. Rapoport/	Date:	April 18, 2024
Name (Print/Typed)	Maxim A. Rapoport	Practitioner Registration Number	67,675

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

[X] *Total of 1 forms are submitted.

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

PTO/AIA/82B (07-13)
Approved for use through 11/30/2020. OMB 0651-0051
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 FOR POWER OF ATTORNEY TO ONE OR MORE REGISTERED PRACTITIONERS

NOTE: This form is to be submitted with the Power of Attorney by Applicant form (PTO/AIA/82B or equivalent) to identify the application to which the Power of Attorney is directed, in accordance with 37 CFR 1.5. If the Power of Attorney by Applicant form is not accompanied by this transmittal form or an equivalent, the Power of Attorney will not be recognized in the application.

Application Number	Not Yet Assigned
Filing Date	Concurrently Herewith
First Named Inventor	Thomas Cona
Title	METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	000137-0005-126

SIGNATURE of Applicant or Patent Practitioner

Signature	/Maxim A. Rapoport/	Date	April 18, 2024
Name	Maxim A. Rapoport	Telephone	(646) 973-2500
Registration Number	67,675		

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

[X] *Total of 1 forms are submitted.

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

PTO/AIA/82B (07-13)
Approved for use through 01/30/2018. OMB 0651-0051
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

POWER OF ATTORNEY BY APPLICANT

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

Application Number	Filing Date

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

[X] 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: 1473

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:

[X] 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):

SITNET LLC

[ ] Inventor or Joint Inventor (title not required below)

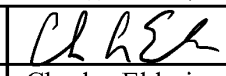
[ ] Legal Representative of a Deceased or Legally Incapacitated Inventor (title not required below)

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

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

SIGNATURE of Applicant for Patent

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

Signature		Date	02NOV22
Name	Charles Eldering		
Title	Manager of SITNET LLC		

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.

[X] Total of 1 forms are submitted.

UNITED STATES
PATENT AND TRADEMARK OFFICE

P.O. Box 1450
Alexandria, VA 22313 - 1450
www.uspto.gov

ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
18/639,859	**04/18/2024 08:19:33 PM Z ET**	**000137-0005-126**

Title of Invention

METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	6493	FILED BY	Shari Jackson
PATENT CENTER #	65154965	FILING DATE	-
CUSTOMER #	1473	FIRST NAMED INVENTOR	Thomas Cona
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Maxim Rapoport

Documents

TOTAL DOCUMENTS: 12

DOCUMENT		PAGES	DESCRIPTION	SIZE (KB)
000137-0005-126-ADS Adobe NEW.pdf		10	Application Data Sheet	2180 KB
000137-0005-126-POA.pdf		2	Power of Attorney	156 KB
000137-0005-126-PA.pdf		14	-	178 KB
000137-0005-126-PA-A.PE.pdf	(1-1)	1	Preliminary Amendment	104 KB
000137-0005-126-PA-SPEC.pdf	(2-2)	1	Specification	141 KB
000137-0005-126-PA-	(3-13)	11	Claims	133 KB

CLM.pdf				
000137-0005-126-PA-REM.pdf	(14-14)	1	Applicant Arguments/Remarks Made in an Amendment	104 KB
000137-0005-126-Track_One.pdf		1	Track One Request	187 KB
000137-0005-126-Drawings.pdf		45	Drawings-other than black and white line drawings	682 KB
000137-0005-126-Specification.pdf		52	-	5361 KB
000137-0005-126-Specification-SPEC.pdf	(1-50)	50	Specification	5273 KB
000137-0005-126-Specification-CLM.pdf	(51-51)	1	Claims	42 KB
000137-0005-126-Specification-ABST.pdf	(52-52)	1	Abstract	39 KB
000137-0005-126-Declaration.pdf		2	Oath or Declaration filed	192 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
000137-0005-126-ADS Adobe NEW.pdf	B55672CB548900D02572CDA64D3DC20A7FF6EA578B319E15F576E59C71EA68D1C0D3129A5112FF9709CCFEA5952447EED61125C6B9D296A9952B4BB08DB69FD8
000137-0005-126-POA.pdf	5780E8C28573D8691A5D7F164B1B241B0981359FFB60D8AEAE3D736BCFAFACC91DB5E642701A152AA6CBFDEC962C51E2337C997D5529B6DEF22E42ED0C36CC45

000137-0005-126-PA.pdf	1DA933F25B4E422381470EFC32FCB13CF533834FDE81FE691 2CE56399EA0DE2166D6EAE772FFBEB4BD16B99CAD2E370E8 E62BBAFF98DB9947C54EDDE99939E32
000137-0005-126-PA-A.PE.pdf	53D4DBD3B1973968004B2805A928FD8E0F032237FCBE356678 A5FE71745250F26125A454D4D8E46BC1DB1AB1ED8B24E6259 4EB60C71164876725855C3054BAC
000137-0005-126-PA-SPEC.pdf	D9B5C7A64353D0EA6C4E0602E58822C262B9DD848F149D4DB 15FB38CF2EBDAD95FC681A8362CA0CA080F72BF31CA758BF 293FA43B9FDB98C548BF789C81F1B8E
000137-0005-126-PA-CLM.pdf	FCF266714EBB74E4AC9B04EB747B53DC8942C0EC5B318ED0 41BD8B70755831569F4C2EDD37B615DFB7FEB439E8FBEFC95 FABA992B1CDF7C30E54DBDF4F750019
000137-0005-126-PA-REM.pdf	A36EA7DD1F36FA39668A07FD8FFF739E1303D3B356A1B04D0 8B93FA66440AC88A1A268DFB7433AFC0C637E277B2414C4FD 7A09823153CCDB2E3FAC4F8251F98F
000137-0005-126-Track_One.pdf	C18B5A8605D55B8688246F3FEBA0DE8D01A78968E104E7A7F 955C6A7376562F829F5273BD9DF565976C050F3640786408B60 FBFE0DF690C8974F24A07ADAF14E
000137-0005-126-Drawings.pdf	5A0487D76FF95527FD8F5E4F8F0D62DD51A3FB468223DF2F6 103D58EE4C3FA4861C16935346E452D4E5DC5F3C53F457E58 47FF929CF1DE761C549A89D783553F
000137-0005-126-Specification.pdf	5C4039FA5C39A740CE39355C950D0117DC215EA1DA790AAE E4847F3D1F53DB58404D1DDABC4C88AFEB59AB84EA54640B A00046B0925E88C8FD66225DEF24383B
000137-0005-126-Specification-SPEC.pdf	76BAB6CD9B24430A7B84B8A354EB17CE966E53AC8000F27A1 1A37975BAFB37BC939A082182FF2D7FC67ED3E0D1363CF348 3125B5D27B409E39C7B73CE0B5D7EE
000137-0005-126-Specification-CLM.pdf	2F5C1D08D10859E36E110DDA3C7C99E0ADA63954FFC7EDB7 D58C11AD7D9CA6843CB80A1A6199685D41D9E3DB099951F1 C88B3C6CD163740E89E88C2B0F73D261

000137-0005-126-Specification-ABST.pdf	A37B49C0623268536A2435DAA0D190C90B7B5DE57E6A312C1EC2CA267BAF167FF2E21289714D08A049F379796A09E9407793F60C2B990C91B89C7FE58C8C7308
000137-0005-126-Declaration.pdf	0BF4532F17F0BB6FB41332E0CD06F9746ACCF98B6E9D95993201D22DAB9BA39C8FF18C25CD2E65EFDDA581DA06DB479DE1AA7E82971A2BD0F6624065827682F4

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

PTO/AIA/01 (06-12)
Approved for use through 01/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

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

Title of Invention	METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK

As the below named inventor, I hereby declare that:

This declaration is directed to:

☐ The attached application, or

☒ United States application or PCT international application number 14/861,340

filed on September 22, 2015.

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

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

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

WARNING:

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

LEGAL NAME OF INVENTOR

Inventor: Patrick T. Igoe Date (Optional): May 11, 2016

Signature: PTI

Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have been previously filed. Use an additional PTO/AIA/01 form for each additional inventor.

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

PTO/AIA/01 (06-12)
Approved for use through 01/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

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

Title of Invention	METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK

As the below named inventor, I hereby declare that:

This declaration is directed to:

☐ The attached application, or

■ United States application or PCT international application number 14/861,340

filed on September 22, 2015.

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

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

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

WARNING:

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

LEGAL NAME OF INVENTOR

Inventor: Edward A. Ehrlacher Date (Optional): 5-9-2016

Signature: _____

Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have been previously filed. Use an additional PTO/AIA/01 form for each additional inventor.

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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



United States Patent and Trademark Office

Office of the Chief Financial Officer

Document Code:WFEE

User :Ayida Goitom

Sale Accounting Date:04/29/2024

Sale Item Reference Number	Effective Date
18639859	04/18/2024

Document Number	Fee Code	Fee Code Description	Amount Paid	Payment Method
I20244SI49395326	1051	LATE FILING FEE FOR OATH OR DECLARATION	$160.00	Deposit Account

PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number: 18/639,859

APPLICATION AS FILED - PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	SMALL ENTITY RATE($)	SMALL ENTITY FEE($)	OR	OTHER THAN SMALL ENTITY RATE($)	OTHER THAN SMALL ENTITY FEE($)
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A			N/A	320
SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A			N/A	700
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A			N/A	800
TOTAL CLAIMS (37 CFR 1.16(i))	30 minus 20 =	* 10			OR	x 100 =	1000
INDEPENDENT CLAIMS (37 CFR 1.16(h))	4 minus 3 =	* 1				x 480 =	480
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
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))							0
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL			TOTAL	3300

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
18/639,859	04/18/2024		3860	000137-0005-126	30	4

CONFIRMATION NO. 6493

FILING RECEIPT

1473
Haley Guiliano LLP
75 Broad Street
Suite 1000
New York, NY 10004-3226

Date Mailed: 05/01/2024

Receipt is acknowledged of this non-provisional utility patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF FIRST INVENTOR, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection.

Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please submit a written request for a corrected Filing Receipt, including a properly marked-up ADS showing the changes with strike-through for deletions and underlining for additions. If you received a "Notice to File Missing Parts" or other Notice requiring a response for this application, please submit any request for correction to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections provided that the request is grantable.

Inventor(s)

Thomas Cona, Athens, GA;
Patrick T. Igoe, Philadelphia, PA;
Leonid Kravets, Philadelphia, PA;
Edward A. Ehrlacher, Philadelphia, PA;

Applicant(s)

SitNet LLC, Dover, DE;

Power of Attorney: The patent practitioners associated with Customer Number 1473

Domestic Priority data as claimed by applicant

This application is a CON of 17/902,427 09/02/2022
which is a CON of 16/730,339 12/30/2019 PAT 11,470,682
which is a CON of 16/207,059 11/30/2018 PAT 10,524,307
which is a CON of 16/164,715 10/18/2018 PAT 10,375,759
which is a CON of 15/638,722 06/30/2017 PAT 10,117,290
which is a CON of 14/861,340 09/22/2015 PAT 9,877,345
which is a CON of 13/612,964 09/13/2012 PAT 9,143,535
which is a CON of 13/274,712 10/17/2011 PAT 8,332,454
which is a DIV of 11/924,711 10/26/2007 PAT 8,069,202
which claims benefit of 60/887,843 02/02/2007

Foreign Applications for which priority is claimed (You may be eligible to benefit from the Patent Prosecution Highway program at the USPTO. Please see http://www.uspto.gov for more information.) - None.

Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

Permission to Access Application via Priority Document Exchange: No

Permission to Access Search Results: No

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

If Required, Foreign Filing License Granted: 04/29/2024

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 18/639,859**

Projected Publication Date: 08/08/2024

Non-Publication Request: No

Early Publication Request: No
Title

METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK

Preliminary Class

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

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

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

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

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

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign

patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at http://www.uspto.gov/web/offices/pac/doc/general/index.html.

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

LICENSE FOR FOREIGN FILING UNDER

Title 35, United States Code, Section 184

Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

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

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

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

NOT GRANTED

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

SelectUSA

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

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
18/639,859	04/18/2024	Thomas Cona	000137-0005-126

CONFIRMATION NO. 6493

1473
Haley Guiliano LLP
75 Broad Street
Suite 1000
New York, NY 10004-3226

INFORMAL NOTICE

OC000000071937671

Date Mailed: 05/01/2024

INFORMATIONAL NOTICE TO APPLICANT

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

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

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

  Thomas Cona
  Leonid Kravets

  An inventor's oath or declaration in compliance with 37 CFR 1.63 or 1.64 executed by or with respect to each inventor must be submitted no later than the date on which the issue fee is paid in response to a notice requiring such fee. See 37 CFR 1.53(f).

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

/agoitom/

United States Patent and Trademark Office

Under Secretary of Commerce for Intellectual Property and
Director of the United States Patent and Trademark Office

WELCOME TO THE UNITED STATES PATENT AND TRADEMARK OFFICE (USPTO)

*Congratulations on taking the first step to protect your invention. You can now advertise or mark any products covered by this application for your invention as **"Patent Pending"** for as long as this application is pending!*

We are here to help you on the rest of your journey.

New to the process? The Patent Basics page will take you from "What is a patent?" to assistance with the application process.

- **www.uspto.gov/PatentBasics**

Consider cost savings. You might qualify for small entity or micro entity status, which means a discount on most USPTO patent fees.

- **www.uspto.gov/EntityStatus**

Become a registered electronic filer (eFiler). You'll gain access to the full capabilities of Patent Center. As a registered eFiler, you can electronically view your submission, track the progress of your application, and respond to USPTO correspondence.

- **www.uspto.gov/NewPatentFilers**

Learn how to identify which of your creative ideas might be intellectual property assets and how to protect them by using the USPTO Intellectual Property (IP) Identifier.

- **ipidentifier.uspto.gov**

We also provide Pro Se Assistance, support specifically geared for **independent inventors without an attorney or agent.** Follow the link below, call us at 866-767-3848, or email **proseassistancecenter@uspto.gov**.

- **www.uspto.gov/ProSePatents**

Need help near you? We have regional offices across the country, as well as Patent and Trademark Resource Centers in libraries in nearly every state, with specialists standing by to help you at no cost.

- **www.uspto.gov/locations**
- **www.uspto.gov/ptrc**

Contact us:

- **General information:** USPTO Contact Center
  - **www.uspto.gov/help**
- **Patent Center:**
  Patent Electronic Business Center
  - **www.uspto.gov/EBC**
- **Pre or post-examination:** Application Assistance Unit
  - **www.uspto.gov/PatentAssistance**

Want to learn more?

- **Access our free services** all in one spot. Find all of our contact centers, nationwide services, events, education, and training.
  - **www.uspto.gov/FreeServices**
- **Connect with us** on Instagram, LinkedIn, Twitter, Facebook, and YouTube.
- **Hear about resources for startups, inventors, and entrepreneurs,** as well as our initiatives engaging women, the military community, and others. These programs offer helpful tips and tricks on identifying and managing your IP, finding options for funding, and expanding your network to support your business.
  - **www.uspto.gov/startups**
  - **www.uspto.gov/inventors**
  - **www.uspto.gov/initiatives**
- We hope you connect with us by subscribing to receive important notifications by email.
  - **www.uspto.gov/subscribe**

Kathi Vidal

Kathi Vidal
Under Secretary of Commerce for Intellectual Property and
Director of the United States Patent and Trademark Office

Derrick Brent
Deputy Under Secretary of Commerce for Intellectual Property and
Deputy Director of the United States Patent and Trademark Office

UNITED STATES
PATENT AND TRADEMARK OFFICE

P.O. Box 1450
Alexandria, VA 22313 - 1450
www.uspto.gov

ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
18/639,859	**05/02/2024 01:29:07 PM Z ET**	**000137-0005-126**

Title of Invention

METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	6493	FILED BY	Margaret Roslik
PATENT CENTER #	65350144	FILING DATE	04/18/2024
CUSTOMER #	1473	FIRST NAMED INVENTOR	Thomas Cona
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Maxim Rapoport

Documents

TOTAL DOCUMENTS: 19

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
FOR_1_JP2006085250A_714025.pdf	7	Foreign Reference	273 KB
FOR_2_WO0069132A1_714024.pdf	43	Foreign Reference	1575 KB
NPL_10_WeatherBug_713504.pdf	6	Non Patent Literature	536 KB
NPL_11_Schneiderman_713494.pdf	1	Non Patent Literature	200 KB
NPL_12_Share_your_world_713502.pdf	4	Non Patent Literature	650 KB

NPL_13_Social_Networking_713499.pdf	8	Non Patent Literature	1291 KB
NPL_14_Sydell_713492.pdf	1	Non Patent Literature	70 KB
NPL_15_Send_Word_Now_713493.pdf	11	Non Patent Literature	1145 KB
NPL_16_Ziv_713755.pdf	7	Non Patent Literature	258 KB
NPL_1_Notify!_713495.pdf	5	Non Patent Literature	259 KB
NPL_2_BIEVER_2007_713496.pdf	2	Non Patent Literature	776 KB
NPL_3_Dane_County_713501.pdf	10	Non Patent Literature	590 KB
NPL_4_Hales_2020_713500.pdf	20	Non Patent Literature	306 KB
NPL_5_HARRISON_2006_713503.pdf	24	Non Patent Literature	8317 KB
NPL_6_Jackson_713497.pdf	5	Non Patent Literature	440 KB
NPL_7_Kim_713498.pdf	3	Non Patent Literature	172 KB
NPL_9_Phillips_713505.pdf	11	Non Patent Literature	706 KB
NPL_8_NeNA_Technical_Requirements_2006_713948.pdf	33	Non Patent Literature	5434 KB
000137-0005-126-SB08.pdf	17	Information Disclosure Statement (IDS) Form (SB08)	1264 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
FOR_1_JP2006085250A_714025.pdf	E5649B6ABBB74010DBE9D5A2CBF31790511DA3862E64CE3868A3E88939C1655942AF3C1E6056DA8930B5A8A348A1E82BF43E9B281F64B4479136596ADA31540F
FOR_2_WO0069132A1_714024.pdf	F7AEF29553A20A1793822431F6D3B8B2F760630E2621B252B1AFF870E06F9347E2E693340D4053E8040E47A79243C51135CE0CF7D9C7F17C158975C5DA872432
NPL_10_WeatherBug_713504.pdf	CE5BDB89AEBCA5C034C8D1579FAD6356C1B8C2EABBEACC2937651585C88633764BDF40CC9300BEF8E020C541AACDBAF8E1D96E5B56D9780B82D3CE6B92A0F131
NPL_11_Schneiderman_713494.pdf	35CF118A91B3DF3CB439A80B5D239CAA1E95777FCF3F85FA93E6EFE9832E7F8B21985404CE223748DD3EAF04A63F05DB99BD6528AE1350A2CCC80AF5EEC51941
NPL_12_Share_your_world_713502.pdf	C713A536DEA01614DAF44236168B667209083 6E9581F6FC7EF1EA07B38F92F06B01D4772133C18DEC0ECB1F014267DE096BBF868FAA8A0C1DC1E2EDC4081D676
NPL_13_Social_Networking_713499.pdf	B44E60773EA3B1AB523C43E24B1BB027D0B25447B2E9BC92520A7FB1C68E1F65A5BFD3CB36A040055632A8B233B5FA322C2B8166B6707AB4850553E5358BB753
NPL_14_Sydell_713492.pdf	67C66A3AC4D60F8C27604B88147CE6E5639040E8910E402D4CFD1DFD183BCDEB0B24B515857CC26C601718D059E22D74EA5A652A59D97F2AFCF48811B9D64A5D
NPL_15_Send_Word_Now_713493.pdf	33F912F09B96F88981ED4E3E5BF1865E526B037775C856830D446FEB51CACE7C2CA31370A81A9AEE14B9BFF13B0EE3F2A447DE803AC7C13873A35093ECCD8145
NPL_16_Ziv_713755.pdf	426EC7C9962018EAC8BABBC1726C2FBBB68C29635E80A73FC43F0BCC90C8542217DE9F2DD2D27DB208A8CAB276686A311A5EA03F27A667E2DA11DBB55C06DCD5
NPL_1_Notifyl_713495.pdf	83E551EC6690D815286EBC9F589A44C2ECA6529A0CE3B78876EC319C88967D2CF206770B9549BE219E148E1C41C0868C791

	94FF5A402D6F055F1C621588518B4
NPL_2_BIEVER_2007_713496.pdf	876BECC7D47B2BF58182157C09BE1E244C54186E05E82F134008472AF9769E086DEE78C5FCCA96348DCEB6E52932E805ADED3A51A9C7CFE77EB29CA767CD2494
NPL_3_Dane_County_713501.pdf	A14050BDC4F39C8AED86980239EE18AB63A4B045DED292B97B97FF764CA4886AE4C875FA4C8E7147CB51A550940145B3A30EFBED401FF9B4543F0747A8839160
NPL_4_Hales_2020_713500.pdf	5D1B0E3838AEB2BBB3586C26E3B218CF13D243ABA0570EB7689BA20101A45CA7752A3FCEB560A3BF7029361CD1033C7A71D15CB7E9C912774B080A8591989509
NPL_5_HARRISON_2006_713503.pdf	3E716997297FA5925106B5960FF8B60EBA65E16F356F038C939F12933A9B86B2E357A775660ED3C78AD94E544A17447D7C0D718FAD5D5CD7ED8C531A35654F37
NPL_6_Jackson_713497.pdf	0877F680A7BCF35745022F384F279A0AE6CFA8C330F8920ECFE1E88F183AF03B4D6D9B3170DF4F95930C99DC97BAF2D556F4C5B20F015635D66F3A05D19375B6
NPL_7_Kim_713498.pdf	E6D00927E1298EF171F112CE19D2CE73E32D39A1D97C0BBC3B01E28B3FCD3D3BAE46A61BC17A3EDC22D39FEEBBB424DB6940C7C170EDA4BDDA3C9DBF7C493FC7
NPL_9_Phillips_713505.pdf	D6BB1C7FF07ADB68A98A45E7F3AF3A8AE064F9602AE1C52AB9B63430DD97A9FD8FA8575AFDA0DC5B5A32B55A89CD16EBC2E5442FDB6E96C139FBB044D6B36883
NPL_8_NeNA_Technical_Requirements_2006_713948.pdf	F87B9F668A71290F12A39B89C81B76466B72AD432988DABE051C4C71AB3A2055AE17C56E4D9ACF02EF542C44F620BE304135FCE2C8B35FE30C3233D65F4437FE
000137-0005-126-SB08.pdf	8E5957FE8D11AD0EAE1DCB890E4E568E675CCDC9E7D1A1E1B9EB246F183BD069AC3B01F013BCBE2F9A3269BD5868CF8C33CA13396145A8FE4441E8D469DB52BD

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

described in MPEP 503.

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

Publication Number: JP 2006-085250 A
Publication Date: Mar 30, 2006

Abstract

PROBLEM TO BE SOLVED: To quickly notify the occurrence of any abnormality including the contents thereof, and to accurately and quickly perform a roll call or evacuation guidance of students in a disaster prevention system in a school or the like. ;SOLUTION: Portable radio terminals 3, 3, ... connected through access points 2, 2, ... to a school network 1 are respectively provided with a function for performing the attendance/absence recording and confirmation (a roll call) of students or the like, a function for acquiring and displaying a proper evacuation route from the position of an accessible access point and a function for transmitting emergency notification corresponding to the abnormality contents with the location information of the accessible access point to center communication equipment 4 by a simple operation when the abnormality occurs. ;COPYRIGHT: (C)2006,JPO&NCIPI

(19)日本国特許庁(JP)　(12)公開特許公報(A)　(11)特許出願公開番号
特開2006-85250
(P2006-85250A)
(43)公開日　平成18年3月30日(2006.3.30)

(51)Int.Cl.		F I			テーマコード（参考）
G08B 25/12	(2006.01)	G08B	25/12		5C087
G08B 25/00	(2006.01)	G08B	25/00	510K	5K101
G08B 25/04	(2006.01)	G08B	25/04	E	
G08B 27/00	(2006.01)	G08B	27/00	A	
H04M 11/04	(2006.01)	H04M	11/04		

審査請求 未請求　請求項の数 1　OL　（全 6 頁）

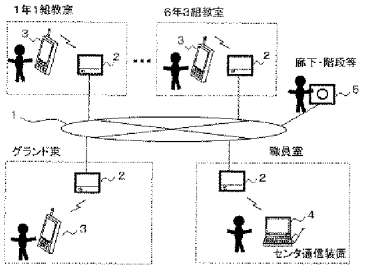
(21)出願番号　特願2004-266833 (P2004-266833)
(22)出願日　平成16年9月14日 (2004.9.14)

(71)出願人　000001122
株式会社日立国際電気
東京都中野区東中野三丁目１４番２０号
(74)代理人　100093872
弁理士　高崎　芳紘
(72)発明者　栗原　修
東京都中野区東中野三丁目１４番２０号
株式会社日立国際電気内
(72)発明者　中村　和正
東京都中野区東中野三丁目１４番２０号
株式会社日立国際電気内
(72)発明者　森田　正夫
東京都中野区東中野三丁目１４番２０号
株式会社日立国際電気内

最終頁に続く

(54)【発明の名称】防災システム

(57)【要約】
【課題】学校等の防災システムにおいて、異常の発生をその内容を含めて迅速に通報し、さらに生徒等の点呼や避難誘導等を正確且つ迅速に行えるようにする。
【解決手段】アクセスポイント２、２…を介して校内ネットワーク１へ接続可能な携帯無線端末３、３…に、生徒等の出欠記録と確認（点呼）を行うための機能と、アクセス可能なアクセスポイントの位置から適切な避難経路を取得して表示する機能と、異常発生時にその異常内容に応じた緊急通報をアクセス可能なアクセスポイントの位置情報とともに簡単操作でセンタ通信装置４へ送信する機能を設ける。
【選択図】図２



【特許請求の範囲】
【請求項1】
１又は複数の携帯無線端末と、校内ネットワークと、この校内ネットワークを介して前記携帯無線端末と通信するセンタ通信装置と、前記校内ネットワークと携帯無線端末とを接続するアクセスポイントとを備えた防災システムにおいて、
前記携帯無線端末は、当該携帯無線端末の所持者が管割するメンバーの出欠状況を登録し確認する第１機能と、異常事態発生時の避難経路を当該携帯無線端末がアクセス可能なアクセスポイントの位置情報をキーとして検索し取得する第２機能と、異常事態発生時にその異常事態の内容に応じた緊急通報とアクセス可能なアクセスポイントの位置情報とを前記校内ネットワークを介して前記センタ通信装置へ備えられた通報用ボタンの操作のみで通報する第３機能との内の少なくとも１つの機能を備えたことを特徴とする防災システム。

【発明の詳細な説明】
【技術分野】
【0001】
本発明は防災システムに係り、特に学校等での不測の事態発生の防止や迅速な対処を可能とする防災システムに関する。
【背景技術】
【0002】
学校等の構内への不審者の侵入や火災発生等の不測の事態に対処する対処法としては、監視カメラや各種センサによる監視、非常用ボタン押下による通報や警報ベルの鳴動等がある。しかし、特に不審者侵入の場合、入構してきた人物が不審者か否かを自動的に判断するのは容易でないから、教師や職員等の第一発見者が他職員等に通報して対処行動を迅速に行えるようにするのが好ましい。
【0003】
不審者侵入等は、例えばグランドで授業中の教師が発見する確率が大きいが、このような場所では建物等に固定された非常用ボタンの所まで行かないと通報操作ができない。例え比較的近くにあっても子供達の安全確保の行動も同時に求められるから、そのような通報行動が困難な状況も起こりうる。
【0004】
上記したような状況に対処するための従来技術として、例えば特許文献１に記載された「学校施設緊急連絡システム」がある。この従来技術では、ＰＨＳ端末を各職員に所持させ、校内の複数個所にアンテナとＰＨＳ用基地局を配置し、職員室等にサーバを設けて校内ＬＡＮを構成する。ＰＨＳ端末にはそれぞれ固有の内線番号が与えられていて互いに通信が行えると共に、特定の呼出番号を緊急通報として利用する。緊急通報が発せられた場合にはその内容や通報者がサーバに表示され、またその通報を受信したアンテナ位置も表示することで問題発生の位置情報が表示される。
【特許文献1】特開２００３－３４６２５７号公報
【発明の開示】
【発明が解決しようとする課題】
【0005】
前記した従来技術によれば、個々の職員がＰＨＳ端末を用いて通報やメッセージ交換できるので、固定場所に設置された非常用ボタン等のところまで行かなくても通報が可能となり、又通報を発報した位置、即ち問題発生場所もサーバ表示によって他職員が即座に認識できる。
【0006】
しかし、異常な事態といってもその内容は火災、不審者の侵入、犯罪行為の発生等と種々ありうるが、ＰＨＳ端末ではメール機能や通話によってその内容を通報する必要があり、発見者がそのための端末操作をやっている余裕のない場合がある。又、生徒達の安全確保のためには出席状況やその場にいるかどうかの確認、避難経路の把握などを迅速に行う

必要もあり、上記従来技術ではこのような点での対応が難しい。

【0007】

本発明の目的は、迅速な通報を異常事態の内容を含めて行え、さらに生徒がいるか否かの把握や避難経路の把握を迅速に行える防災システムを提供することにある。

【課題を解決するための手段】

【0008】

本発明は、１又は複数の携帯無線端末と、校内ネットワークと、この校内ネットワークを介して前記携帯無線端末と通信するセンタ通信装置と、前記校内ネットワークと携帯無線端末とを接続するアクセスポイントとを備えた防災システムにおいて、

前記携帯無線端末は、当該携帯無線端末の所持者が管割するメンバーの出欠状況を登録し確認する第１機能と、異常事態発生時の避難経路を当該携帯無線端末がアクセス可能なアクセスポイントの位置情報をキーとして検索し取得する第２機能と、異常事態発生時にその異常事態の内容に応じた緊急通報とアクセス可能なアクセスポイントの位置情報とを前記校内ネットワークを介して前記センタ通信装置へ備えられた通報用ボタンの操作のみで通報する第３機能との内の少なくとも１つの機能を備えたことを特徴とする防災システムを開示する。

【発明の効果】

【0009】

前記第一機能を備えれば、生徒等の出欠状況を記録しておき、異常時にはその記録を参照して点呼を容易・確実に行える。前記第２機能を備えれば、構内の情報に不慣れな場合でも避難誘導を正確且つ迅速に行える。さらに前記第３機能を備えれば、異常発生の内容と場所が簡単な操作でセンタ通信装置に伝えられ、この情報の表示や他携帯無線端末への通知により事態の全職員等による迅速な把握と対処が可能になる。

【発明を実施するための最良の形態】

【0010】

以下、本発明の実施の形態を説明する。図２は本発明の防災システムを構成する校内ＬＡＮの説明図で、アンテナを備えたアクセスポイント２、２…が教室、グランド、職員室等に設けられ、また緊急ボタン５が廊下、階段等に設けられ、これらアクセスポイントや緊急ボタンは校内ネットワーク１に接続される。職員が所持する携帯無線端末３、３…は、いずれかのアクセスポイントの通信可能エリアにいる時に当該アクセスポイント経由でセンタ通信装置４又は他の携帯無線端末と通信可能である。センタ通信装置４はモバイル型パソコン等の、携帯無線端末と同様に移動可能な装置とする。

【0011】

図１は、携帯無線端末３の操作面の例を示したもので、メニューボタン１１、カーソル操作ボタン１２、確定ボタン１３、表示画面１４等が図示されている。この他にも通常の携帯電話機と同様に電源オン／オフ、通話用のオン／オフフック、数字／文字入力等々のためのボタンが必要に応じて設けられるが、図１では本発明の特徴的な部分のみを図示している。

【0012】

図３は、メニューボタン１１を押下した時に表示されるメニューの一部を示しており、「緊急発報」「出欠」「避難点呼」「メール」「通話」「ＲＦＩＤ　ＲＥＡＤ」「避難経路」等から成っていて、カーソル操作ボタン１２の操作で選択され、確定ボタン１３押下で起動される。また数字キーが設けられていれば、メニュー項目に付けられた番号を入力して選択するようにしてもよい。

【0013】

「緊急発報」は不審者発見時等に用いるもので、起動されると異常発生がセンタ通信装置４へ通報され、発報した携帯無線端末のＩＤ又は所持者名及び経由したアクセスポイント位置とともにセンタ通信装置４の表示画面へ表示される。またこの表示内容は、センタ通信装置４の処理によって他の携帯無線端末へも通知され、表示される。なお、この「緊急発報」メニュー選択時に、サブメニューとして「不審者発見」「火災発生」「生徒けが

」等を表示し、それを選択・決定することで異常の内容に対応した緊急発報を行うようにすれば、他職員は即座に何が起こったかを認識できる。

【0014】

「出欠」は、教師が出欠確認を教室等で行うときに用いるもので、これが起動された時は図１の表示画面１４に例示したような表示が行われ、カーソル操作ボタン１２及び確定ボタン１３の操作によって出欠の記録を行う。この出欠データは当該携帯無線端末内の不揮発性メモリに格納するのが好ましい。又、センター通信装置へ送信してセンター通信装置側でも出欠状況を把握できるようにしてもよい。

【0015】

「避難点呼」は、生徒達を避難させる時の点呼をサポートするモードで、起動すると「出欠」モードにより得られた出欠データが図１のように表示され、これをみて教師はグランド等にいるときでも容易且つ確実に点呼が行える。

【0016】

「メール」「通話」はセンタ通信装置４と携帯無線端末３、３…との間、あるいは携帯無線端末３間のメール交換や通話を行うときに選択する。これは通常のＰＨＳ通話等と同様の機能であって、異常事態等の確認や校長等からの指示に用いる。

【0017】

「ＲＦＩＤ　ＲＥＡＤ」は、生徒が自分のＩＤを格納した無線タグを所持していて、かつそれを読みとる機能を携帯無線端末が備えている時に利用できるモードで、この場合には「避難点呼」を自動化して短時間に行え、避難行動を迅速に行える。

【0018】

「避難経路」は、生徒を誘導すべき避難経路を確認するためのモードで、これを選択・起動すると、通信可能なアクセスポイントと交信して自端末の位置を検出し、その位置に対応した避難経路を画面に表示する。これによって緊急時でも、またその学校に不慣れな職員であっても、適格な避難誘導を行うことができる。なおこの避難経路の情報は、センタ通信装置４に格納しておいて各携帯無線端末が校内ネットワーク１経由でアクセスして取得するようにしてもよいし、各携帯無線端末がその情報を内蔵して利用できるようにしてもよい。

【0019】

なお、センタ通信装置４は、通常職員室に配置するが、職員室が火災等となった時は他の場所でも機能できる必要があり、このためにセンタ通信装置４はモバイル型のパソコン等の移動可能なものとしている。

【図面の簡単な説明】

【0020】

【図1】本発明の特徴とする携帯無線端末操作面の説明図である。

【図2】本発明のシステム構成説明図である。

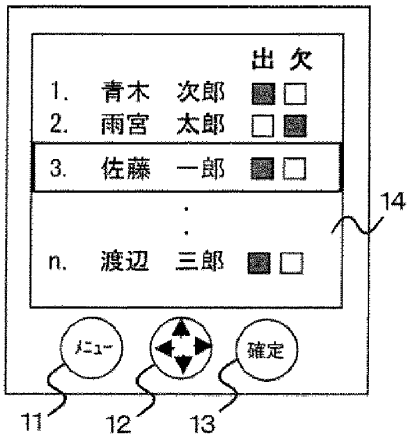
【図3】携帯無線端末操作面のメニュー例である。

【符号の説明】

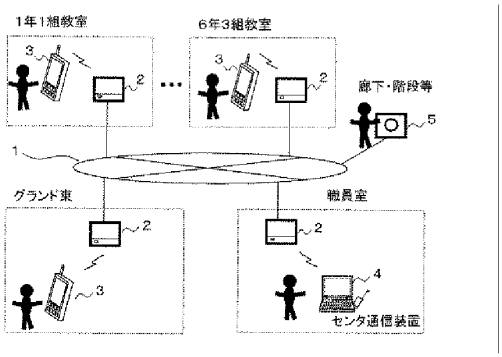
【0021】

１　校内ネットワーク
２　アクセスポイント
３　携帯無線端末
４　センタ通信装置
１１　メニューボタン
１２　カーソル操作ボタン
１３　確定ボタン
１４　表示画面

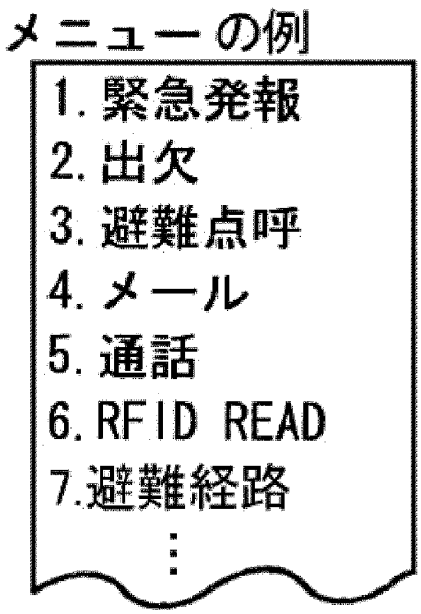
【図1】


出 欠
1. 青木 次郎
2. 雨宮 太郎
3. 佐藤 一郎
n. 渡辺 三郎
14
メニュー
確定
11
12
13

【図2】


1年1組教室
6年3組教室
廊下・階段等
グランド東
職員室
センタ通信装置

【図3】


メニューの例
1. 緊急発報
2. 出欠
3. 避難点呼
4. メール
5. 通話
6. RFID READ
7. 避難経路

(72)発明者　羽田　次郎
東京都中野区東中野三丁目１４番２０号　株式会社日立国際電気内

Ｆターム(参考) 5C087 AA03 AA10 BB11 BB18 DD03 DD31 FF23
5K101 KK14 LL00 LL12 MM07 NN01 NN17 NN21 RR12

PCT WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 7 :		(11) International Publication Number:	WO 00/69132
H04L 12/66, H04M 1/64, 3/50, G06F 13/38	A1	(43) International Publication Date:	16 November 2000 (16.11.00)

(21) International Application Number: PCT/AU00/00430

(22) International Filing Date: 11 May 2000 (11.05.00)

(30) Priority Data:
PQ 0285 11 May 1999 (11.05.99) AU

(71) Applicant *(for all designated States except US)*: VISTA GROUP PTY LIMITED [AU/AU]; 1037 Old Northern Road, Dural, NSW 2158 (AU).

(72) Inventor; and
(75) Inventor/Applicant *(for US only)*: MCNAMEE, John, Christopher [AU/AU]; 1037 Old Northern Road, Dural, NSW 2158 (AU).

(74) Agent: GRIFFITH HACK; GPO Box 4164, Sydney, NSW 2001 (AU).

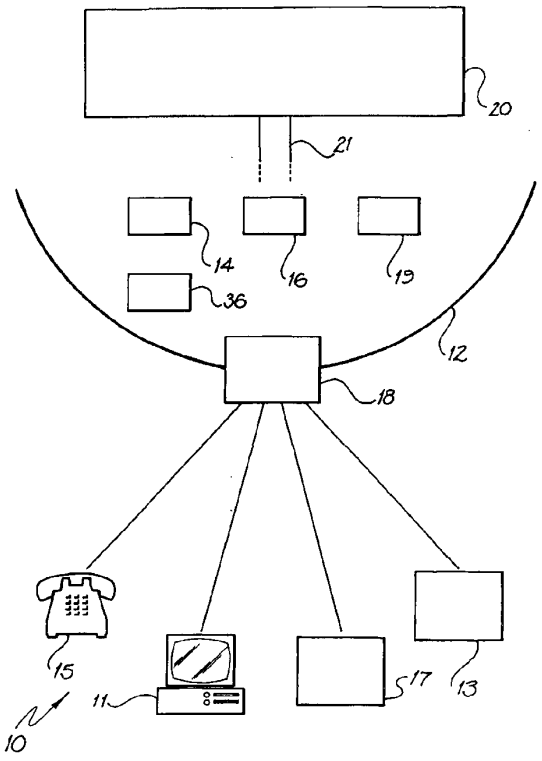
(81) Designated States: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published
With international search report.

(54) Title: TELECOMMUNICATIONS SYSTEM

(57) Abstract

A mail system is disclosed which is accessible by a caller using an external first communications link. The system includes a plurality of client mail accounts, each client mail account being associated with a client, means for receiving and storing messages in said client accounts, means for identifying and verifying a client, and means for retrieving messages from a client account. The mail system may also include means for establishing a second communications link from the mail systems, means for connecting a caller to the second link and means for maintaining the first link, upon the termination of the second link.



FOR THE PURPOSES OF INFORMATION ONLY

Codes used to identify States party to the PCT on the front pages of pamphlets publishing international applications under the PCT.

AL	Albania	**ES**	Spain	**LS**	Lesotho	**SI**	Slovenia
AM	Armenia	**FI**	Finland	**LT**	Lithuania	**SK**	Slovakia
AT	Austria	**FR**	France	**LU**	Luxembourg	**SN**	Senegal
AU	Australia	**GA**	Gabon	**LV**	Latvia	**SZ**	Swaziland
AZ	Azerbaijan	**GB**	United Kingdom	**MC**	Monaco	**TD**	Chad
BA	Bosnia and Herzegovina	**GE**	Georgia	**MD**	Republic of Moldova	**TG**	Togo
BB	Barbados	**GH**	Ghana	**MG**	Madagascar	**TJ**	Tajikistan
BE	Belgium	**GN**	Guinea	**MK**	The former Yugoslav Republic of Macedonia	**TM**	Turkmenistan
BF	Burkina Faso	**GR**	Greece			**TR**	Turkey
BG	Bulgaria	**HU**	Hungary	**ML**	Mali	**TT**	Trinidad and Tobago
BJ	Benin	**IE**	Ireland	**MN**	Mongolia	**UA**	Ukraine
BR	Brazil	**IL**	Israel	**MR**	Mauritania	**UG**	Uganda
BY	Belarus	**IS**	Iceland	**MW**	Malawi	**US**	United States of America
CA	Canada	**IT**	Italy	**MX**	Mexico	**UZ**	Uzbekistan
CF	Central African Republic	**JP**	Japan	**NE**	Niger	**VN**	Viet Nam
CG	Congo	**KE**	Kenya	**NL**	Netherlands	**YU**	Yugoslavia
CH	Switzerland	**KG**	Kyrgyzstan	**NO**	Norway	**ZW**	Zimbabwe
CI	Côte d'Ivoire	**KP**	Democratic People's Republic of Korea	**NZ**	New Zealand		
CM	Cameroon			**PL**	Poland		
CN	China	**KR**	Republic of Korea	**PT**	Portugal		
CU	Cuba	**KZ**	Kazakstan	**RO**	Romania		
CZ	Czech Republic	**LC**	Saint Lucia	**RU**	Russian Federation		
DE	Germany	**LI**	Liechtenstein	**SD**	Sudan		
DK	Denmark	**LK**	Sri Lanka	**SE**	Sweden		
EE	Estonia	**LR**	Liberia	**SG**	Singapore		

TELECOMMUNICATIONS SYSTEM

The invention is described in the following statement:

The invention relates to improvements in telecommunications systems. The invention has application in telecommunications systems that support an interactive voice structure. The invention also relates to telecommunications systems that provide document delivery services and/or financial services through a telecommunications network. The invention further relates to a telecommunications system structure that can be used in implementing the above systems though the structure also has application in more conventional systems.

In the specification, the term "messages" is used broadly and will be understood to mean audible messages, facsimile messages, electronic messages, that is, messages such as e-mail, voice messages, or any other information which is audible or viewable or convertible to a format which is audible or viewable.

In this specification, the terms 'voice messages', 'voice documents' and 'voice files' will be understood to mean messages, documents and files which contain information which is readily convertible into audible format.

In a first form, the invention resides in a mail system accessible by a caller using an external first communications link, said system including a plurality of client mail accounts, each client account being associated with a client, means for receiving and storing messages in said client accounts, means for identifying and verifying a client, means for retrieving messages from a said client account, said system further including means for establishing a second communications link from said mail system, means for connecting a caller to said second link and means for maintaining said first link upon termination of said second link.

In one embodiment of this form of the invention, the second communications link connects the client to a telephone address selected by the client.

In a second embodiment, the second communications link connects the client to one of a limited number of addresses specified by the client for that client account.

Preferably, the first communications link connects the mail system to a user interface. The user interface is preferably a telephone, cellular phone, pager, computing device, or Wireless Application Protocol (WAP) terminal.

Preferably, the second communications link connects the mail system to an extension of a telephone network, for example a Public Switched Telephone Network (PSTN), and the mail system further includes means for detecting a busy or engaged signal on said extension, and means for automatically establishing the second communications link between said client and said extension through said mail system when said busy signal or said engaged signal is no longer detected.

Preferably, the mail system further includes means for storing messages in a client account in electronic form such that said messages can be retrieved by a client using a computing device and a modem.

Preferably, the mail system further includes means for converting messages stored in electronic form to voice messages so that a client may receive voice messages from the mail system.

The mail system preferably further includes voice recognition means adapted to recognise speech and to generate system commands in response to the recognised speech.

A second form of the invention resides in a mail system including a voice user interface, a graphical user interface, a user access path having a path structure including a plurality of user selectable options, means to convey said path structure to a user through said voice user interface, and means to convey said path structure to a user through said graphical user interface.

Preferably, the path structure is customisable by a user with either the voice user interface or the graphical user interface. The path structure is preferably conveyed in the form of a menu structure.

Preferably, the form of the path structure conveyed through the voice user interface corresponds to the form of the path structure conveyed through the graphical user interface.

This form of the invention provides a more user friendly mail system than prior art systems because the user is able to connect to the system and receive the system options in either a voice format or a graphical format.

This form of the invention also provides a more user friendly mail system than prior art systems because system familiarisation and customisation obtained by the user through use of the graphical user interface allows the user to conjure a mental image when using the voice interface.

In a third form, the invention resides in a mail system including a plurality of user mail accounts, means to access said system from an external communications link, distributing means adapted to distribute a plurality of documents to a plurality of user mail accounts through said external communications link, means for facilitating access by a user to a user mail account associated with the user, and means for retrieving documents stored in the user mail account.

Preferably, in each of the abovementioned forms of the invention, the mail system is a voicemail system.

In a fourth form, the invention resides in a telecommunications network including a plurality of user accounts, each user account being associated with a user and each user account including a user message receiving account and a user financial transaction account, a user financial server adapted to receive a financial commodity and to distribute said financial commodity into at least one said user transaction account, means for entering a receipt message into at least one said

user message account, said receipt message corresponding to receipt of a financial commodity in said at least one user financial account, and means for facilitating retrieval of messages from the at least one user message account by said user.

The financial commodity may correspond to a monetary value or to reward points of a customer loyalty scheme.

Preferably, a user message account includes a voicemail account, the arrangement being such that a user can retrieve messages from the voicemail account by accessing the network from an external user interface.

A user may retrieve electronic messages by accessing the network from an external computer terminal or through a computer network such as the world wide web.

The network preferably includes a Text To Speech (TTS) converter, adapted to cooperate with said user message accounts so that electronic text messages are retrievable from a user message account as voice messages.

This fourth form of the present invention facilitates telephone and internet banking by co-locating a user message account and the corresponding user financial account. All financial transactions including payments, withdrawals and deposits generate messages relating to those transactions in the appropriate user message account.

In a fifth form, the invention resides in a document delivery system including a plurality of user accounts, each user account being associated with a user and each account including a message receiving account and a financial transaction account, means to receive and transfer messages into said message account, said messages including messages relating to user financial statements, message retrieval means for retrieving messages from said message account, and means for facilitating transfer by a user of a financial commodity from the financial transaction account of the user.

Preferably, the financial statement messages are received from an external entity and the financial commodity transfer means includes means for transferring a financial commodity to a financial account specified by said entity.

The financial statements may be related to receipt of funds into a user's financial transaction account, transfer of funds from a user's account, a financial liability of a user such as a credit card debt, loan repayment or invoice, or an investment related statement such as an interest bearing deposit, a share distribution statement, or a share purchase or registration record.

In order to assist startup viability of the new system, it is preferred that the financial accounts in the fourth and fifth forms of the invention are accounts existing within an established institution to which respective linked mail accounts are then added.

A sixth form of the invention resides in a telecommunication system including one or more data storage sites, means for establishing a connection with a user at a user interface through a telecommunications link, a random access memory, means for loading one or more storage applications into said random access memory, means for receiving user provided commands through said connection, means for opening a data storage site in response to a user request, wherein opening said data storage site includes allocating a portion of said random access memory to said data storage site, and loading one or more software applications into said allocated random access memory, wherein at least one of said loaded software applications prompts a user to provide commands to perform one or more processes in said allocated random access memory, said allocated random access memory being made available for re-allocation to a data storage site in response to either termination of the user connection or a conclusion of said processes operating in said allocated random access memory.

Preferably, the system further includes processing means adapted to carry out said one or more processes in response to the commands.

Preferably, the system further includes means for identifying a user as one of a plurality of user types, wherein at least one of said loaded software applications is loaded dependent on said user types.

Preferably, access to the data storage site is provided on two or more levels, access to at least one of those levels being protected by a firewall.

Preferably the level of access provided to a user determines the data that a user can view or retrieve and/or the software applications that the user can access.

Preferably, the data communications link allows the transfer of electronic files from the data storage site to the allocated random access memory. The system preferably further includes software storage means linked to the random access memory.

Alternatively, or in addition, the software applications may be stored in the data storage or loaded into the random access memory through an external telecommunications link, for example from the world wide web. Accordingly, the system may further include software access means linked to the random access memory, the surface access means being adapted to access software stored at a remote location.

The present invention will now be described, by way of example only, with reference to the accompanying drawings, in which:

Fig 1 is a schematic showing an exemplary network structure for the present invention;
Fig 2 is a schematic showing an exemplary memory structure;
Fig 3 is a schematic showing a user connection to a client account;
Fig 4 is a schematic of an exemplary visitor menu structure;
Fig 5 is a schematic of an exemplary client menu structure;
Fig 6 is a schematic showing an on-calling feature of the present invention;
Fig 7 is a schematic of an embodiment showing a staff rostering system;

Fig 8 is a schematic of an embodiment of the invention as it applies to a university;and

Fig 9 is a schematic of an alternative memory structure.

With reference to Fig. 1 a network structure shown generally at 10 includes a local area network 12. Within the network 12 are a number of servers including a financial server 14, a voicemail server 16, a web server 19 and a telecommunications billing server 36. Access to the network 12 is provided through a network access device 18. The device 18 has access ports for connection to data transmission links and voice links. The network is preferably connected in a way that allows both voice and electronic information to be transferred simultaneously using a single telephone line. Such systems are known per se for example, from US Patent 5 349 636. The network access device 18 may be connected externally of the network 12 to a Private Automatic Branch Exchange (PABX) 13 or a Public Switched Telephone Network (PSTN) 17 or both. The network 12 can be accessed using a link from a standard telephone 15 but can also be accessed through the worldwide web, through a computer terminal connection from a graphical user interface 11, through a WAP terminal (not shown), through a pager (not shown) or through any other suitable user interface.

In addition, the connection may employ a "phone doubler", such as the type developed by Ericsson, at the user end that allows a telephone line to have incoming and outgoing calls even though the telephone line is connected to the network.

The LAN 12 communicates with a memory structure 20 through a data pipe 21. As shown in Fig 2, the memory structure includes a plurality of data storage sites. Each data storage site is associated with a client account 23 and data associated with the client accounts is stored in a re-writeable memory on a computer hard disk. The client accounts are protected by firewall security 24. The memory structure 20 further includes a Random Access Memory (RAM) 25 operating in conjunction with a plurality of processors 26. The RAM 25 may be subdivided into blocks with one or more processors 26 assigned to each block. A memory

controller 27 is provided to control allocations of the RAM 25. In communication with the RAM 25 is a software storage memory 40 that stores software applications for example a Text To Speech converter (TTS) 41, voice recognition software 42, Interactive Voice Response (IVR) software 43 and document tagging software 44, that can be downloaded into the RAM 25 when required. Software applications can also be loaded into the RAM 25 from a client account 23, from the servers 14, 16 and 19, or from an external computer or network through a communications link.

A message account 28 capable of receiving and storing voice and/or electronic mail messages forms a part of each client account 23. The client accounts also include a financial transaction account 29. The client accounts 23 are capable of receiving and storing electronic files including digitised voice files, electronic text files, video files, facsimile files, software applications and the like.

Referring to Fig 3, to access a client account a user dials into the network access device from a remote interface 31 such as a telephone, computer terminal, pager, WAP terminal, etc. to establish a connection 30. The connection may be a direct line into the network access device 18 or may be through a PABX or PSTN network. On dialling into the network the user may be connected to a reception interface 32 that prompts the user to provide a request to access a client account. Alternatively, the request to access a client account may be determined by the user location or the dialling code entered by the user when connecting to the network. The user may further be prompted to provide security information to determine the user type, for example if the user is a client owning the account or a visitor to the client account. The security information may include a Personal Identification Number (PIN) or may be spoken words that are then processed by voice recognition software to determine the identity of the user. Once the user type has been determined, the user connection passes through the firewall 24 at a level dependent on the type of the user.

When a request to access a client account 23 is received, the memory controller 27 allocates a portion 33 of the RAM 25 to that client account. The allocated RAM 33 communicates with the client account through a data communication path 34. The RAM is selected from a list of available RAM addresses by the memory controller 27. The amount of memory allocated to the client account 23 is determined from a history of RAM requirements for that client account. The amount of RAM allocated may also depend on whether the user accessing the client account is a client or visitor.

Once the RAM 25 has been allocated and the user type determined, one or more software applications are downloaded into the allocated RAM. The software applications will include standard applications such as TTS and/or voice recognition software. The loaded software will also include applications that depend on the user type. For example, if a user is accessing their own client account, the loaded software may allow the user to perform functions such as retrieving messages or manipulating files, or to use the network commerce facilities. If the user is a visitor to a client account, the loaded software may only allow the visitor to deposit voice or electronic messages in the client message account.

The loaded software applications allow a user to command processes within the RAM. Processes may include transferring new files to the client account from a site external to the network, creating new files within the RAM using the software applications and then transferring the files to the client account or forwarding the files to another site within or external to the network, or manipulating and interacting with files that already exist within the client account. These functions may be limited by the level of access provided to the user. For example, an account administrator may be able to view all files and operate all available processes such as manipulating the file information to achieve a process result, while a lower level user may only be able to access certain parts of a file to perform limited processes such as updating the file information.

Manipulation of the client account is controlled by an interactive customisable menu having a menu structure that can be conveyed to a user in a voice based or graphics based form depending on how the user accesses the network. The menu includes a list of operations that can be performed by accessing that particular client account. The conveyed menu and thus the available operations will depend on whether the user is a client accessing their own account, or a visitor seeking access to a limited range of operations and files. Access at the client level is protected by the firewall 24. The software required to perform the available operations may be loaded automatically into the allocated RAM 33 when the client account is opened or only when those operations are selected from the menu.

A RAM process may include an operation that requires access to a second data storage site, in which case a request is transmitted to open that site and the site is opened in the manner previously described. The allocated RAMs of the respective sites are linked so that the user can perform functions using the software applications in either RAM. The user may, for example, be connected to the first site as a client and to the second site as a visitor. Therefore by accessing only one client account, for example their own, a user may potentially obtain indirect access to some or all other client accounts.

If the allocated RAM 23 is insufficient to conduct all the processes that the user desires, more RAM can be allocated to the client account 23 by the memory controller 27. The RAM requirements of a client account are logged and used for future memory allocations.

When the user connection 30 to the client account has been terminated and the processes operating in the client account's allocated RAM have concluded and any results of those processes have been either stored in the account or transferred to an alternative site, the allocated RAM 33 is de-allocated by returning the allocated RAM addresses to the list of available RAM addresses. Once this

occurs, any information within the allocated RAM 33, for example the software applications, is lost and the RAM is then able to be re-allocated to any client account by the memory controller 27.

Because the software applications 41, 42, 43, 44 operate within the memory structure 20, instead of, for example, within a user interface such as a computer terminal or telephone handset, as is the current methodology, the amount of data that must be transferred through the user connection 30 to the user can be greatly reduced. The user interface can be used merely to provide commands to operate processes in the RAM, and to receive the results of those processes. The allocated RAM 33 thus provides a virtual screen within the network that can be conveyed to a user by voice or graphics and manipulated with only simple interface inputs such as keypad entry or click select icons. It is envisaged that this form of the present invention will reduce the amount of data that must be transferred through the communications links by up to 100 times when compared with conventional operating systems.

Software applications requiring a large amount of memory or that are commonly used by a plurality of users may be permanently stored in the RAM and accessed from any allocated RAM block. In particular these loaded applications can be accessed simultaneously from a plurality of RAM allocations. This can provide a saving in the total amount of RAM required by the system and the time taken to make a connection and run the more common processes.

The client accounts 23 may allow more than one user to access each account at any one time. RAM may be allocated to an account dependent on the number of users, that is more RAM may be allocated as the number of connected users connected to one account increases. As the number of user connections reduces, the amount of allocated RAM is correspondingly reduced. Alternatively the RAM may be allocated as a block when the client account is first opened with the amount of RAM allocated based on the average requirement of the site. The allocation is maintained at the average level as further users connect and disconnect until all user connections to the account are broken or the account

requires more RAM to be allocated in order to handle process requirements.

An alternative memory structure for use in conjunction with the network is discussed herein with reference to Fig 9. The memory structure shown generally at 90 communicates with the LAN through the data pipe 21. A bank 91 of receivers and processors form a reception interface that receives incoming connections from the network access device (not shown).

The memory structure 90 also includes software applications storage 92, and data storage sites 93 operating in conjunction with site processors 94. A further bank of processors 95 controls signal traffic into and out of the store of RAM 96 and RAM processors 97. The control processors 95 also include a memory controller for allocating portions of RAM to a data storage site. The above features are interconnected along a connection path 99.

When a connection is made to the network, the connection is transferred to the reception interface 91 from the network access device. If the data package associated with the incoming connection does not include a request to access a data storage site, the connecting user is prompted to provide a site identifier.

Once the data storage site has been determined, the connection proceeds to the software applications storage 92 and specified data storage site 93 where it picks up software applications and any files required to run with those applications. The connection is then received by the signal control processors 95 where a portion of the RAM store 96 is allocated to the data storage site. The software applications and files are then loaded into the allocated RAM.

A return connection 98 is made between the allocated RAM and the reception interface that passes through the bank of signal control processors 95 but bypasses the data storage site 93 and software application storage 92. The return connection 98 provides a two way communications link from the allocated RAM to the user that can be used to receive commands from the user to operate processes in the RAM, and convey information such as the results of those processes from the

RAM to the user. The connection to the data storage site is maintained so that files can be transferred between the data storage site and the allocated RAM as required.

The invention will now be described with reference to a voicemail system. A caller connects to the network from a remote telephone address through a telephone link. The caller may be attempting to contact a person directly and is diverted to the network on receiving a busy, engaged or unavailable signal. When the connection to the network is established, the caller is prompted to provide a client account identifier. Alternatively the client account identifier may be determined from the caller's telephone address or from the dialling code provided by the caller when connecting to the network. The latter methods provide the most direct route to the client account. Once the client account identifier is determined, the client account is opened by allocating a portion of RAM to the client account and linking the RAM to the client account through a data communication path. The caller is then prompted to provide security information in order to establish if the caller is the owner of the client account.

If the caller is verified as a visitor to a client's account, IVR software that includes a visitor path structure pre-determined by the client is loaded into the allocated RAM. Referring to Fig 4, the IVR software provides the caller with transient messages such as a greeting, and voice prompts providing the caller with a menu 50 of options selectable using the keypad of the caller's telephone handset or by spoken command employing the voice recognition facility. If access to the network 12 is through the web server 19 from a remote computer terminal, a graphical menu of substantially the same structure as the voice menu is provided through a Graphical User Interface (GUI) to prompt the user. The menu includes, at a first level, options 51 to record a non-urgent voice, text or facsimile message to the client's message account.

The menu preferably also includes an option 52 to advance to a second level whereby an attempt is made to contact the client on an alternative extension, external or internal to the network, such as a mobile phone, pager or alternative

telephone extension, pre-selected by the client. If the second level call is connected 53 and then terminated, the caller may be returned to the IVR visitor path before their connection to the network is terminated to allow them to perform any other caller functions. If the second level call cannot be connected the caller is prompted by a further voice prompt 54 to record a voice message, the message being flagged as urgent.

If, on connecting to a client account through a connection 30 from a voice interface 31 (Fig. 3), a caller provides the appropriate security information to gain access to the client account through the firewall they are greeted as the client and receive an update on the state of their voicemail box. The update may include the number of new voice, email, and facsimile messages as well as a total of each maintained in the clients account. As the client is receiving the greeting, the appropriate client software applications are loaded into the RAM allocated to the client account.

After receiving the greeting and update the client is connected to a client access path, provided by the IVR software, through which the client may perform a range of functions provided by the network. An exemplary client path is described below with reference to Fig. 5.

The client access path 60 includes an entrance level menu 61 having a plurality of selectable options. The menu is related to the client by a voice communicator. The client can select any one of the options by pressing the corresponding number(s) on the keypad or by providing voice commands that are interpreted using the voice recognition software.

One of the options is to access the client's voicemail box 62. On opening the voicemail box the client is presented with a further range of options relating to voice messages in the voicemail box including listen, delete and save functions.

The voicemail box may also include an option to return a call to a caller whereby an external link may be provided through the on-calling menu 64 described below, to connect the client with the caller. A further option selectable from the entry level menu 61 on the client access path 60 is to open the client's electronic mail box 63. Within the electronic mail box 63 the client may listen to a summary of messages contained within the mail box, redirect messages to a facsimile machine by providing the appropriate dialling address, or listen to the messages using a Text To Speech (TTS) converter 41. The document tagging facility 44 described below may be employed to relate only the key elements of a message to the client. Standard email functions as are known in the art, such as redirecting, save and delete functions, can also be performed.

Retrieved messages that have not been deleted are stored in a records storage box 65 that can be accessed from the entry level menu 61. The records storage box 65 can also be used to store a range of different documents. By converting paper documents to electronic documents, for example by scanning and electronic mailing or by facsimile transfer, a client may use their account as secure back-up storage for, inter alia, insurance policies, contracts, birth certificates, share certificates, purchase receipts etc. A client may later obtain a copy of a stored document by directly transferring a copy of the document to a local printer through the telecommunications link, by redirecting the document to a facsimile machine in a manner known in the art, for example from US Patent No. 5 349 636, or by requesting that a copy of the document be forwarded to the client's mail address by standard post.

The client access path 60 further includes an on-calling feature 64. When this menu is selected from the entry level menu 61 or from any other menu within the client access path an external communications link 72 is provided through the network access device 18 as shown in Fig. 6. Using this link the client may connect to any node extension 73 ordinarily available through a standard PSTN 17 and perform standard voice communications between themselves at their voice interface 31 and a person at the node extension 73. On termination of the link 72, the client is returned to the on-call menu 64 within the client access path. The

on-call menu 64 includes an option to request automatic call back when an engaged or busy signal is detected at the node extension 73. If this function is selected, further attempts are made to establish a connection between the network access device 18 and the extension node 73. Once an engaged signal is no longer detected at the extension node 73 the network access device 18 confirms that the client link 30 is still maintained and re-establishes the link in the event that it has been terminated. The network access device 18 then connects the client link 30 with the extension node 73. The client access path 60 may include a feature to select the number of attempts the switch will make in order to establish the link 72 and/or the interval between attempts. This selection feature may be provided in the on-call menu 64 or in a client customisation menu described below.

Further options selectable from the entry level menu 60 (Fig. 5) may include a banking menu 66 providing access to the network financial server 14 and a bill payment menu 67 that may, for example, allow a client to pay an account held with the network provider using the telecommunications billing server 36.

With reference to Fig. 1, the network 10 can be accessed from a remote computer terminal having a Graphics User Interface (GUI) 11 by direct connection or through a computer network such as the worldwide web. The features and functions of the network 10, in particular the client access path 60 are provided in a graphical form by the web sever 19 to the GUI 11. The graphical structure of the client access path is substantially identical to the voice structure. For example the entry level menu 60 is provided as a numbered list of options with the same corresponding numbers as provided by the IVR software. The user may select a menu option through their GUI by pressing the corresponding number on their keypad, by highlighting and selecting the option with their mouse or by manoeuvring their mouse over a graphical keypad provided on their screen that simulates the keypad of a telephone handset. By connecting to the network 10 from a computer terminal, a user also may gain access to the worldwide web through the web server 19.

The client path 60 includes a customisation menu 68. By selecting this menu from the entry level menu 60, the client may customise their client path according to their specific needs. The customisation menu 68 may include options to change what functions are available to the client by adding or removing the software applications used to perform those functions. The client can also select which software applications are loaded into the allocated RAM automatically when the client account is opened, and which ones are loaded only on request. The customisation menu 68 may also allow changes to user preferences such as alternative contact extensions, the assignment of specific functions to keypad buttons, graphical user interface layout options and the like. Changes to the path structure 60 are implemented in a manner that simultaneously alters the presentation of the path structure in the graphical and voice based forms.

As shown in Fig 2, within each client account 23 is a financial transaction account 29. Payer clients may transfer finances into the financial transaction accounts of payee clients by accessing the financial server 14 through the access device 18 and providing the appropriate client account identification. In particular, a list of client accounts can be provided in order that a plurality of financial transactions involving a plurality of client accounts can be conducted with one connection to the network. The user drives the transactions through an interactive menu structure as described above, provided to the user on connection to the network.

The financial server 14 can therefore be employed to distribute inter alia a user's wages, share dividends, superannuation pension etc. The server 14 can also track other financial commodities such as reward points from customer loyalty schemes. When finances are received into a client's financial transaction account 29, a statement relating to the transaction is entered as an electronic and/or voice message into the client's message account 28.

Conversely, third parties may notify a client of pending financial liabilities by sending a voice and/or electronic invoice to the client's message account 28 using

the voicemail or web servers 16, 19. In particular, the servers 16, 19 are adapted to distribute a plurality of documents to a plurality of client accounts with one connection to the network 10. In this way the system can be utilised to distribute a goods or service provider's customer accounts such as council rates, water and electricity bills and the like. On receiving the invoice, the client may use the interactive menu system described above to access the financial server 14 and download software into the client account's allocated RAM that allows the client to pay the invoice by a transfer of funds from the client's financial account 29 to a specified account within a banking network accessed by the financial server 14. As the funds are transferred a financial record relating to the transaction is entered into the client's message account.

The financial records are preferably entered into a client's message account as electronic text and are only converted to voice messages on request by the client. In this way the statement can be readily stored, printed, redirected to a second email account for printing or redirected to a facsimile machine.

The financial server 14 may be connected through the network access device 18 to an existing banking network in a manner that allows a client to make cash withdrawals from their financial account from existing Automatic Teller Machines (ATMs). The financial account can therefore be used as a day to day bank account with increased ease of withdrawals, deposits and payments provided by the interlinked message account and interactive menu structure.

The network structure described above can be used as a complete commerce network. When a client accesses their own client account 23 they receive, as part of the general update on the state of their account, a review of their financial transaction account 29. The review includes the balance of their financial account, an amount of credit available to them, and any outstanding financial liabilities.

The client may then access any vendor client within the network using the interactive menu and the appropriate software applications. On providing the appropriate vendor site identification, the client's allocated RAM is linked with the vendor site's allocated RAM. The vendor site's RAM may include software that automatically provides a product catalogue to the client in a voice based or graphics based form. Alternatively, the vendor may provide the catalogue through conventional advertising channels such as the print or television media. The catalogue includes a list of purchasable products, their respective prices, and if necessary a product code. A client purchases a product by selecting the product or entering the code. On selecting a product the order is recorded by the vendor account, including the delivery address of the client. At the same time, the purchase price is debited from the available credit of the client. The client can continue to purchase products from all vendor sites within the network provided they have credit available. The financial server transfers a financial amount corresponding to the purchase from the client's financial account to the vendor's financial account. This transaction may not occur until the vendor provides a guarantee that the purchased goods have been sent to the delivery address of the client.

Because the client accounts are protected by firewall security, the identity or authority of a purchasing client can be guaranteed and does not have to be verified at each transaction. In addition both the purchaser and vendor can be guaranteed of the purchaser's ability to pay for the goods because the purchaser can at all times be made aware of the amount of credit available to them. This is a level of security not previously available through prior art commerce networks. The described network also has advantage in speed because verification through an external link does not have to occur for every transaction as presently occurs for many credit card based commerce networks.

The invention is not limited to the delivery of financial documents. All types of documents may be delivered to the client accounts. In particular the network can be used to deliver interactive documents from one client account to another. An example of this type of delivery system is described below with reference to a

staff rostering system. The embodiment is described by way of example only as it will be apparent to the skilled reader that the described embodiment can have far broader application.

As shown in Fig. 7 a staff manager accesses the network 12 through the web server 19 from a computer terminal 11 having a Graphical User Interface (GUI) with a keyboard and mouse. The staff manager causes a computerised rostering form 80 to be displayed on the GUI. The form 80 includes space 81 to enter a number of first choice employees for the same number of vacancies for a particular work shift. The form also includes space 82 to enter second and subsequent choice employees. Each of the candidates is entered together with an identifier for their corresponding voicemail account. The staff manager can also specify on the form 80 a time frame in which an employee has to accept a work shift.

On completing the form for all unfilled shift vacancies, the staff manager submits the form 80, for example by selecting a submit icon 83 on the form with their mouse. The entered information is then retrieved from the form by the web server 19. Using the employee voicemail account identifier, an interactive message is entered in the voicemail accounts 28 of all the first choice employees. The message includes the date and time of the available shift and any other necessary information, for example work site location. Also included with the message are instructions for responding to the message including a time frame in which to respond. When the employee receives the message, they can respond to the message by following the instructions. For example, the employee may receive a voice prompt saying "Press 1 to accept shift, Press 2 to reject shift, Press 3 to contact employer".

If the employee accepts the shift, the acceptance is communicated through the network to the computerised form 80 where that employee's shift entry 81 is flagged as accepted, for example by a colour change on the form. If the employee

rejects the shift or does not respond to the message within the specified time frame the next choice employee is chosen and the work shift message is entered in their corresponding voicemail account.

As has been described, a staff manager may organise and deliver an entire roster with a single connection to the network. In particular, the manager is better equipped to handle emergency staff requirements because second choice employees are automatically contacted if no response is received from the first choice employees.

The described network further includes a document tagging software application 44. A user may employ this application to tag the key elements of a document. When the document is provided to a user through a telecommunications link only the tagged elements need be conveyed. For example the document may be an electronic mail message including text and graphics. The sender may tag the text portions so that when the client connects to their account by a telephone link to receive the message, the TTS and document tagging applications work in tandem to convert only the text portions to speech and the graphics are ignored. If the client connects using a graphics enabled device, the entire message can be retrieved.

A further application of the tagging software 44 is provided by the commerce network described above. A vendor may establish a product catalogue in the form of a web page. The page may include background graphics and text chosen for its aesthetic appeal as well as product specific information. The vendor may tag only the product specific information so that when a purchaser accesses the catalogue using an IVR system previously described only the product specific information is conveyed to the purchaser. This increases the speed with which a purchasing transaction can be conducted. The tagging software application therefore facilitates an entire voice-based commerce network.

It is envisaged that the tagging software application 44 will have wide application to the use of WAP terminals, that is hand held graphics enabled web browsers. To date, WAP terminals have not been widely accepted due to their inability to handle the vast amount of information that a standard personal computer can accept, and that standard web pages provide.

By using the tagging software application all non-essential information such as background graphics and unrequested advertising and hyperlinks can be removed from a web page, thereby significantly reducing the amount of information that must be conveyed to the WAP terminal for display. The WAP terminal can therefore be used as a more effective communication tool than previously possible.

Connection from a remote computer terminal to the web server 19 of the described network 10 can provide a user with an entry point to the world wide web in a manner well known in the art. Furthermore, the network structure of the present invention allows access to the worldwide web from any standard voice interface such as a conventional or mobile telephone. This feature can be provided by the present invention because nearly all of the processing occurs within the memory structure 20 and only a minimum amount of data is required to be transmitted to the user interface.

Information from a web page on the world wide web may be conveyed to a voice interface web browser using the TTS software. This may occur in conjunction with the key element document tagging feature described above. For web pages that are commonly accessed from a voice interface, the web page creator may incorporate interactive sound files into the web page so that these may be conveyed directly to the voice interface without the need for any processing.

An embodiment combining all forms of the present invention is described below with reference to Fig 8 . The embodiment is described with particular reference to a university system though it can be equally applied to any similar institution and many other systems. The system 100 includes a site PABX 102, access to which can be through a pre-existing PABX 104, hardwired telephone sites 106 located throughout the university grounds or through a radio phone link 109 from a radio base 108. Students and staff of the university may be provided with short range radio handsets 110 to access the radio base 108. The site PABX 102 serves as the network switch for the network 12.

Students and staff are each assigned an account within the network, the account being capable of receiving voice, electronic and facsimile messages as described above. The university network system 100 can therefore be used as a means of communication between staff and students to, for example, provide information on assessments, exams, and marks, to receive and return student assignments, and provide course notes, video lectures and tutorials and the like. In addition the financial server 24 of the network 12 can be used to receive money from students for expenses such as library fines, field trips, text books etc. The financial server 24 can also be used in payment of university staff.

While particular embodiments of this invention have been described, it will be evident to those skilled in the art that the present invention may be embodied in other specific forms without departing from the essential characteristics thereof. The present embodiments and examples are therefore to be considered in all respects as illustrative and not restrictive, and all modifications which would be within the competence of those skilled in the art are therefore intended to be embraced therein.

CLAIMS

1. A mail system accessible by a caller using an external first communications link, said system including a plurality of client mail accounts, each client account being associated with a client, means for receiving and storing messages in said client accounts, means for identifying and verifying a client, means for retrieving messages from a said client account, said system further including means for establishing a second communications link from said mail system, means for connecting a caller to said second link and means for maintaining said first link upon termination of said second link.

2. A mail system as claimed in Claim 1, wherein the second communications link connects the client to a telephone address selected by the client.

3. A mail system as claimed in Claim 1 or Claim 2, wherein the second communications link connects the client to one of a limited number of addresses specified by the client for that client account.

4. A mail system as claimed in any one of Claims 1 to 3, wherein the first communications link connects the mail system to a user interface.

5. A mail system as claimed in Claim 4, wherein the user interface is a telephone, cellular phone, pager, computing device, or Wireless Application Protocol (WAP) terminal.

6. A mail system as claimed in any one of Claims 1 to 5, wherein the second communications link connects the mail system to an extension of a Public Switched Telephone Network (PSTN), the mail system further including means for detecting a busy or engaged signal on said extension, and means for automatically establishing the second communications link between said client and said extension through said mail system when said busy signal or said engaged signal is no longer detected.

7. A mail system as claimed in any one of Claims 1 to 6, further including means for storing messages in a client account in electronic form such that said messages can be retrieved by a client using a computing device and a modem.

8. A mail system as claimed in any one of Claims 1 to 7, further including means for converting messages stored in electronic form to voice messages so that a client may receive voice messages from the mail system.

9. A mail system as claimed in any one of Claims 1 to 8, further including voice recognition means adapted to recognise speech and to generate system commands in response to the recognised speech.

10. A mail system including a voice user interface, a graphical user interface, a user access path having a path structure including a plurality of user selectable options, means to convey said path structure to a user through said voice user interface, and means to convey said path structure to a user through said graphical user interface.

11. A mail system as claimed in Claim 10, wherein the path structure is customisable by a user with either the voice user interface or the graphical user interface.

12. A mail system as claimed in Claim 10 or Claim 11, wherein the form of the path structure conveyed through the voice user interface corresponds to the form of the path structure conveyed through the graphical user interface.

13. A mail system as claimed in Claim 12, wherein the path structure is conveyed in the form of a menu structure.

14. A mail system including a plurality of user mail accounts, means to access said system from an external communications link, distributing means adapted to distribute a plurality of documents to a plurality of user mail accounts through said external communications link, means for facilitating access by a user to a user mail account associated with the user, and means for retrieving documents stored in the user mail account.

15. A mail system as claimed in any one of the preceding claims, wherein the mail system is a voicemail system.

16. A telecommunications network including a plurality of user accounts, each user account being associated with a user and each user account including a user message receiving account and a user financial transaction account, a user financial server adapted to receive a financial commodity and to distribute said financial commodity into at least one said user transaction account, means for entering a receipt message into at least one said user message account, said receipt message corresponding to receipt of a financial commodity in said at least one user financial account, and means for facilitating retrieval of messages from the at least one user message account by said user.

17. A telecommunications network as claimed in Claim 16, wherein the financial commodity corresponds to a monetary value.

18. A telecommunications network as claimed in Claim 16, wherein the financial commodity corresponds to reward points of a customer loyalty scheme.

19. A telecommunications network as claimed in any one of Claims 16 to 18, wherein said user message account includes a voicemail account, the arrangement being such that a user can retrieve messages from said voicemail account by accessing the network from an external user interface.

20. A telecommunications network as claimed in any one of Claims 16 to 19, wherein said user message account includes an electronic mail account adapted to receive messages in electronic form.

21. A telecommunications network as claimed in any one of Claims 16 to 20, further including a text to speech converter adapted to cooperate with said user message accounts so that electronic text messages are retrievable from a user message account as voice messages.

22. A telecommunications network as claimed in any one of Claims 16 to 21, further including voice recognition means.

23. A document delivery system including a plurality of user accounts, each user account being associated with a user and each account including a message receiving account and a financial transaction account, means to receive and transfer messages into said message account, said messages including messages relating to user financial statements, message retrieval means for retrieving messages from said message account, and means for facilitating transfer by a user of a financial commodity from the financial transaction account of the user.

24. A document delivery system as claimed in Claim 23, wherein said financial statement messages are received from an external entity and the financial commodity transfer means includes means for transferring a financial commodity to a financial account specified by said entity.

25. A telecommunications system including one or more data storage sites, means for establishing a connection with a user at a user interface through a telecommunications link, a random access memory, means for loading one or more storage applications into said random access memory, means for receiving user provided commands through said connection, means for opening a data storage site in response to a user request, wherein opening said data storage site includes allocating a portion of said random access memory to said data storage site, and loading one or more software applications into said allocated random access memory, wherein at least one of said loaded software applications prompts a user to provide commands to perform one or more processes in said allocated random access memory, said allocated random access memory being made available for re-allocation to a data storage site in response to either termination of the user connection or a conclusion of said processes operating in said allocated random access memory.

26. A telecommunications system as claimed in Claim 25, further including processing means adapted to carry out said one or more processes in response to said commands.

27. A telecommunications system as claimed in Claim 25 or Claim 26, further including means for identifying a user as one of a plurality of user types, wherein at least one of said loaded software applications is loaded dependent on said user types.

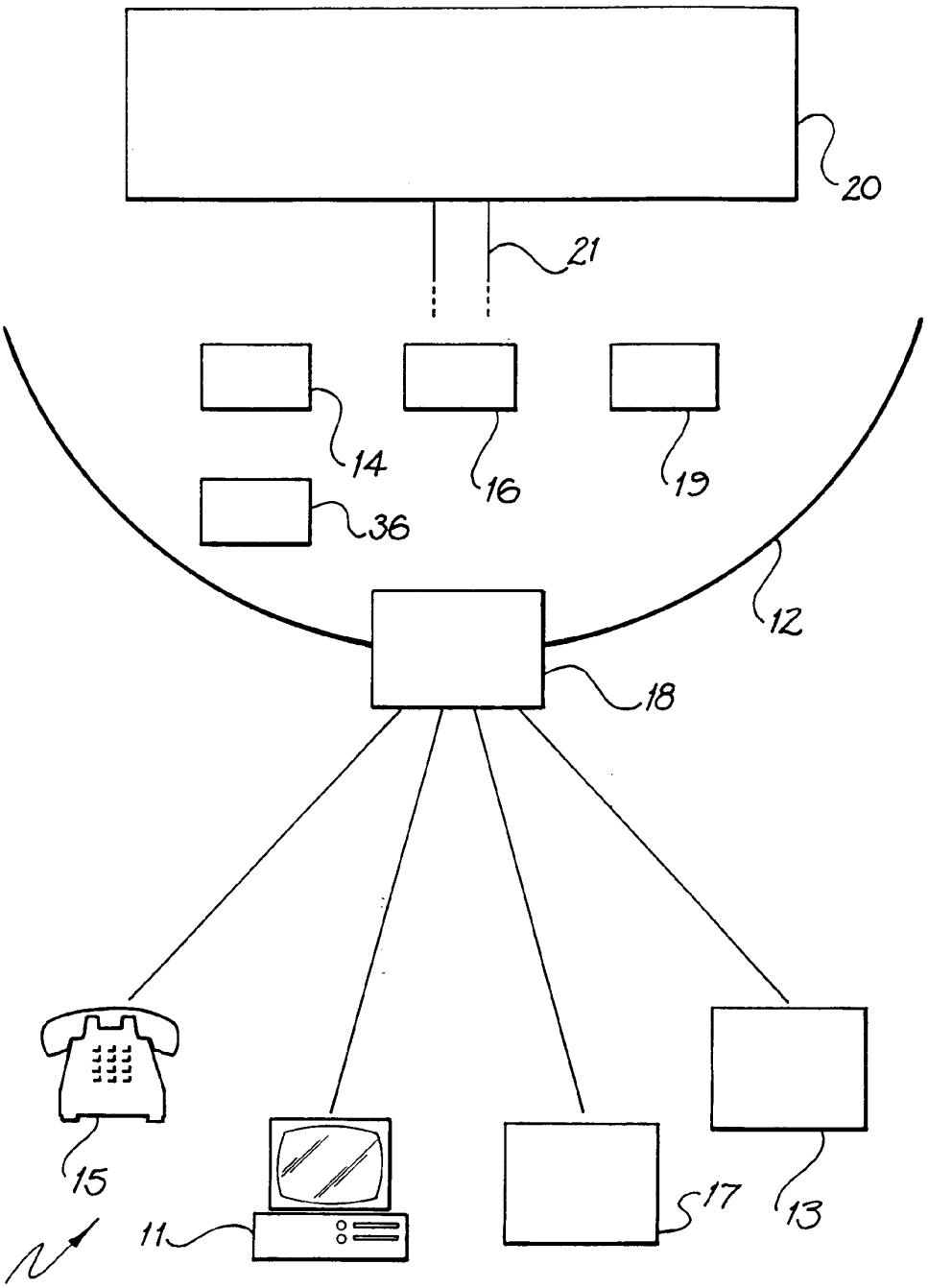
28. A telecommunications system as claimed in any one of Claims 25 to 27, wherein access to the data storage site is provided on two or more levels, access to at least one of those levels being protected by a firewall.

29. A telecommunications system as claimed in Claim 28, wherein the level of access provided to a user determines the data that a user can view or retrieve and/or the software applications that the user can access.

30. A telecommunications system as claimed in any one of Claims 25 to 29, wherein the data communications link allows the transfer of electronic files from the data storage site to the allocated random access memory.

31. A telecommunications system as claimed in any one of Claims 25 to 30, further including software storage means linked to the random access memory.

32. A telecommunications system as claimed in any one of Claims 25 to 30, further including software access means linked to the random access memory, the surface access means being adapted to access software stored at a remote location.


20
21
14
16
19
36
12
18
15
11
17
13

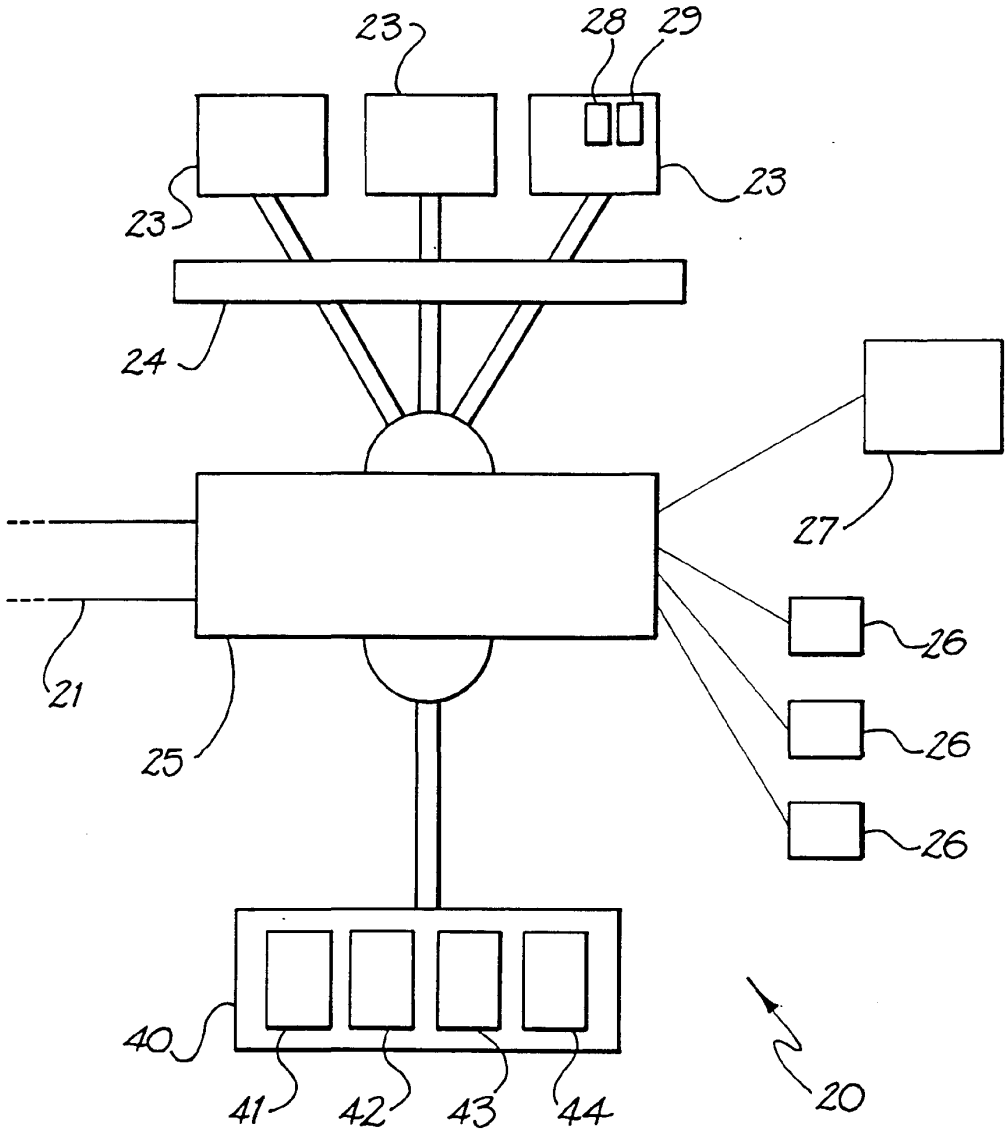


FIG. 2

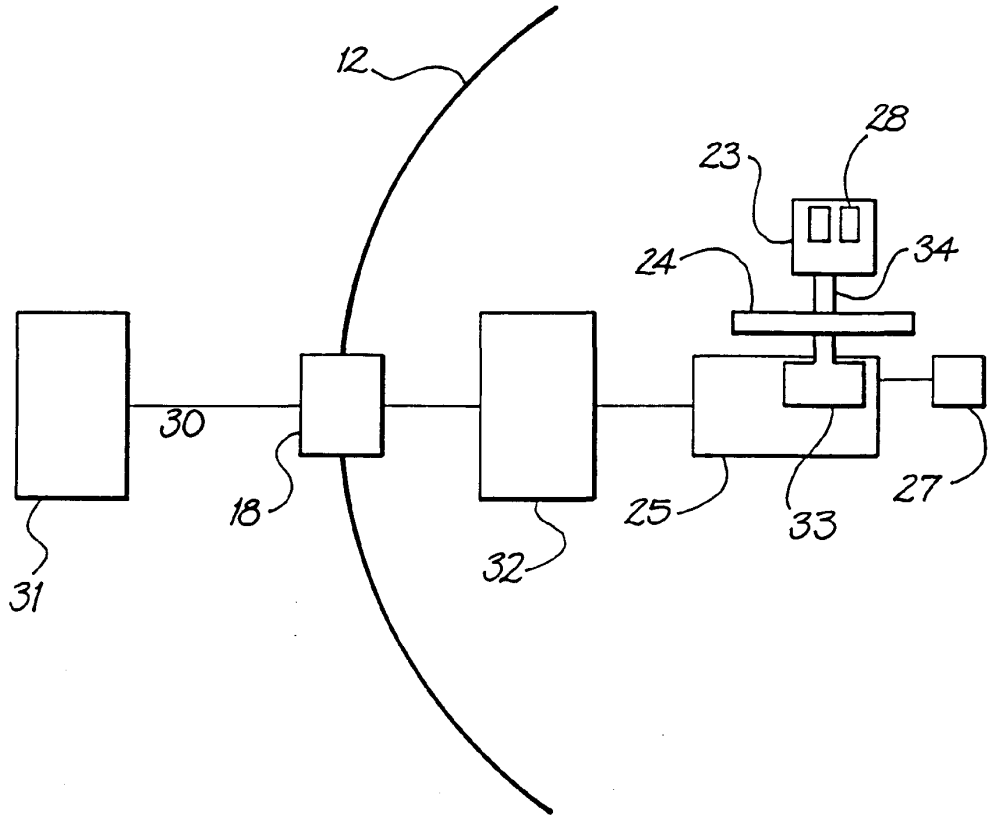


FIG. 3

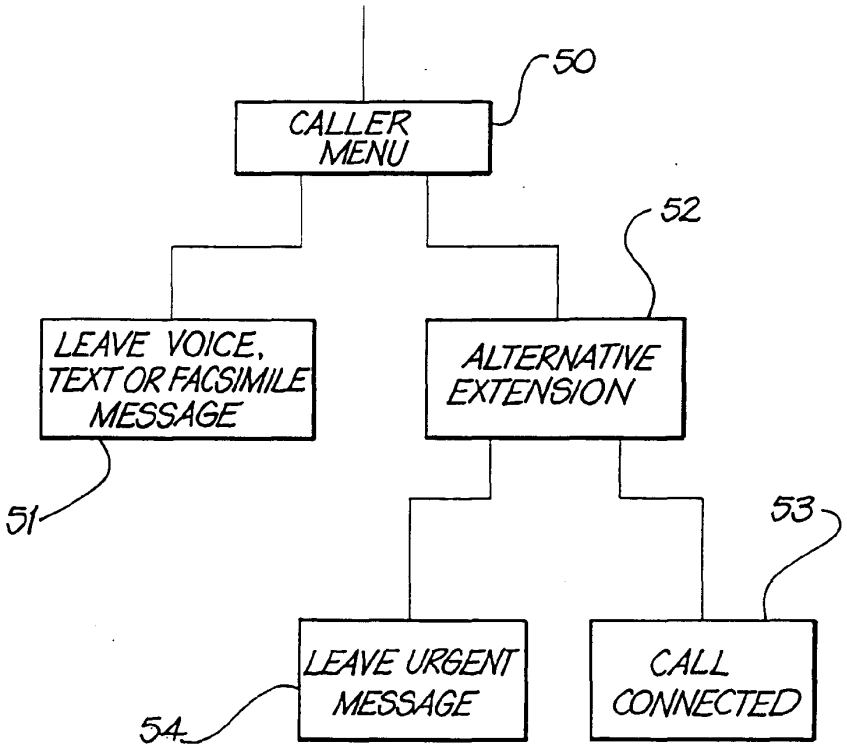

CALLER MENU
50
52
LEAVE VOICE, TEXT OR FACSIMILE MESSAGE
ALTERNATIVE EXTENSION
51
53
LEAVE URGENT MESSAGE
CALL CONNECTED
54

FIG. 4

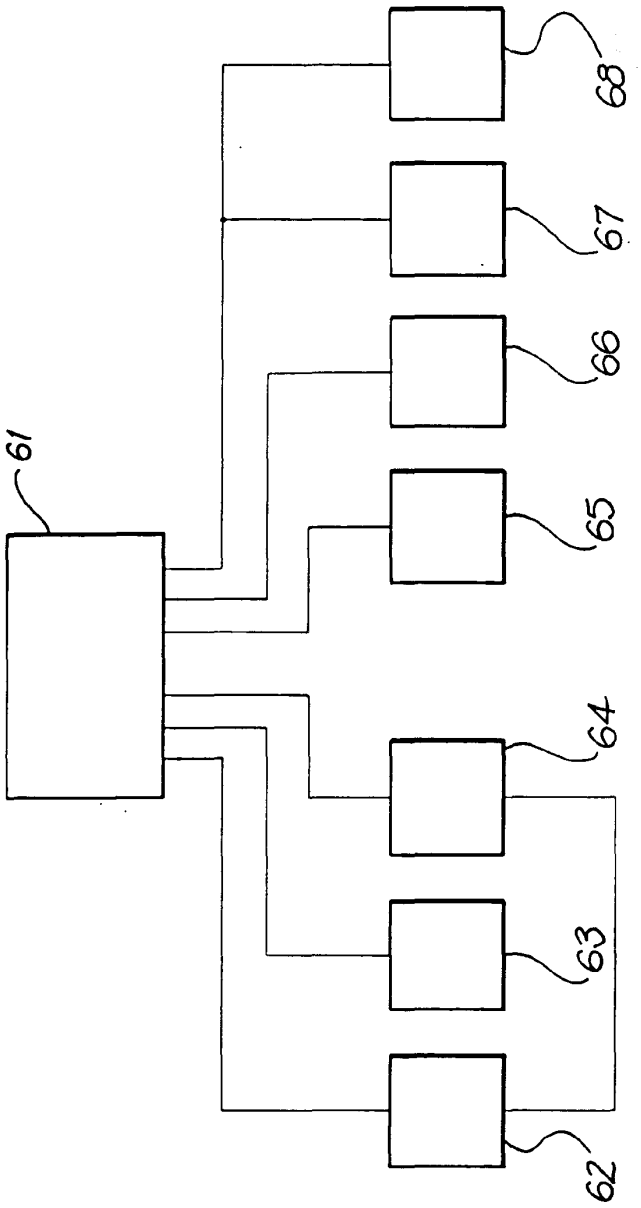


FIG. 5

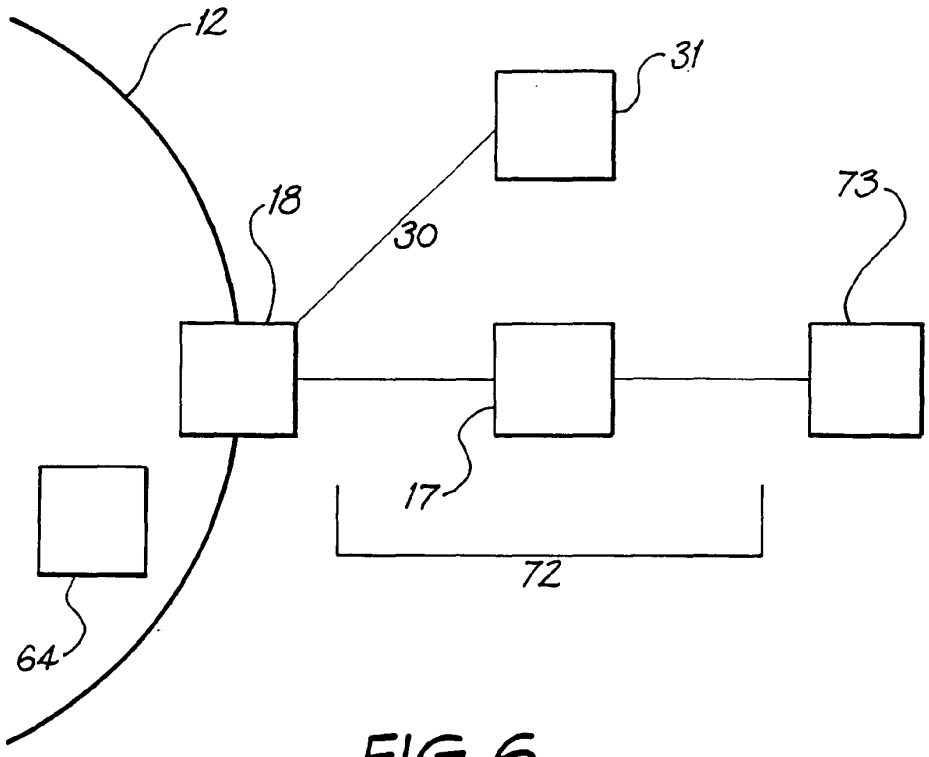


FIG. 6

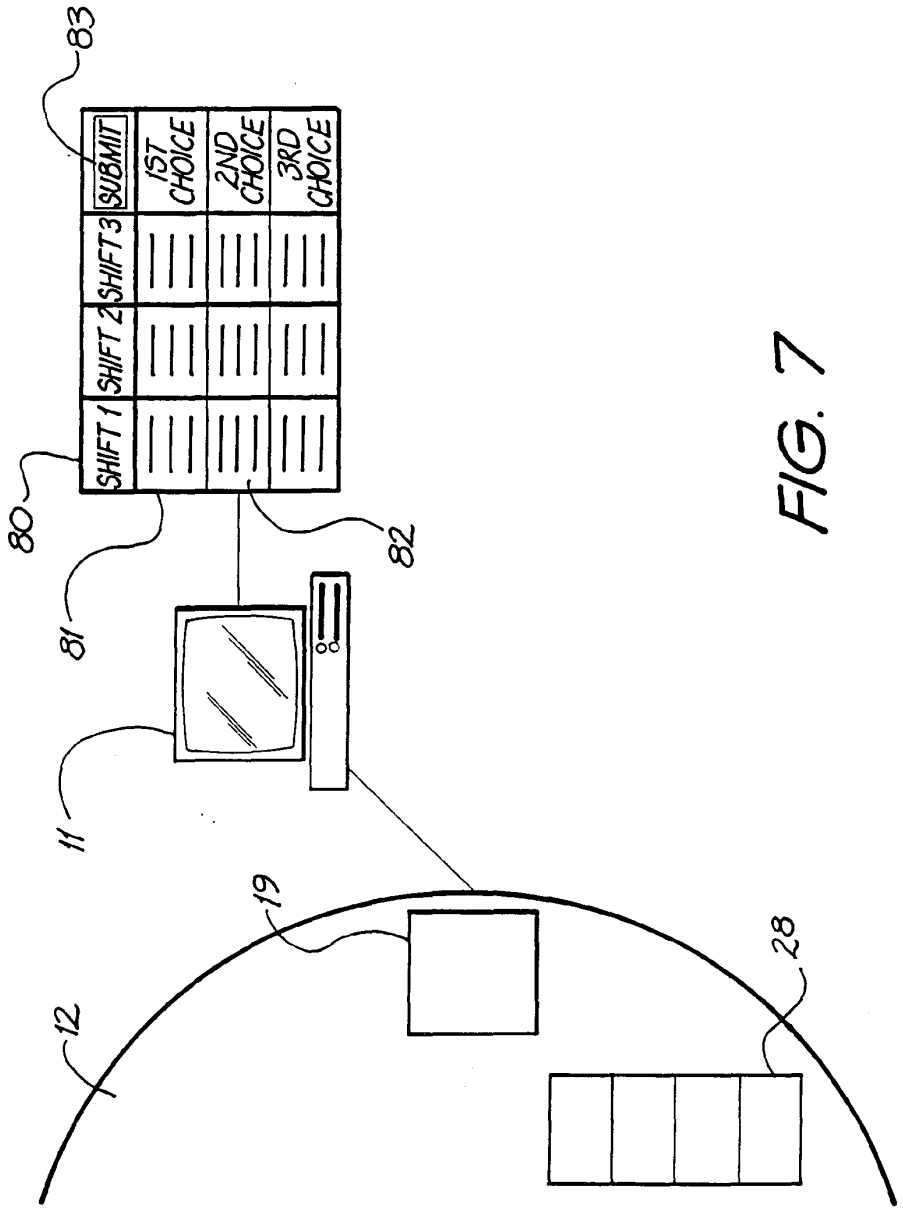

83
SUBMIT
1ST CHOICE
2ND CHOICE
3RD CHOICE
SHIFT 3
SHIFT 2
SHIFT 1
80
81
82
11
19
28
12

FIG. 7

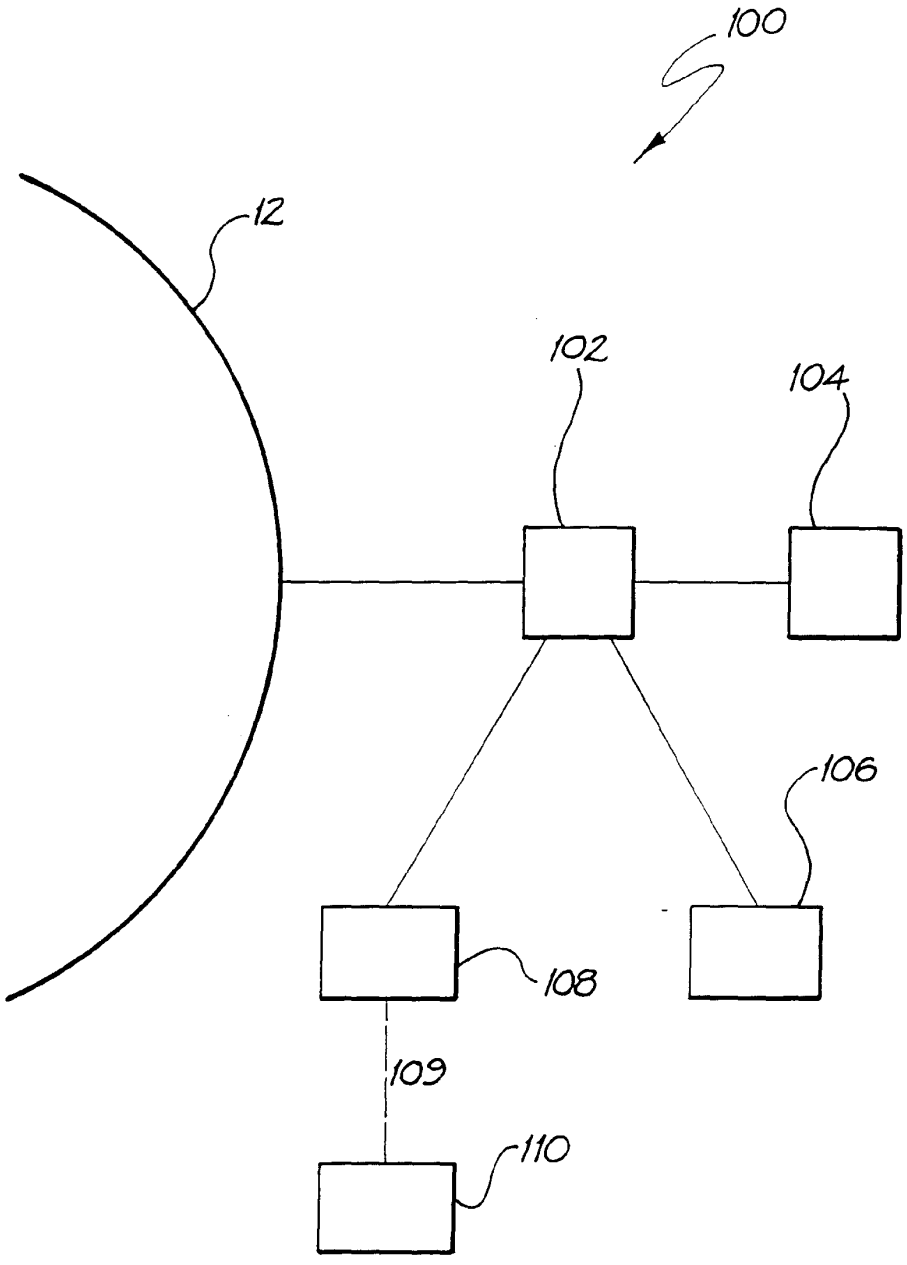


FIG. 8

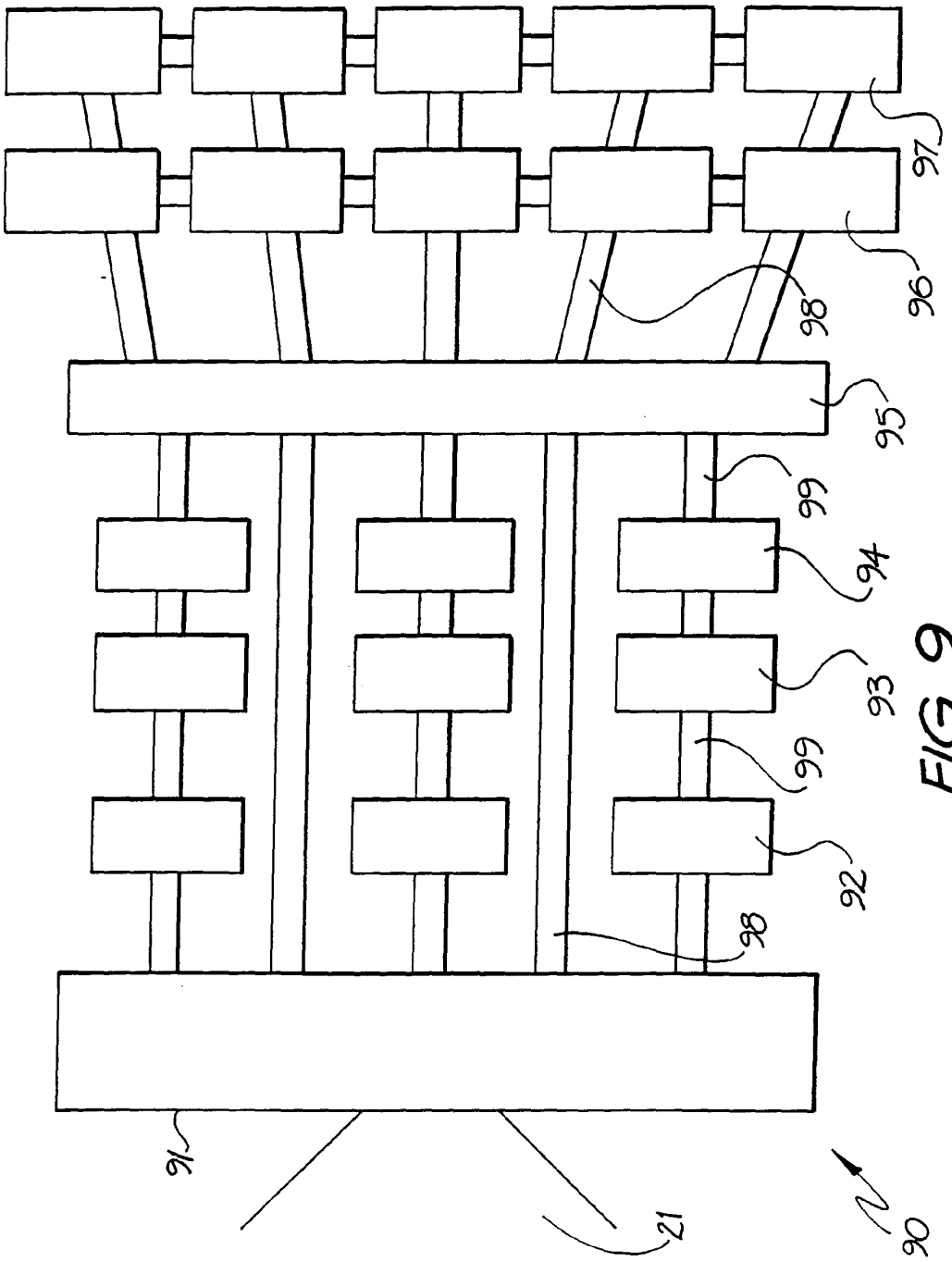


FIG. 9

INTERNATIONAL SEARCH REPORT

International application No.
PCT/AU 00/00430

A. CLASSIFICATION OF SUBJECT MATTER

Int Cl[7]: H04L 012/66, H04M 1/64, 3/50, G06F.13/38

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC: AS ABOVE

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPAT,INSPEC (link, mail, voice)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	US 6028917 (Creamer et al.) 22 February 2000 Abstract, figures column 3, lines 44-65	1
P,X	EP 955764 (Trerskoy) 10 November 1999 Abstract, Column 10, line 54-58	1
P,X	US 5974449 (Chang et.al) 26 October Abstract, column 7, line 20-40	1

[X] Further documents are listed in the continuation of Box C

[X] See patent family annex

* Special categories of cited documents:

"A" Document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
06 July 2000	31 JUL 2000
Name and mailing address of the ISA/AU	Authorized officer
AUSTRALIAN PATENT OFFICE PO BOX 200 WODEN ACT 2606 AUSTRALIA E-mail address: pct@ipaustralia.gov.au Facsimile No.: (02) 6285 3929	**DALE E. SIVER** Telephone No.: (02) 6283 2196

Form PCT/ISA/210 (second sheet) (July 1998) COPKAH

INTERNATIONAL SEARCH REPORT

International application No.
PCT/AU 00/00430

C (Continuation). **DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	EP 951165 (Siemens Information and Communication Networks) column 8, lines 30-52	1, 10
X	WO 99/21344 (Sandlerman) 29 April 1999 page 33, lines 28-31, claims 13,23, Abstract	14,15
X	US 5867495 (Elliott et al.) 2 February 1999 whole document, see column 56, line 44 to column 57, line 16 and see columns 67-69	1, 14, 25-27
X	US5568540 (Grero et al.) 22 October 1996 abstract, column 2, lines 4-5, lines 14-17	14, 15
X	WO 96/20553 (Alphanet Telecom) 4 July 1996 whole document	1 to 9, 14, 15
X	US 5473143 (Vak et al.) 5 December 1995 column 7, lines 20-35, 41-47, 50-55, 61-64, column 8, lines 14-16, column 31 lines 11-17	14, 16, 23 10, 17-22
X Y	US 5349636 (Irribarren) 20 September 1994 abstract, figures, column1, line 63 to column 2, line 37 column 2, lines 64-68, column 3, lines 18-21, column 7, lines 7-22, column 8, lines 13-18, 56-58, column 9, lines 25-36	1-8 25
X	US 5220501 (Laalor et al.) 15 June 1993 abstract, columns 1-2, claims 22,28	16, 17, 23, 24
P,Y	US 5946377 (Wolf) 31 August 1999 columns, 1 and 2, abstract	10
Y	WO 97/50236 (Brendzel) 31 December 1997 Abstract, figures, summary	10

INTERNATIONAL SEARCH REPORT

International Application No.
PCT/AU 00/00430

Box 1 Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

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

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

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

3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)

Box II Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

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

1. Claim 1 - retrieving mail while two links are active (eg. Phone doubler).
2. Claim 10 - mail system with GUI structure conveyed to user.
3. Claim 14 - mail system with external communication link.
4. Claim 16,23 - telecommunication network with user accounts incl. messaging, financial server.
5. Claim 25 - data storage sites, allocating ram for software applications.

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

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

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

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

Remark on Protest

☐ The additional search fees were accompanied by the applicant's protest.

☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.
PCT/AU 00/00430

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member					
US	6028917	US	835147				
EP	955764	US	60516				
US	5974449	US	853290				
EP	951165	US	62501				
WO	9921344	AU	9558198	IL	121999	WO	9921344
US	5867495	AU	5686798	BR	9714315	NO	992354
		US	758734	EP	950308	US	5867495
		WO	9823080	US	5867494	US	752271
		AP	9901547	WO	9721174		
US	5568540	US	5581604	US	5434906	US	5625676
		US	5533102				
WO	9620553	CN	1173260	AU	4294996	JP	10511823
		EP	0799543	CA	2139081	NZ	297714
		US	5608786	US	6067350		
US	5473143	AU	9042891	CA	2119563	JP	7508362
		BR	9107319	EP	0605418	US	5265033
		WO	93065033	AU	7965094	CA	2172841
		WO	9510081				
US	5349636	US	5530740	US	5737395	AU	3054997
		WO	9740612				
US	5220501	AT	182412	CA	2069955	EP	0584287
		AU	7038791	DE	69033218	WO	9109370
		US	5870724				
US	5946377	US	541434				
WO	97/50236	US	5912952				

PTO/SB/08a (01-22)
Approved for use through 05/31/2024. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	5835907	A	1998-11-10	NEWMAN BRIAN	
	2	6028514	A	2000-02-22	LEMELSON et al.	
	3	6091956	A	2000-07-18	HOLLENBERG DENNIS D	
	4	6112074	A	2000-08-29	PINDER ELLIS ARTHUR	
	5	6295001	B1	2001-09-25	BARBER JERRY KEITH	
	6	6424840	B1	2002-07-23	FITCH et al.	
	7	6542750	B2	2003-04-01	HENDREY et al.	
	8	6563910	B2	2003-05-13	MENARD et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	9	6594355	B1	2003-07-15	DEO et al.	
	10	6600928	B1	2003-07-29	AHYA et al.	
	11	6785681	B2	2004-08-31	KESKAR et al.	
	12	6788766	B2	2004-09-07	LOGAN JAMES D	
	13	6826472	B1	2004-11-30	KAMEI et al.	
	14	6947754	B2	2005-09-20	OGASAWARA KOICHI	
	15	6970871	B1	2005-11-29	RAYBURN TERRY	
	16	7026925	B2	2006-04-11	ROCHE et al.	
	17	7027055	B2	2006-04-11	ANDERSON et al.	
	18	7058385	B2	2006-06-06	LAUPER ERIC	
	19	7084775	B1	2006-08-01	SMITH MICHAEL R	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	20	7085818	B2	2006-08-01	BROWN et al.	
	21	7091829	B2	2006-08-15	LEE HONG-KYU	
	22	7139722	B2	2006-11-21	PERRELLA et al.	
	23	7151939	B2	2006-12-19	SHEYNBLAT LEONID	
	24	7177398	B2	2007-02-13	MEER et al.	
	25	7181346	B1	2007-02-20	KLEIST et al.	
	26	7194249	B2	2007-03-20	PHILLIPS et al.	
	27	7221928	B2	2007-05-22	LAIRD et al.	
	28	7231220	B2	2007-06-12	REDDY et al.	
	29	7233974	B2	2007-06-19	KAWAHARA et al.	
	30	7239871	B2	2007-07-03	SHAMP et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	31	7242948	B2	2007-07-10	FLEISCHER et al.	
	32	7245925	B2	2007-07-17	ZELLNER SAMUEL N	
	33	7254607	B2	2007-08-07	HUBBARD et al.	
	34	7266558	B2	2007-09-04	GRAY MICHAEL D	
	35	7283045	B1	2007-10-16	MANZ PAUL C	
	36	7317705	B2	2008-01-08	HANSON JOEL	
	37	7487112	B2	2009-02-03	BARNES JR MELVIN L	
	38	7523191	B1	2009-04-21	THOMAS et al.	
	39	7532900	B2	2009-05-12	WILSON et al.	
	40	7557689	B2	2009-07-07	SEDDIGH et al.	
	41	7644144	B1	2010-01-05	HORVITZ et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	42	7672281	B1	2010-03-02	HUMPHRIES et al.	
	43	7676233	B1	2010-03-09	REHKOPF THOMAS W	
	44	7711475	B1	2010-05-04	CONA et al.	
	45	7768395	B2	2010-08-03	GOLD STEVEN K	
	46	7812717	B1	2010-10-12	CONA et al.	
	47	7860519	B2	2010-12-28	PORTMAN et al.	
	48	8000893	B1	2011-08-16	CONA et al.	
	49	8036632	B1	2011-10-11	CONA et al.	
	50	8045455	B1	2011-10-25	AGRONOW et al.	
	51	8229458	B2	2012-07-24	BUSCH JAMES DAVID	
	52	8230456	B2	2012-07-24	JACOBY et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	53	8248986	B2	2012-08-21	CROLLEY et al.	
	54	8254338	B2	2012-08-28	ANSCHUTZ et al.	
	55	8275397	B2	2012-09-25	HUSTON CHARLES D	
	56	8346864	B1	2013-01-01	AMIDON et al.	
	57	8358609	B1	2013-01-22	CONA et al.	
	58	8572059	B2	2013-10-29	BRITTON et al.	
	59	8826139	B1	2014-09-02	WENDKOS et al.	
	60	9143535	B1	2015-09-22	CONA et al.	
	61	10117290	B1	2018-10-30	CONA et al.	
	62	10375759	B1	2019-08-06	CONA et al.	

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

U.S.PATENT APPLICATION PUBLICATIONS Remove

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	20010009857	A1	2001-07-26	VANTTINEN VEIJO	
	2	20010032100	A1	2001-10-18	MAHMUD et al.	
	3	20020004705	A1	2002-01-10	BARON et al.	
	4	20020075155	A1	2002-06-20	GUILLORY ANDRE P	
	5	20020091692	A1	2002-07-11	YOSHIDA et al.	
	6	20020107029	A1	2002-08-08	CAUGHRAN et al.	
	7	20020160745	A1	2002-10-31	WANG RAY	
	8	20020161838	A1	2002-10-31	PICKOVER et al.	
	9	20020177428	A1	2002-11-28	MENARD et al.	
	10	20020181684	A1	2002-12-05	LOGAN JAMES D	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	11	20030006912	A1	2003-01-09	BRESCIA PAUL T	
	12	20030148774	A1	2003-08-07	NAGHIAN et al.	
	13	20030162557	A1	2003-08-28	SHIDA DAIKI	
	14	20030197615	A1	2003-10-23	ROCHE et al.	
	15	20040023666	A1	2004-02-05	MOON et al.	
	16	20040039807	A1	2004-02-26	BOVEDA et al.	
	17	20040070515	A1	2004-04-15	BURKLEY et al.	
	18	20040193617	A1	2004-09-30	ADLER ROBERT M	
	19	20040225733	A1	2004-11-11	TESINK et al.	
	20	20050009508	A1	2005-01-13	GRASKE et al.	
	21	20050033511	A1	2005-02-10	PECHATNIKOV et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	22	20050096840	A1	2005-05-05	SIMSKE STEVEN J	
	23	20050132016	A1	2005-06-16	BOONE JOAN P	
	24	20050135428	A1	2005-06-23	HELLGREN VESA	
	25	20060031582	A1	2006-02-09	PUGEL et al.	
	26	20060079200	A1	2006-04-13	HIROUCHI et al.	
	27	20060109113	A1	2006-05-25	REYES et al.	
	28	20060126556	A1	2006-06-15	JIANG et al.	
	29	20060211404	A1	2006-09-21	CROMP et al.	
	30	20060273893	A1	2006-12-07	WARNER CHRIS J	
	31	20060274743	A1	2006-12-07	YEGIN et al.	
	32	20060287872	A1	2006-12-21	SIMRELL ROY	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	33	20070021981	A1	2007-01-25	COX JAMES	
	34	20070032247	A1	2007-02-08	SHAFFER et al.	
	35	20070035388	A1	2007-02-15	MOCK et al.	
	36	20070035612	A1	2007-02-15	KORNELUK et al.	
	37	20070159355	A1	2007-07-12	KELLY et al.	
	38	20070161382	A1	2007-07-12	MELINGER et al.	
	39	20070192116	A1	2007-08-16	LOVITT JOHN H	
	40	20070202927	A1	2007-08-30	PFLEGING et al.	
	41	20070206773	A1	2007-09-06	BRANAM MICHAEL	
	42	20070208837	A1	2007-09-06	TIAN et al.	
	43	20070209054	A1	2007-09-06	CASSANOVA JEFFREY	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	44	20070216535	A1	2007-09-20	CARRINO JOHN	
	45	20070226034	A1	2007-09-27	KHAN SAMEER	
	46	20070255785	A1	2007-11-01	HAYASHI et al.	
	47	20070276908	A1	2007-11-29	ASTHANA et al.	
	48	20070282621	A1	2007-12-06	ALTMAN et al.	
	49	20080037576	A1	2008-02-14	HWANG et al.	
	50	20080046511	A1	2008-02-21	SKRENTA RICHARD	
	51	20080048851	A1	2008-02-28	REYES et al.	
	52	20080086219	A1	2008-04-10	EVANS et al.	
	53	20080139218	A1	2008-06-12	DUAN XIAOQIN	
	54	20080169920	A1	2008-07-17	SPENCE PERRY S	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	55	20080208605	A1	2008-08-28	SINHA et al.	
	56	20090015467	A1	2009-01-15	KWON et al.	
	57	20090024726	A1	2009-01-22	JEON et al.	
	58	20090030927	A1	2009-01-29	CASES et al.	
	59	20090135758	A1	2009-05-28	ALPER et al.	
	60	20090213001	A1	2009-08-27	APPELMAN et al.	
	61	20090235305	A1	2009-09-17	PUGEL MICHAEL ANTHONY	
	62	20090254944	A1	2009-10-08	WATSON et al.	
	63	20090325535	A1	2009-12-31	FELT et al.	

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

FOREIGN PATENT DOCUMENTS Remove

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	1	2006-085250	JP	A	2006-03-30	HITACHI INT ELECTRIC INC	English Abstract Submitted	☐
	2	00/69132	WO	A1	2000-11-16	VISTA GROUP PTY LTD		☐

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

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T5
	1	“Notifyl/Severe Weather Alerts” Web Pages; www.weather.com, Jul. 12, 2007, 5 pgs.	☐
	2	BIEVER, Celeste, "My Space-style websites, perfect for disaster survival", NewScientistTech.com, February 15, 2007, 2 pgs.	☐
	3	Dane County Department of Emergency Management Warning System, Oct. 23, 2006, www.countyofDane.com, 10 pgs.	☐
	4	Hales, David, et al, "Friends for Free: Self Organizing Artificial Social Networks for Trust and Cooperation", University of Bologna, Italy, Aug. 2005, 20 pgs.	☐
	5	HARRISON, Jeff, "Location Based Social Networking for Crisis Management", 2006, www.thecarbonproject.com, 24 pgs.	☐
	6	JACKSON, Joab, "Disaster Prediction Social Networking Boosted by Geo-Data Feeds", http://news. nationalgeographic.com; October 19, 2006, 5 pgs.	☐
	7	KIM, Ryan, "Hey Baby, want a dale?", www.sfgate.com, July 23, 2005, 3 pgs.	☐

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	8	Nena Technical Requirements Document for Location Information to Support IP-Based Emergency Services, Nena 08-752 Issue 1, Dec. 21, 2006, 33 pages.	☐
	9	Phillips, Brenda D. Ph.D, et al, "Social Science Research Needs: A Focus on Vulnerable Populations, Forecasting and Warnings", Feb. 2006, Hurricane Forecast Socio-economic Workshop, Pomona, CA, 11 pgs.	☐
	10	Press Release, "WeatherBug and SendWorkNow Launch Smart Notification, Weather Service to Deliver Nation's First Location Based, 2-way Mobile Weather Alerts and Notifications Based on Live WeatherBug Network Data", Jun. 12, 2006, www.aws.com, 6 pgs.	☐
	11	Schneiderman, Ben, Preece, Jennifer; "911.gov", Feb. 16, 2007, Science Magazine, vol. 315, p. 944, www.sciencemag.org, 1 pg.	☐
	12	Share your world with ((Echo))MyPlace and CarbonCloud, Jul. 15, 2007, www.thecarbonproject.com, 4 pgs.	☐
	13	Social Networking, What you need to know, INConnect Spring, 2007, www.ena.com, 8 pgs.	☐
	14	SYDELL, LAURA "What are you doing? Twitter Offers a Megaphone", May 21, 2007, http://www.npr.org/templates/story, 1 pg.	☐
	15	Web Pages, Send Word Now; http://www.sendwordnow.com, Jul. 19, 2007, 11 pgs.	☐
	16	Ziv et al., "An Exploration on Mobile Social Networking: Dodgeball as a Case in Point", Department of Management Polytechnic University IEEE Conference Proceedings, MBusiness Conference, Jun. 26, 2006, 1-7 pgs.	☐

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

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☐ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Maxim Rapoport/	Date (YYYY-MM-DD)	2024-05-02
Name/Print	Maxim Rapoport	Registration Number	67,675

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

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

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

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

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

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

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

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

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

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

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

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

PTO/AIA/01 (06-12)
Approved for use through 05/31/2024. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

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

Title of Invention	METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK

As the below named inventor, I hereby declare that:

This declaration is directed to:

☐ The attached application, or

☒ United States application or PCT international application number 18/639,859 filed on 2024-04-18.

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

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

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

WARNING:

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

LEGAL NAME OF INVENTOR

Inventor: Thomas Cona Date (Optional) :

Signature: T. Cona

Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have been previously filed. Use an additional PTO/AIA/01 form for each additional inventor.

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 0651-0032. Public burden for this form is estimated to average 1 minute 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.** If filing this completed form by mail, 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.

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 the information in this record under authority of 35 U.S.C. 2. The USPTO's system of records is used to manage all applicant and owner information including name, citizenship, residence, post office address, and other information with respect to inventors and their legal representatives pertaining to the applicant's/owner's activities in connection with the invention for which a patent is sought or has been granted. The applicable Privacy Act System of Records Notice for the information collected in this form is COMMERCE/PAT-TM-7 Patent Application Files, available in the Federal Register at 78 FR 19243 (March 29, 2013). https://www.govinfo.gov/content/pkg/FR-2013-03-29/pdf/2013-07341.pdf

Routine uses of the information in this record may include disclosure to: 1) law enforcement, in the event that the system of records indicates a violation or potential violation of law; 2) a Federal, state, local, or international agency, in response to its request; 3) a contractor of the USPTO having need for the information in order to perform a contract; 4) the Department of Justice for determination of whether the Freedom of Information Act (FOIA) requires disclosure of the record; 5) a Member of Congress submitting a request involving an individual to whom the record pertains, when the individual has requested the Member's assistance with respect to the subject matter of the record; 6) a court, magistrate, or administrative tribunal, in the course of presenting evidence, including disclosures to opposing counsel in the course of settlement negotiations; 7) the Administrator, General Services Administration (GSA), or their designee, during an inspection of records conducted by GSA under authority of 44 U.S.C. 2904 and 2906, in accordance with the GSA regulations and any other relevant (i.e., GSA or Commerce) directive, where such disclosure shall not be used to make determinations about individuals; 8) 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)); 9) the Office of Personnel Management (OPM) for personnel research purposes; and 9) the Office of Management and Budget (OMB) for legislative coordination and clearance.

If you do not furnish the information requested on this form, the USPTO may not be able to process and/or examine your submission, which may result in termination of proceedings, abandonment of the application, and/or expiration of the patent.

Additional Uses

Additional USPTO uses of the information in this record may include disclosure to: 1) the International Bureau of the World Intellectual Property Organization, if the record is related to an international application filed under the Patent Cooperation Treaty; 2) the public i) after publication of the application pursuant to 35 U.S.C. 122(b), ii) after issuance of a patent pursuant to 35 U.S.C. 151, iii) if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections, or an issued patent, or iv) without publication of the application or patent under the specific circumstances provided for by 37 CFR 1.14(a)(1)(v)-(vii); and/or 3) the National Archives and Records Administration, for inspection of records.

Doc code: Oath
Document Description: Oath or declaration filed

PTO/AIA (0 -1)
Approved for use through 11/30/2020. 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.

SUBSTITUTE STATEMENT IN LIEU OF AN OATH OR DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (35 U.S.C. 115(d) AND 37 CFR 1.64)

Title of Invention	METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK

This statement is directed to:

☐ The attached application,

OR

☑ United States application or PCT international application number 18/639,859 filed on 2024-04-18

LEGAL NAME of inventor to whom this substitute statement applies:

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

Leonid Kravets

Residence (except for a deceased or legally incapacitated inventor):

City	State	Country
Philadelphia	PA	US

Mailing Address (except for a deceased or legally incapacitated inventor):

2001 Hamilton Avenue

City	State	Zip	Country
Philadelphia	PA	19130	US

I believe the above-named inventor or joint inventor to be the original inventor or an original joint inventor of a claimed invention in the application.

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

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

Relationship to the inventor to whom this substitute statement applies:

- ☐ Legal Representative (for deceased or legally incapacitated inventor only),
- ☑ Assignee,
- ☐ Person to whom the inventor is under an obligation to assign,
- ☐ Person who otherwise shows a sufficient proprietary interest in the matter (petition under 37 CFR 1.46 is required), or
- ☐ Joint Inventor.

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

PTO/SB/AIA (0 -1)
Approved for use through 11/30/2020. 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.

SUBSTITUTE STATEMENT

Circumstances permitting execution of this substitute statement

- ☐ Inventor is deceased,
- ☑ Inventor is under legal incapacity,
- ☐ Inventor cannot be found or reached after diligent effort, or
- ☐ Inventor has refused to execute the oath or declaration under 37 CFR 1.63.

If there are joint inventors, please check the appropriate box below:

- ☑ An application data sheet under 37 CFR 1.76 (PTO/AIA/14 or equivalent) naming the entire inventive entity has been or is currently submitted.

OR

- ☐ An application data sheet under 37 CFR 1.76 (PTO/AIA/14 or equivalent) has not been submitted. Thus, a Substitute Statement Supplemental Sheet (PTO/AIA or equivalent) naming the entire inventive entity and providing inventor information is attached. See 37 CFR 1.64(b).

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.

PERSON EXECUTING THIS SUBSTITUTE STATEMENT:

Name: CHARLES A ELDERING	Date Optional: 15MAY23

Signature: Charles Elder

APPLICANT NAME AND TITLE OF PERSON EXECUTING THIS SUBSTITUTE STATEMENT:

If the applicant is a juristic entity list the applicant name and the title of the signer:
SitNet LLC

Applicant Name:

Title of Person Executing This Substitute Statement: MANAGER

The signer whose title is supplied above is authorized to act on behalf of the applicant

Residence of the signer unless provided in an application data sheet PTO AIA or equivalent

Dover	DE	US
City	State	Country

Mailing Address of the signer unless provided in an application data sheet PTO AIA or equivalent
8 The Green, Suite B

Dover	DE	19901	US
City	State	Zip	Country

Note Use an additional PTO AIA form for each inventor who is deceased legally incapacitated cannot be found or reached after diligent effort or has refused to execute the oath or declaration under CFR

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.

UNITED STATES
PATENT AND TRADEMARK OFFICE

P.O. Box 1450
Alexandria, VA 22313 - 1450
www.uspto.gov

ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
18/639,859	**05/17/2024 02:53:59 PM Z ET**	**000137-0005-126**

Title of Invention

METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	6493	FILED BY	Shari Jackson
PATENT CENTER #	65572644	FILING DATE	04/18/2024
CUSTOMER #	1473	FIRST NAMED INVENTOR	Thomas Cona
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Maxim Rapoport

Documents

TOTAL DOCUMENTS: 1

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
000137-0005-126-Declaration.pdf	5	Oath or Declaration filed	532 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
000137-0005-126-Declaration.pdf	1ECA95D5F51F946B02BCA85C5BC3402F2434700F46E1DE47733902C4B44CFE753BEEC79ED84A804621E47753D76091AAAF72261E828D1910FC011EDE2DC488E9

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized

by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

UNITED STATES PATENT AND TRADEMARK OFFICE

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.
18/639,859	04/18/2024	Thomas Cona	000137-0005-126	6493

1473 7590 05/21/2024

Haley Guiliano LLP
75 Broad Street
Suite 1000
New York, NY 10004-3226

EXAMINER
CENTRAL, DOCKET

ART UNIT	PAPER NUMBER
2446	

NOTIFICATION DATE	DELIVERY MODE
05/21/2024	ELECTRONIC

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

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

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

DocketRequests@hglaw.com
HGPatentDocket@hglaw.com
haleyguiliano_PAIR@firsttofile.com

Decision Granting Request for Prioritized Examination (Track I)	**Application No.** 18/639,859	**Applicant(s)** Cona et al.	
	Examiner MICHELLE R EASON	**Art Unit** OPET	**AIA (FITF) Status** No

1. THE REQUEST FILED 18 April 2024 IS **GRANTED** .

The above-identified application has met the requirements for prioritized examination

A. ☑ for an original nonprovisional application (Track I).
B. ☐ for an application undergoing continued examination (RCE).

2. **The above-identified application will undergo prioritized examination**. The application will be accorded special status throughout its entire course of prosecution until one of the following occurs:

A. filing a **petition for extension of time** to extend the time period for filing a reply;

B. filing an **amendment to amend the application to contain more than four independent claims, more than thirty total claims** , or a multiple dependent claim;

C. filing a **request for continued examination** ;

D. filing a notice of appeal;

E. filing a request for suspension of action;

F. mailing of a notice of allowance;

G. mailing of a final Office action;

H. completion of examination as defined in 37 CFR 41.102; or

I. abandonment of the application.

Telephone inquiries with regard to this decision should be directed to MICHELLE EASON at (571) 272-4231. In his/her absence, calls may be directed to Petition Help Desk at (571) 272-3282.

/Michelle R. Eason/ Lead Paralegal Specialist, OPET	

UNITED STATES
PATENT AND TRADEMARK OFFICE

P.O. Box 1450
Alexandria, VA 22313 - 1450
www.uspto.gov

ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
18/639,859	**05/30/2024 06:28:17 PM Z ET**	**000137-0005-126**

Title of Invention

METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	6493	FILED BY	Margaret Roslik
PATENT CENTER #	65738000	FILING DATE	04/18/2024
CUSTOMER #	1473	FIRST NAMED INVENTOR	Thomas Cona
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Maxim Rapoport

Documents

TOTAL DOCUMENTS: 100

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
FOR_1_JP2005080211A_746723.pdf	22	Foreign Reference	1010 KB
NPL_100_Marketing_API_Reference_732330.pdf	5	Non Patent Literature	177 KB
NPL_101_Meta_Complaint_FINAL_6_21_22_732245.pdf	40	Non Patent Literature	815 KB
NPL_102_Meta_Marketing_API_732610.pdf	3	Non Patent Literature	123 KB
NPL_104_Official_Events_API_Facebook_Pages_API_732	9	Non Patent Literature	254 KB

370.pdf			
NPL_103_Network_Analysis_Some_Basic_Principles_732358.pdf	47	Non Patent Literature	6548 KB
NPL_106_ONLINE_FORUMS_SUPPORTING_GRASSROOTS_PARTICIPATION__732347.pdf	5	Non Patent Literature	504 KB
NPL_105_Why_were_buying_DoubleClick_732369.pdf	7	Non Patent Literature	3122 KB
NPL_107_Overview_Graph_API_732318.pdf	6	Non Patent Literature	167 KB
NPL_108_Meta_Marketing_API_732416.pdf	3	Non Patent Literature	123 KB
NPL_109_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_111_22__732361_Part0.pdf	510	Claims	22972 KB
NPL_109_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_111_22__732361_Part1.pdf	291	Claims	19499 KB
NPL_109_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_111_22__732361_Part10.pdf	35	Claims	22399 KB
NPL_109_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_111_22__732361_Part11.pdf	32	Claims	23004 KB

NPL_109_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_111_22__732361_Part13.pdf	62	Claims	22960 KB
NPL_109_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_111_22__732361_Part12.pdf	24	Claims	23111 KB
NPL_109_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_111_22__732361_Part14.pdf	22	Claims	18416 KB
NPL_109_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_111_22__732361_Part15.pdf	4	Claims	19967 KB
NPL_109_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_111_22__732361_Part16.pdf	42	Claims	22637 KB
NPL_109_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_111_22__732361_Part17.pdf	15	Claims	22787 KB
NPL_109_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_111_22__732361_Part18.pdf	10	Claims	22115 KB
NPL_109_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_111_22__732361_Part19.pdf	12	Claims	22569 KB
NPL_109_PETITION_FOR_I	89	Claims	22073 KB

NTER_PARTES_REVIEW_OF_CLAIMS_111_22__732361_Part2.pdf			
NPL_109_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_111_22__732361_Part20.pdf	11	Claims	22058 KB
NPL_109_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_111_22__732361_Part21.pdf	38	Claims	22951 KB
NPL_109_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_111_22__732361_Part23.pdf	15	Claims	22683 KB
NPL_109_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_111_22__732361_Part22.pdf	47	Claims	22618 KB
NPL_109_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_111_22__732361_Part26.pdf	15	Claims	8340 KB
NPL_109_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_111_22__732361_Part24.pdf	20	Claims	22434 KB
NPL_109_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_111_22__732361_Part25.pdf	26	Claims	22279 KB
NPL_109_PETITION_FOR_INTER_PARTES_REVIEW_O	24	Claims	20713 KB

F_CLAIMS_111_22__732361_Part3.pdf			
NPL_109_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_111_22__732361_Part4.pdf	43	Claims	22376 KB
NPL_109_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_111_22__732361_Part5.pdf	75	Claims	22426 KB
NPL_109_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_111_22__732361_Part6.pdf	27	Claims	22748 KB
NPL_10_Apr_8th_Scranton_Comedy_Club_Show_w_Headliner_JOHN_732373.pdf	3	Non Patent Literature	490 KB
NPL_109_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_111_22__732361_Part7.pdf	35	Claims	22859 KB
NPL_109_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_111_22__732361_Part8.pdf	38	Claims	23066 KB
NPL_109_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_111_22__732361_Part9.pdf	35	Claims	22456 KB
NPL_110_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_1221_OF_732265_Part0.pdf	513	Claims	22909 KB

NPL_110_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_1221_OF_732265_Part10.pdf	30	Claims	22399 KB
NPL_110_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_1221_OF_732265_Part1.pdf	144	Claims	23559 KB
NPL_110_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_1221_OF_732265_Part11.pdf	47	Claims	22738 KB
NPL_110_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_1221_OF_732265_Part13.pdf	14	Claims	22281 KB
NPL_110_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_1221_OF_732265_Part12.pdf	23	Claims	20984 KB
NPL_110_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_1221_OF_732265_Part15.pdf	21	Claims	18231 KB
NPL_110_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_1221_OF_732265_Part14.pdf	30	Claims	22626 KB
NPL_110_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_1221_OF_732265_Part2.pdf	43	Claims	22376 KB
NPL_110_PETITION_FOR_I	47	Claims	19673 KB

NTER_PARTES_REVIEW_OF_CLAIMS_1221_OF_732265_Part3.pdf			
NPL_110_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_1221_OF_732265_Part4.pdf	4	Claims	19911 KB
NPL_110_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_1221_OF_732265_Part5.pdf	19	Claims	20863 KB
NPL_110_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_1221_OF_732265_Part6.pdf	62	Claims	22129 KB
NPL_110_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_1221_OF_732265_Part7.pdf	10	Claims	21316 KB
NPL_110_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_1221_OF_732265_Part8.pdf	11	Claims	22083 KB
NPL_110_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_1221_OF_732265_Part9.pdf	11	Claims	21466 KB
NPL_111_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_1_732328_Part0.pdf	469	Non Patent Literature	22794 KB
NPL_111_PETITION_FOR_INTER_PARTES_REVIEW_O	17	Non Patent Literature	23319 KB

F_US_PATENT_NO_1_7323 28_Part10.pdf			
NPL_111_PETITION_FOR_I NTER_PARTES_REVIEW_O F_US_PATENT_NO_1_7323 28_Part1.pdf	62	Non Patent Literature	22786 KB
NPL_111_PETITION_FOR_I NTER_PARTES_REVIEW_O F_US_PATENT_NO_1_7323 28_Part11.pdf	14	Non Patent Literature	23067 KB
NPL_111_PETITION_FOR_I NTER_PARTES_REVIEW_O F_US_PATENT_NO_1_7323 28_Part12.pdf	15	Non Patent Literature	21968 KB
NPL_111_PETITION_FOR_I NTER_PARTES_REVIEW_O F_US_PATENT_NO_1_7323 28_Part13.pdf	11	Non Patent Literature	21748 KB
NPL_111_PETITION_FOR_I NTER_PARTES_REVIEW_O F_US_PATENT_NO_1_7323 28_Part14.pdf	13	Non Patent Literature	22940 KB
NPL_111_PETITION_FOR_I NTER_PARTES_REVIEW_O F_US_PATENT_NO_1_7323 28_Part15.pdf	8	Non Patent Literature	21644 KB
NPL_111_PETITION_FOR_I NTER_PARTES_REVIEW_O F_US_PATENT_NO_1_7323 28_Part16.pdf	15	Non Patent Literature	23057 KB
NPL_111_PETITION_FOR_I NTER_PARTES_REVIEW_O F_US_PATENT_NO_1_7323	13	Non Patent Literature	24337 KB

28_Part17.pdf			
NPL_111_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_1_732328_Part18.pdf	6	Non Patent Literature	20141 KB
NPL_111_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_1_732328_Part19.pdf	7	Non Patent Literature	21494 KB
NPL_111_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_1_732328_Part2.pdf	60	Non Patent Literature	23120 KB
NPL_111_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_1_732328_Part20.pdf	29	Non Patent Literature	22536 KB
NPL_111_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_1_732328_Part21.pdf	52	Non Patent Literature	23866 KB
NPL_111_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_1_732328_Part23.pdf	6	Non Patent Literature	20614 KB
NPL_111_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_1_732328_Part22.pdf	6	Non Patent Literature	19840 KB
NPL_111_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_1_732328_Part24.pdf	6	Non Patent Literature	20203 KB

NPL_111_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_1_732328_Part25.pdf	22	Non Patent Literature	21559 KB
NPL_111_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_1_732328_Part26.pdf	19	Non Patent Literature	22707 KB
NPL_111_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_1_732328_Part27.pdf	61	Non Patent Literature	22556 KB
NPL_111_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_1_732328_Part28.pdf	13	Non Patent Literature	22236 KB
NPL_111_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_1_732328_Part29.pdf	10	Non Patent Literature	21341 KB
NPL_111_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_1_732328_Part3.pdf	176	Non Patent Literature	22346 KB
NPL_111_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_1_732328_Part30.pdf	12	Non Patent Literature	22245 KB
NPL_111_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_1_732328_Part31.pdf	22	Non Patent Literature	22795 KB
NPL_111_PETITION_FOR_I	20	Non Patent Literature	23268 KB

NTER_PARTES_REVIEW_OF_US_PATENT_NO_1_732328_Part32.pdf			
NPL_111_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_1_732328_Part33.pdf	8	Non Patent Literature	10616 KB
NPL_111_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_1_732328_Part4.pdf	7	Non Patent Literature	20638 KB
NPL_111_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_1_732328_Part5.pdf	7	Non Patent Literature	22151 KB
NPL_111_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_1_732328_Part6.pdf	7	Non Patent Literature	21971 KB
NPL_111_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_1_732328_Part7.pdf	11	Non Patent Literature	21640 KB
NPL_111_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_1_732328_Part8.pdf	12	Non Patent Literature	23674 KB
NPL_111_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_1_732328_Part9.pdf	12	Non Patent Literature	21274 KB
NPL_112_PETITION_FOR_INTER_PARTES_REVIEW_O	582	Non Patent Literature	22992 KB

F_US_PATENT_NO_8_7323 42_Part0.pdf			
NPL_112_PETITION_FOR_I NTER_PARTES_REVIEW_O F_US_PATENT_NO_8_7323 42_Part1.pdf	182	Non Patent Literature	19313 KB
NPL_113_PETITION_FOR_I NTER_PARTES_REVIEW_O F_US_PATENT_NO_9_7323 35_Part0.pdf	437	Non Patent Literature	22600 KB
NPL_113_PETITION_FOR_I NTER_PARTES_REVIEW_O F_US_PATENT_NO_9_7323 35_Part1.pdf	61	Non Patent Literature	22973 KB
NPL_113_PETITION_FOR_I NTER_PARTES_REVIEW_O F_US_PATENT_NO_9_7323 35_Part10.pdf	7	Non Patent Literature	22148 KB
NPL_113_PETITION_FOR_I NTER_PARTES_REVIEW_O F_US_PATENT_NO_9_7323 35_Part11.pdf	7	Non Patent Literature	22321 KB
NPL_113_PETITION_FOR_I NTER_PARTES_REVIEW_O F_US_PATENT_NO_9_7323 35_Part12.pdf	7	Non Patent Literature	21476 KB
NPL_113_PETITION_FOR_I NTER_PARTES_REVIEW_O F_US_PATENT_NO_9_7323 35_Part13.pdf	12	Non Patent Literature	20995 KB
NPL_113_PETITION_FOR_I NTER_PARTES_REVIEW_O F_US_PATENT_NO_9_7323	12	Non Patent Literature	23091 KB

35_Part14.pdf			
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part15.pdf	14	Non Patent Literature	21617 KB
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part16.pdf	15	Non Patent Literature	21118 KB
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part17.pdf	13	Non Patent Literature	21826 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
FOR_1_JP2005080211A_746723.pdf	3C3DCD492DDF465988469BAEB7055D7CAFFAD5DFDBE760A4D45BC72543607F3E6493BFA79A44D5485FD510E1F222942739B3A06DB3FFF329D235D908202FA903
NPL_100_Marketing_API_Reference_732330.pdf	A54F68DB153E4A75348BFBAEC8FFD98AD7A1325A9D090F9275C0D49A813185E0D52E7F4904197BEFECE50CC4FF92022E2E66F75D1259298128BDC403BF38FE95
NPL_101_Meta_Complaint_FINAL_6_21_22_732245.pdf	817F3ABE17C60EF490FE01A036A71009760A7C98C2589CE5D07D50AB2419097D2E5FC9FF3DD666C44C1656EFB4834172C72F0237B58C3347F744AE533199276E
NPL_102_Meta_Marketing_API_732610.pdf	CF7073DBF36EEC52CCDC76773C1463B526FD1CD750C0C0C47A969B83B30414DF49773BC628C0D3981EADDAAD21BFEE42D0A01BBA512328E0B605CF7826F21202
NPL_104_Official_Events_API_	65B78B0B911A59FCBC63032FB003A7A94F25DFE614FF276EC

Facebook_Pages_API_732370.pdf	CFE76E0BC957378A1CDDE5AFEB3D7EA6720F513F19B4D3CFE3D890971E94B5582DDB1ACC766A2DF
NPL_103_Network_Analysis_Some_Basic_Principles_732358.pdf	F18E943B7D96C3FA75F18BDE8757F57B55FB8F62F89FE2B724570D02060966A161082B650BA07F1F4DFB18D05CDB44AF4312B50FC18AAAE34E2EC100919207B7
NPL_106_ONLINE_FORUMS_SUPPORTING_GRASSROOTS_PARTICIPATION__732347.pdf	8005A89A85D23E8A19EEFB8ACD2B942702AA2FBDC25CC8FD57F65C2BBEE0E464F7DDF871302428 9BAE5CAEE7866CB4CC931D6F202600E9D115097AF6E10A3DAE
NPL_105_Why_were_buying_DoubleClick_732369.pdf	F0DCC0711A76B8E3290DDF2450CE45E4AB0CB90BD54EB8B29CD499E2B3E63E0AACE65F080E8A12FC8567A5B3F40CB41D21B99DB5E78F01D8F9F9E1DA11A7B133
NPL_107_Overview_Graph_API_732318.pdf	695A5AA7240A7F7F4441FCBCFB1E535C358785DF6461051AB73B0B0727144EB0BF32D093BA653AA8315A2EDEF6A2137CEE2F4250FC668B3E569CB48365ABCC63
NPL_108_Meta_Marketing_API_732416.pdf	4D5DE0BF408CF8BC7BC6646B0BC76B0D1FA90B5208B917FFC64C69A68CC68CE673CF33E9480F8BA7212B0A95A7E7DDA13578046552F9E74A99FDB58B0B9734B9
NPL_109_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_111_22__732361_Part0.pdf	792BC05A1DEC222E031BE8EB8BA4C7587369C69256564BE48509699C77B68CEAD7A887110080FD85B9AAA9757F55392264EF215B36F7EAA7D760CA3BEEC0FF2E
NPL_109_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_111_22__732361_Part1.pdf	ACA19ECDE8F0A4D7C7FF43C382CCA914B2050CAD19B7CF8E85BD55134D102A4565C72D23E3CD30481EE83A40586D51069DE40EAD3228C42CF1349E2D35CB41B9
NPL_109_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_111_22__732361_Part10.pdf	95BD9937DB88C7C479CD1CF5946C1AD98FC1527DF37FAC35D74DC2BC13E1194AB058BDA047CB811E75398FEB55B13A6A4A3C9C3F992219032ED39F81EE2B1DD8
NPL_109_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_111_22__732361_Part11	A9A141BCFE0413D746D9F501DB8865F8013A6F9C087DC4D91661AB3D2251C4D0A64BCB31DC309A0F6ED538BB9584BF250AC9B163C34CEE6E6A50F66967AF7058

.pdf	
NPL_109_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_111_22__732361_Part13.pdf	635A8377E921C22A1090FC444C46823E768133312064E06F917E8D2C073EF78DF028D0BBBAF8BE432AC75D0E6D536C144361EED95288CF7C5EB265F2BA177F33
NPL_109_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_111_22__732361_Part12.pdf	D7C845C68475E33E2DF92412FA300D3CA5CBDB44DB66D525E5FA184ADE0D6E0107DD688386D830813DAF715C9A53179837C93D11B4E7E0C2640A198107491F31
NPL_109_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_111_22__732361_Part14.pdf	840013CA6F5AF65D726064B327C5D1A00EA70E2D5E4883E13DB55C5F7FF701CD257D16924E5FE7806C6C43C41D19964D1DB5FE9023355F83F963EECA785470FF
NPL_109_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_111_22__732361_Part15.pdf	43C31AF0082C7F4174763B00A1955B7DE399C935CB459511F6D0464239B64D023A08C5CCEC9326C4B4A01514032432E692EE8D31BCD4F61E4B17AF9FA777A0A7
NPL_109_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_111_22__732361_Part16.pdf	6BE8EA531AB50930433C4C2B2C3DD2307F42D538AE62428CDFE6AD29057F226C3676197B0BC5F5D991D677B1235822675408C455A29C9D7AB7FB8BD465149287
NPL_109_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_111_22__732361_Part17.pdf	7CF3A81FAA49022026DBEB1CC624B8298BDC28227695D0C4F27FE9C0E3BE5416B99CB46DF62803FA5954F9AF2B78E0A6FC3F306A3377B1A1E56CC45594537656
NPL_109_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_111_22__732361_Part18.pdf	7E182BD77DCD42AE1AA730E10FF504B6CEE8DBC92E10BB3299DA477CC8EACFA8FA2213906FF2117F28756B12DA6E6385EB286F5B54F15465B9A16FC0A85272D6
NPL_109_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_111_22__732361_Part19.pdf	E5B3F6B0A7620143B123B6DF1CFC3FB2948696770C1C0C6226979410397E6CEB958D750E55C9F3F525BEE69D873588DCB40742C95CCF9623F09FC10E4B862361

NPL_109_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_111_22__732361_Part2.pdf	F59FC20D4A9830001E83729EA4A8E0B230C67EE84D9EE23794EAE908AE490D04A53E132EE8B33C744ED49B96E1AD390BD85DF90390BDC0B04DD2FE1EABC203C6
NPL_109_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_111_22__732361_Part20.pdf	571E0C33975C8404303B372775AC0432B6CF7CEEF51CA31253FDF310B72BB71B39D885FA32F8F239E7468CBD7AC8ADA7EB00AC292C53D35A95580BE06E4C82A2
NPL_109_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_111_22__732361_Part21.pdf	D7C32775A9B44D26958D4BD530BB7DF631CE261085E510D54B524258BDB7481E84D13B394F84C72DDBDB0900910A3E49C7F5EE79D8FBFB4E66E8F9F53FF2E4CA
NPL_109_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_111_22__732361_Part23.pdf	EBD6C39AF8D09A378541079AAD7088C9B7A4E5F12A5F8AFDE6A0442217592921DDC1CF1BCB99F4F49C56A2F960CE1F102E7ABFD0EDF3D6416578AEF7B95D835D
NPL_109_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_111_22__732361_Part22.pdf	CB9FDB19E4F0062A1EDC6DDBCAF64BFCE565335DC69C805CDE9965AB97C98D01F552C9B038584DAF5E7A5754794987C16F541A24430AA8C8750CF076F0A92A85
NPL_109_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_111_22__732361_Part26.pdf	4A04225408FCC6FF061A991F2A14E966FE10E7D2D12C2C145B74FA36C091C8015487B02CAA485A8DA5D567110286218932 5EC611E7468B6B0B4AF25D2B50BF20
NPL_109_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_111_22__732361_Part24.pdf	3CE9AB8B160CC0CB6F698A3BB79DDAA4E288C1A423CCCD28C4F0B2DF0F5D58780025CB0DD0B8011A8EA04580113776F783FD2DFA2AB3BD4AE77F4213CE48BDBF
NPL_109_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_111_22__732361_Part25.pdf	AFF19FE27DA4BAE79CFA2A488408A9741AD332F98C98AA4E9458311C50083BEACA50D7660A8FBF889763F1DBF7A131DD0EA12BBDDF08336E3807D2FB7B83D48F
NPL_109_PETITION_FOR_INT	ED353396826166A09662B5C613239E8AE08D41FF7308209A73

ER_PARTES_REVIEW_OF_CLAIMS_111_22__732361_Part3.pdf	E0B4DDE7A8EE74709BA69140545F82902DDDA061539459CEF764AF3373FCFDCB86E19FDB12283B
NPL_109_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_111_22__732361_Part4.pdf	903C736E909B9EE3BC0ACF20F540ACEF76AFF3A7AB2177C7B3A076791B613300D9E3E83BE6A00C3261FB2A27821779C66CDB86E83E6604A61EAD791A30BA7B5B
NPL_109_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_111_22__732361_Part5.pdf	31ED2C05CDDDC41D7C113696645C934A2B1B806210F86928E2F526857124AFC8C04F20601FFAE7B2FF7B40D9AB0B71E8F581FC127E1A38B3AAEAA2D18BD65FC0
NPL_109_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_111_22__732361_Part6.pdf	2209F05C3683397869293482221C4B2E4C408F26C91BE480EBF7EBD577F21123DF11472D99BF32B5D9C3C68BFA577EC84CE744E0DCF80E6C95006C37E09704B9F
NPL_10_Apr_8th_Scranton_Comedy_Club_Show_w_Headliner_JOHN_732373.pdf	DD17EF29505B0ACE8A683A91885C9467DC7693FDF8CC0EE22FB2B40CD8B37D121A4351AA70D9E8B770C0ED5C4DE71DA51E0388FBC2ADECA3FDAFAC1880DD8945
NPL_109_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_111_22__732361_Part7.pdf	74BD477EBA82A91498AA84056357DAA3CD17D6C4575C5EE9E8CD573C9060C38AA47D352E2EE072773217A5EC965BC7E3761EA2F21E02992406FB3E82CFCB840A
NPL_109_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_111_22__732361_Part8.pdf	B80E5130868A551345C03EEAD80A58B44703D40586744E30C7970E475ACDA18A8126F0DA911EEBCE1DB37C65775688CDBAB6E5D0832DC41C96382F975CE3C398
NPL_109_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_111_22__732361_Part9.pdf	5DD03B0B3A9EB059798686341F3E43EF389986062EEB89D7348CDC859F94EEED6F750BD0212CBE09122F843F919B006409175FD45AC3F643EE43F89B565BFC12
NPL_110_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_1221_OF_732265_Part0.	A8B5B0CBCCBD4AD90617E492533BE2AC9D240AE75D9246711F90AB72474085F988F93979B395A2B0C497D9A446207399B232BC15307AB6833E05D0762EF5174A

pdf	
NPL_110_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_1221_OF_732265_Part10.pdf	373C2CD0D6EC860C7EA9D7FD76B671499567C54BE3E75DECD0A32D1E1FF4FB4706C8490A3C77795372498F3635CC52FFDD482B274D6770B72FDE78D5045153F4
NPL_110_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_1221_OF_732265_Part1.pdf	38E1AEE093712EC1F3AF5A5169E011BDEF99576DE854B23B346093E5FE4CBE8DD2A8E0917BF3E980B787EFDA51C66A70E3645B26D1C4E935223B598E8DD6BADC
NPL_110_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_1221_OF_732265_Part11.pdf	0B3C7CF72E06FE2E0CAF4523FAF755FCC82F7D3F2FB5F0ED919274B77C17DBFC6781DEAA83184F7D34748F7B04FA7504FCF6F031DC43C065B3D8F3BF2DDAAE9F
NPL_110_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_1221_OF_732265_Part13.pdf	227121BA1FC9460A2402801F155C0E926C0A56D896C49A520886C88D2421A1AB0971E927103885A1B32E9F5BE9BC0E802D5F3E8971183095335F143A4B75EB86
NPL_110_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_1221_OF_732265_Part12.pdf	2FD647E3F410522715FB8C4C6615A6DD7BBE50309391DC29F658D0B8235DE7384EECDC7B30C17022FADB425B51BA090BF083538DF730A03D8BC90FFE0F5D9358
NPL_110_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_1221_OF_732265_Part15.pdf	073B62C6C00FB48F6BA1CB4413431B9CE68BC003B695B99FE886F0E80797C0DF62DC16B24D54B4FA390F4DEB6841357BCA7B7E76329084536FE400CF7B826781
NPL_110_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_1221_OF_732265_Part14.pdf	74B104CD28A83F65B064E0E93C1B00D04B670DFFD8008A5748E4939903A40B269170EB5BAF127366829497BA76232776C996CB2852C11A72C97556979C8FC9C8
NPL_110_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_1221_OF_732265_Part2.pdf	1BD4096853E1001C85E60C3D63EA64A597063F723763CFA46B88A363FA5AB8FA59496F672B40E2E3E936D01A12560B2315CD69646AFCE50D172C8A8CEB7E4F0F

NPL_110_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_1221_OF_732265_Part3.pdf	7D042D974E776B9FE177D42271306CE2903340AD87004974DBD173A29B5A2BD462EF82CCCBA82FA4065CA21131FE2DD8FA07658A96E0F14CE22C0AFB090677CE
NPL_110_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_1221_OF_732265_Part4.pdf	06AB367BA99AEBDCC6BB6FA641BA140D6B471E06DB86EAAD8758DEF8E664105EF29675E454B04D7DD9EEEE2D2D8E808223C330E43CCE83590E32E37DEEA6B135
NPL_110_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_1221_OF_732265_Part5.pdf	566733B01859D80741269E83FD1997F7D911F430B4D0B67EF8205420B7CCB29B575E8A5B6F047121C71810E7AE309312EFD916107EDF5D6593456DD72B51C61D
NPL_110_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_1221_OF_732265_Part6.pdf	508FA77C1CB091635B31F7637B2BFD63FDA6E51843B7E00C604AD9502179D45961C6A8AEBF8D556BB7DF9BE344A1821A2B9E92F57C83839DC9EC6DC3A048F3DC
NPL_110_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_1221_OF_732265_Part7.pdf	6F397A09E42A7400070D8E2C612471E1C6D645CA02291E7D5E084413B782038944354BD64D4E0AD186CBF26F24E46A95D88C97E45EF9818D098B21CF3868DEE1
NPL_110_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_1221_OF_732265_Part8.pdf	767167047C65C80E2934160B902DAA520645674158EBB9345A6930BF8502A8E65D25A65B2F1A5B834BE7A2A7FF93E124E01E745CE6A75C2AB23B70D5CDEF5D8A
NPL_110_PETITION_FOR_INTER_PARTES_REVIEW_OF_CLAIMS_1221_OF_732265_Part9.pdf	B660345F28E522EC55FAF3D1C0148377C82935B8CB9BC16E5B502AD5BE138898D1588A5FA68DAD056877CB6101BA3D8C4F43E9BC3771202BC805AF5F3E33E2F5
NPL_111_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_1_732328_Part0.pdf	FA3B00A33FA36064010BA363BBCFFE63463A202000D2984AB661AD824B62D6FC448DFE2FB300D4AEA3FD75BD5A465A4F4F3D0CA78CDA855015AB2302CF2926BE
NPL_111_PETITION_FOR_INT	1B843C114DD8565EF17119208B2F9936286F3C134A60947CE7

ER_PARTES_REVIEW_OF_US_PATENT_NO_1_732328_Part 10.pdf	E98FB9C1523EFDD14F6E38D2349054B4A45DF31B3552C20CD C2E70B47A704B0CB29396465A8EBC
NPL_111_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_1_732328_Part 1.pdf	FC3AD65134C165D52FD01A784DF8027E82B1B7083BE1E402D 4B665001F02A3FF1098D77B37F6FA6F2B9A4EDF7DF9960A0F ACECB5CD54726F2B4959B2555453D7
NPL_111_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_1_732328_Part 11.pdf	54825FFE6C2D18AB3CAD7F8F499FF3507E9C57A10E72DE8C6 8876647C31D5342C7FAA9E0FA0CAACC1E88AEC66EC1CA07B B660313C4290E0F3F1E8C213E021FD0
NPL_111_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_1_732328_Part 12.pdf	A709E8B7E39CB8E5C4DBFF9A30DDAAC0B92C959F4E98B402 C299CDA279EF0230532E130C0F96E140B935148CF4E6976B7 D9AC76302ADA77D1D9DACD90AA03C87
NPL_111_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_1_732328_Part 13.pdf	C36C1666BBF9562C2C6A316A42DA0F1362B469B2F00CD7816 3D9B5D6EED6B30146F7B3A85905F2B6D5604D1588A9C50CA7 DA0B87D8FA8C91E05808A9BE4603B1
NPL_111_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_1_732328_Part 14.pdf	7F8A01971F86C2824A9623AFD72F5BB902928B788D960CD675 4EBBC3C6EFAD218C366A81353E9820DB3938A67F1EF1453EB 16E3F5C96581DD2E5A1352AB99D6D
NPL_111_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_1_732328_Part 15.pdf	E8A18F274E7678FF82DEE8879434529FC5D2C417BD8800C409 015AAEC04F85576999FE5CDDBA33268F472B69AF4432388E38 D96FCFCE1A2D6CD6D22471C846B4
NPL_111_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_1_732328_Part 16.pdf	7A2A09585CB7C2E0C37D9F0A0D3B7ABAA3ED2C4290D2A416 33718069A5E44952A75D593610673A24BE432661CAF45FBC19 98C6AFC3A2975035F94FC8B6DD1D7D
NPL_111_PETITION_FOR_INTER_PARTES_REVIEW_OF_US	B804D1DD149E580D20A9F212AAD89B088941D76EB1919BC86 4FF8E1D95E3B9DD00642D040846413728679A7E75C9B0EC78

_PATENT_NO_1_732328_Part 17.pdf	3813589AF66041116AFDD9F877D39
NPL_111_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_1_732328_Part 18.pdf	78372B4725AC2B6BF7DE5CC66000D28B69AE13C06F17959DCCDE760313793 4DB17B86CD7CE842DB448D93814DCBA4480A93CFCD976CA9572E2B99A20DEC8B9DD
NPL_111_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_1_732328_Part 19.pdf	CFF4A7ADC021E742630FC11DFCE7AC5213D7F21DF96855328C4334BFE30ABAF9137FAD9E56DAE9E3BC72B93DCBBC2CFCC126B6F103587B68DEC6543AA01D15F3
NPL_111_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_1_732328_Part 2.pdf	4D81F34AE6777770AB55510CD10F9EEAB8B50C703E3CFE8AB8EB8C2F4F952C9102A35A05D0EA1FD3A6C9385A0556F0B19B0E962E9CB5BAC7E86F7952D6F6793A
NPL_111_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_1_732328_Part 20.pdf	4C05EDC3187E6B19B4EE08669502CE1FC3BEBFA28EED05CBEEDB7EAE3C4A9DAA8B9C47867A17958895CEF3D40EFB7D984B9F6EF4D8FE95FDAA23CEF2CCEF9FBD
NPL_111_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_1_732328_Part 21.pdf	E8ADAE1EDFF3C602778E91CEC43C67928AA21CFDB0E2D2E492179D5A690905F2300D0EE85080720A49733F4726D890AFEA8BB49626493A3AD7540C34D0F10895
NPL_111_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_1_732328_Part 23.pdf	01F8BBED1B40C4D891F440243CDAA02684F01A8B7EA8B8E6D398D01422F7D5A50347930EE8536BA21F256D10A17E92FBECDAF46F4E4C34A9FA6E07AB99609BC5
NPL_111_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_1_732328_Part 22.pdf	1403E96AF7D7DFAC7F53C156082059EABBA461C53BBACC37A7228069A3D4FF3EE5E4ACD7744DED711F5AC47AE838EEB4D63F9CDA3A24603F1798FD8E902A8DD8
NPL_111_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_1_732328_Part	E44A315C478ED556B236DC8024D626FF2CB1F19C3DC7FD8A88F1BEE2D3059F9F857D9FD1E78C30141C2835E24503B69B5181A137B50193A6DC78EAE9E82055DA

24.pdf	
NPL_111_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_1_732328_Part25.pdf	FFEA0C2B9DDFE5079CE997E2C7B59E93D58348A55C8B44575D3C3B6BA240891CB1156AA67DA413684E5892B064231D63DD29C5F6C710914B2135E425473D052E
NPL_111_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_1_732328_Part26.pdf	CA32EEC639E6B0E50B5CECAF653AD239D17FBBFFCFC10A53402B39DEA1DA3752ACD1E2CC152AFE3120380AB3E1DBF9FC36E2D2CD17987590594523373 5F8EA46
NPL_111_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_1_732328_Part27.pdf	1F9775B3F8E60B359506EC7D90202586B2EBE5BE31E2F32C9BF81C981D68DE2BED274D7D20CBB0EA7AEA17A03FEA1458CB95A062C2C7BB14F9918E790266DAC5
NPL_111_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_1_732328_Part28.pdf	19A19CEBF121A0021C619B0D8844E52A70AC93DC56C4F3CE71A7864CE170B28F009351AE3F162BBC3D7E43901FEE916BD2269F3A9E847A592264380FEEB73121
NPL_111_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_1_732328_Part29.pdf	723C6F1F4B523C42C8EF5B7D2618E62A216BE5F55E2D67FE00C1CE548236876E50F51DBA1947CADDC5C7CAAF7374BFC36FE46A3DCD86507B439C00E7CFB1CB74
NPL_111_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_1_732328_Part3.pdf	24408A138A7158F8383E905A8467ECBEE9EF072B146BDFE1CBB69CF214B4429A9FEF11A4B016FF2D52A711995A40F8EEC64B82EAD7AF53D1FB4D0AA71F0556F9
NPL_111_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_1_732328_Part30.pdf	B3AF2D110CE11904475B5964BF88C9373C5BB0A1AE3D5C87A41701437D1DB0AC0EE7F8A4BDFAD2070D64AF18A1F09CB75F7963AD20A098858C125BC6DB3638B8
NPL_111_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_1_732328_Part31.pdf	8F3378B2E32090968D1D9925EFBEB5D15CD8EC02C7480A3109DEDFC0088AF47672D65A15F8787D463CA384C167C5FC73228F79BD50324C62B3D764470DB6B607

NPL_111_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_1_732328_Part32.pdf	46EFB0CEB8AD7516740051CE61706C167F47D432FF048B03B915A4D63069CD0439779C5D77A1D737BE852920C8728FF691BA475ACDBA37BB33687784649E6966
NPL_111_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_1_732328_Part33.pdf	55AF84C599A53D72CDFFE326966689DFA74833E65D9AD9B8AB25D785C50D53E444CDBF792FBB209BF9B17478CBC8138A480912D864BAE2879207CB1FC7C2C5A9
NPL_111_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_1_732328_Part4.pdf	7A7E875E97E36087A7CC9D0D7F9766EB85A252DF395AB1D52D6544BBDE4BD125C3BA41639553A992225B483E9AD7C30E333D1DE8B8362D1380F7A968BD674516
NPL_111_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_1_732328_Part5.pdf	E0D662BC79905F0D2D05BA8BEF390F40F2ECE3B4988C5C880DE4AEB74501CCF73AD1C1C37A2BD64D4992B3016A367B19C5831B474C8F2717CDD36A8814D36543
NPL_111_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_1_732328_Part6.pdf	C284F1F92133C6106AB978282B100E5B8D9EE6671B3733C070C1AC1AE109FC4EAF70704968EDB18904932586B6575E2E6A879DDC84F5486551B1A6DC45BCE87D
NPL_111_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_1_732328_Part7.pdf	206E1FDBCD3AF8A4D0DD41939620CA014F5AD38CBB025284A8CAFB6ED4A80986C9EBFE9DAF17F5A5D2AED5009B557BD92AA56C2D43F89729DB9934E82AB8D0EB
NPL_111_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_1_732328_Part8.pdf	CD1F625B9697B4B14DB644786585EC9F6AD4898D4F52B3C35735546661C883859B9F2C015CB3896133A3466E60AA0A940A086E5DE256552FDC939D39DA4B063B
NPL_111_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_1_732328_Part9.pdf	3523286417DA776E9BD029B0D19CD0DFF9F7486775FC4E10EFDC64CD23B499B58C4F65B5E7B7FFEFA2CC720FB0533D12DFAFCB23C88B20F09936344C083004EA
NPL_112_PETITION_FOR_INT	1601B559D06F44F976CB7E13DB04BEE1DCB34CEC1382306C8

ER_PARTES_REVIEW_OF_US_PATENT_NO_8_732342_Part 0.pdf	00CBF492B2A3B56394FB1B101015716B2CEC6C9F51B5F2EDA 37CF3B8A796410DB47B2AE31FC0C17
NPL_112_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_8_732342_Part 1.pdf	FD28ADBB7F814C27D2541FAF39849A5E8BA3342BAFA2624C C52D3ED8253BFBD03EED46E9897E26079A559F158EB6E00EF 53BDE8F6B7A5886F2D488A6AD9610E8
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part 0.pdf	734DD17E306469EE88D9963FEF1D50770944BAB65EAB1CECA E0834E269030B01AD51D5881B9C16F657F03624EA990401535 985BAECDA5F4F11B87D3DCD8EEEF3
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part 1.pdf	993409302157E5F36109C6836564A8C65DD1451163DC950EB0 7CF0F5B6CA286723A17E3FFE9402D13727AF56866FCAE54D0 8DFA657993224FB8801E02E601B0E
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part 10.pdf	D24642B7DD1FA2043B0FB2A6AE76C06B589CA9ECB3E2056A 86C268A1245F89BDFCEB12BC247F8953DA336EF68C742EBE4 1D53D1403F1E5E6AB57762AECA7186D
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part 11.pdf	BE169C77B30696EBED87A5E13C39D7A0E2CCFEDBD9BBADC 8F77869CB273F614E7BB19CA68104008FB4A54EF61AC090045 AAAF20E6E4083406E7B0915715FAAB3
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part 12.pdf	58BC78DB96BCB5E247AECFA943C01A2D6522B2DC5D787C64 36BDE124948A1B1A1CF195BDE639C9C22F1590883BF6D87E6 11FCEB8DC52427CDCE22C3444C13FD0
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part 13.pdf	04EE317C378802189C6F6099EE6ACD9A3B159B59AC78E9393 9FB8E1D72337DABCF87D05A4C69E880C0FA3A32346B10C65E 21AD3669804DB6D0C6828335367603
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US	27B3DA737917659AE829249A876F8E5E36118C0B54C76140A0 B16FB0B5C00461294BC169ED135574A66EED6EAFD85A7A04C

_PATENT_NO_9_732335_Part 14.pdf	122371A373AA91EEE27BDFE2842A3
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part 15.pdf	DB1FDDA50CF5870B5FBFCA5231B8C4D0ACDB558C0A2706423D34A10E4A15FC15A94119AD6CAC016F9281803317F5E797C74CC3345377B9154F2337F45CCA4F02
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part 16.pdf	E599B0F31CBE7081EA95ABE54E6C387D9B4C738ECAEECB31F65B4140627A029ABD7E8DFC704FCDB1D285700C1776B2B730DF7F78248F04C8A58DCBA4C5C5569B
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part 17.pdf	A00E1D732860CD887D7689CC7A0DEFBC197DA7D37C994984518CE4122DBB2CC3AB92944FB95A6728DC6D15AE1098A9DBF3B09A94028A9A9A42740E9A059A0B80

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

Espacenet

Bibliographic data: JP2005080211 (A) — 2005-03-24

SAFETY INFORMATION PROVIDING SYSTEM

Inventor(s): IKEDA HIROAKI ± (IKEDA HIROAKI)

Applicant(s): HITACHI SOFTWARE ENG ± (HITACHI SOFTWARE ENG CO LTD)

Classification: **- international:** ***G08B21/10; G08B25/01; G08B25/04; G08B25/10; H04M11/00; H04M3/42; H04M3/487;*** (IPC1-7): G08B21/10; G08B25/01; G08B25/04; G08B25/10; H04M11/00; H04M3/42; H04M3/487

- cooperative:

Application number: JP20030311655 20030903 Global Dossier

Priority number(s): JP20030311655 20030903

Abstract of JP2005080211 (A)

PROBLEM TO BE SOLVED: To provide a safety information providing system capable of instantly collecting safety information on a victim without being affected by the congestion state of a communication line immediately after disaster occurs, and releasing the safety information. ;SOLUTION: The safety information providing system includes a service center and a safety information providing server. The service center comprises a concentration processing section that acquires the communication record between a cellular phone terminal that the victim has and a communication base station from a cellular phone carrier and acquires position information on the cellular phone terminal from the communication record; a terminal information storage section for storing the acquired position information on the cellular phone terminal; and a terminal information providing section for providing the stored position information on the cellular phone terminal. The safety information providing server comprises a terminal information acquisition section for acquiring the position information on the cellular phone terminal from the service center; a safety information storage section for storing the acquired position information on the cellular phone terminal as the safety information; and a safety information providing section for providing the stored safety information. ;COPYRIGHT: (C)2005,JPO&NCIPI

(19)日本国特許庁(JP)　(12)公開特許公報(A)　(11)特許出願公開番号
特開2005-80211
(P2005-80211A)
(43)公開日　平成17年3月24日(2005.3.24)

(51)Int.Cl.[7]	F I		テーマコード（参考）
H04M 3/487	H04M 3/487		5C086
G08B 21/10	G08B 21/10		5C087
G08B 25/01	G08B 25/01	A	5K015
G08B 25/04	G08B 25/04	K	5K024
G08B 25/10	G08B 25/10	D	5K101

審査請求 未請求　請求項の数 10　OL　（全 21 頁）　最終頁に続く

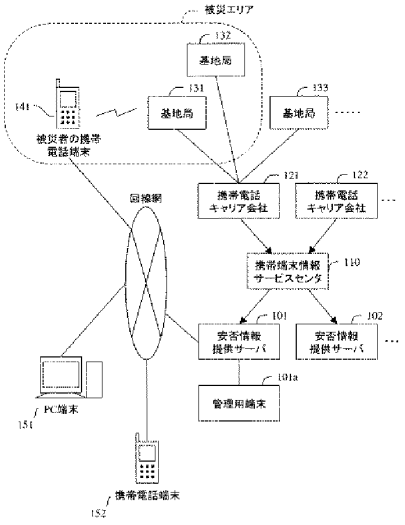
(21)出願番号　特願2003-311655(P2003-311655)
(22)出願日　平成15年9月3日(2003.9.3)

(71)出願人　000233055
日立ソフトウエアエンジニアリング株式会社
神奈川県横浜市鶴見区末広町一丁目１番４３
(74)代理人　100091096
弁理士　平木　祐輔
(74)代理人　100105463
弁理士　関谷　三男
(74)代理人　100102576
弁理士　渡辺　敏章
(72)発明者　池田　浩彰
東京都品川区東品川４丁目１２番７号　日立ソフトウエアエンジニアリング株式会社内

最終頁に続く

(54)【発明の名称】安否情報提供システム

(57)【要約】
【課題】　災害発生直後に、通信回線の輻輳状態に影響されることなく、即時に被災者の安否情報を収集でき、その安否情報を公開することが可能な安否情報提供システムを提供する。
【解決手段】　被災者の所有する携帯電話端末と通信基地局との通信記録を携帯電話キャリアから取得し、該通信記録から前記携帯電話端末の位置情報を取得する集信処理部と、前記取得した携帯電話端末の位置情報を記憶する端末情報記憶部と、前記記憶した携帯電話端末の位置情報を提供する端末情報提供部と、を備えたサービスセンタと、前記サービスセンタから携帯電話端末の位置情報を取得する端末情報取得部と、前記取得した携帯電話端末の位置情報を安否情報として記憶する安否情報記憶部と、前記記憶した安否情報を提供する安否情報提供部と、を備えた安否情報提供サーバと、を含んだ安否情報提供システム。
【選択図】　図１



【特許請求の範囲】
【請求項1】
携帯電話端末の無線基地局を介して災害発生時に被災者の安否情報を提供するシステムであって、
被災者の所有する携帯電話端末と通信基地局との通信記録を携帯電話キャリアから取得し、該通信記録から前記携帯電話端末の位置情報を取得する集信処理部と、前記取得した携帯電話端末の位置情報を記憶する端末情報記憶部と、前記記憶した携帯電話端末の位置情報を提供する端末情報提供部とを備えたサービスセンタと、
前記サービスセンタから携帯電話端末の位置情報を取得する端末情報取得部と、前記取得した携帯電話端末の位置情報を安否情報として記憶する安否情報記憶部と、前記記憶した安否情報を提供する安否情報提供部と、を備えた安否情報提供サーバと、
から成ることを特徴とする安否情報提供システム。
【請求項2】
前記サービスセンタは前記携帯電話キャリアから、通信基地局の位置に関するマッピング情報を取得し記憶する手段を備え、前記サービスセンタが有する前記端末情報提供部は、前記携帯電話端末の位置情報と関連付けて前記マッピング情報を提供することを特徴とする請求項１記載の安否情報提供システム。
【請求項3】
前記安否情報提供サーバは地域ごとに被災情報を記憶する被災情報記憶部を備え、前記安否情報提供部は、前記安否情報と関連付けて前記被災情報を提供することを特徴とする請求項１又は２に記載の安否情報提供システム。
【請求項4】
前記安否情報提供サーバは利用者の登録情報として、携帯電話番号及び携帯電話端末ＩＤのうち、少なくとも１つを記憶する利用登録情報記憶部を備えていることを特徴とする請求項１から３のいずれか１項に記載の安否情報提供システム。
【請求項5】
前記端末情報取得部は、前記利用登録情報記憶部に記憶されている利用者の携帯電話番号又は携帯電話端末ＩＤに基づいて、前記サービスセンタから当該携帯電話端末の位置情報を取得することを特徴とする請求項４に記載の安否情報提供システム。
【請求項6】
前記安否情報提供部は、前記利用登録情報記憶部に記憶されている利用者の登録情報に基づいて、前記安否情報及び前記被災情報を各利用者に配信することを特徴とする請求項４又は５に記載の安否情報提供システム。
【請求項7】
前記安否情報提供サーバは被災した利用者から自身の安否情報を受信し、前記安否情報記憶部に記憶させる手段を備えていることを特徴とする請求項１から６のいずれか１項に記載の安否情報提供システム。
【請求項8】
災害発生時に、被災者の位置情報を提供するシステムであって、
被災者の所有する携帯電話端末と通信基地局との通信記録を携帯電話キャリアから取得し、前記通信記録から前記携帯電話端末の位置情報を取得する集信処理部と、
前記取得した携帯電話端末の位置情報を記憶する端末情報記憶部と、
前記記憶した携帯電話端末の位置情報を提供する端末情報提供部とを、
有する位置情報提供システム。
【請求項9】
前記位置情報提供システムは前記携帯電話キャリアから、通信基地局の位置に関するマッピング情報を取得し記憶する手段を備えており、前記端末情報提供部は、前記携帯電話端末の位置情報と関連付けて前記マッピング情報を提供することを特徴とする請求項８に記載の位置情報提供システム。

【請求項10】
　災害発生時に、被災者の安否情報を提供するシステムであって、
被災者の所有する携帯電話端末と通信基地局との通信記録を携帯電話キャリアから取得し、該通信記録から前記携帯電話端末の位置情報を取得する集信処理部と、
前記取得した携帯電話端末の位置情報を記憶する端末情報記憶部と、
地域ごとに被災情報を記憶する被災情報記憶部と、
前記携帯電話端末の位置情報と、前記被災情報とに基づいて、当該携帯電話端末の所有者の安否情報を提供する安否情報提供部とを、
有することを特徴とする安否情報提供システム。
【発明の詳細な説明】
【技術分野】
【0001】
　本発明は、大規模災害の発生時において予め登録してある被災者の安否に関する情報等を提供するシステムに関し、特に災害発生直後の通信回線や情報が混乱しやすい状況において、被災者の安否情報等を正確かつ迅速に提供することができる安否情報提供システムに関するものである。
【背景技術】
【0002】
　地方自治体や電力供給会社・ガス供給会社等のライフライン企業、非営利団体などによって、防災情報の提供、防災支援業務、災害発生時の対応業務などが行なわれており、地域住民の安全確保が図られている。特に今日では、インターネットを利用して、上記の各種業務を提供する防災ポータルサイトを設置し、地域住民であるユーザに利便性の高いサービスが提供されるようになっている。
【0003】
　このようなインターネットを利用した防災業務の一つとして災害発生時に地域住民各個人の安否情報等を上記防災ポータルサイトで確認できるようなオンラインシステムが提案されている。
【0004】
　これは、地震等の大規模な災害が発生した場合には、安否確認等の電話が急増して回線混雑により輻輳状態となるなどの混乱が生じ、被災者の安否を確認することができなくなってしまうことや、テレビ放送、ラジオ放送からの情報では、被災者各個人の安否情報を容易には入手できないことなどから、実用化が強く望まれているものである。
【0005】
　特許文献１に記載の安否情報提供システムは、地域住民が予めインターネット上に設置されたサーバに利用登録をしておき、大規模災害時に自分が被災者となった場合には、携帯端末等を用いて上記サーバに自身の安否情報等を送信し蓄積させることができるものであり、また、被災者以外の者（例えば、被災者の家族や友人・知人など）は、上記サーバにアクセスして、当該被災者の安否情報等を検索し、確認することができることを特徴とするものである。
【0006】
　この安否情報提供システムにおいて利用登録や安否情報照会、各種情報検索を行うには、コンピュータ端末機や携帯端末のＷＥＢブラウザを利用することができるようになっており、利用者にとって利便性が高く、また、システム構築コスト及び運用コストが低く抑えられている。
【0007】
【特許文献1】特開２００２-３４２８５９号公報。
【発明の開示】
【発明が解決しようとする課題】
【0008】
　ところで、大規模な災害が発生すると、その直後から救助・消防活動等への連絡や、被災者への安否確認などを行うための電話通話が被災地に対して大量に発信されるため、被

災地域周辺では通信回線が混雑し輻輳状態に陥ってしまうことが多々起きている。

【0009】

このような輻輳は、固定電話、携帯電話、ＰＨＳ（Personal Handy-phone System）などのいずれの回線においても起こりうることである。

【0010】

このような状況では、被災者が上記の安否情報提供システムを利用して自己の安否情報等をサーバに送信しようとしても通信回線の輻輳のため、サーバへのアクセスができないという問題が起きてしまう。

【0011】

災害発生時の通信回線の輻輳を回避しようと、衛星通信回線などを導入して回線を多重化したり、回線集約装置を増強したりするなどの試みがなされてはいるものの、システムにかかるコストが増大するため実現が難しく、災害発生後数時間～数日間、通信回線がしばしば輻輳状態に陥るのが現状である。

【0012】

したがって、現実には、現存する多くの安否情報提供システムでは災害発生から一定期間が経過し通信回線の輻輳状態が治った時点で、例えば災害発生から３日後以降に、被災者の安否情報の収集を行うことができる状態であればよいというような、割り切った運営がなされている場合が多い。

【0013】

しかしながら、被災者の家族らは、被災者の安否状況について、たとえわずかな情報であってもできるだけ早く知りたいと考えるものであり、また、被災者本人も、自分が安全であることや負傷してしまったことなどを、安否確認システムを利用していち早く通知したいと考えるものである。さらには、災害現場で復旧作業を行う者が、行方不明者を発見したり、負傷者を発見したりした場合にも、安否確認システムを利用して迅速に通報する必要が生じる。

【0014】

このような要請がある中で、災害発生後に数時間～数日間もの間、被災者の安否情報の通知や照会が全く行えないのは、安否確認システムの存在意義そのものが問われるような問題点である。

【0015】

そこで、本発明は、このような実情に鑑みて、災害発生直後に、通信回線の輻輳状態に影響されることなく、即時に被災者の安否情報を収集でき、その安否情報を公開することが可能な安否情報提供システムを提供しようとするものである。

【課題を解決するための手段】

【0016】

上記解決課題に鑑みて鋭意研究の結果、本発明者は、被災者の所有する携帯電話端末と携帯電話用の通信基地局との通信記録から、その被災者の存在するおよその位置が割り出せることから、災害発生時にこの通信記録を取得し、得られる被災者の位置情報に基づいた安否情報を提供することができることに想到した。

【0017】

すなわち、本発明は、災害発生時に、被災者の安否情報を提供するシステムであって、被災者の所有する携帯電話端末と通信基地局との通信記録を携帯電話キャリアから取得し、該通信記録から前記携帯電話端末の位置情報を取得する集信処理部と、前記取得した携帯電話端末の位置情報を記憶する端末情報記憶部と、前記記憶した携帯電話端末の位置情報を提供する端末情報提供部と、を備えたサービスセンタと、前記サービスセンタから携帯電話端末の位置情報を取得する端末情報取得部と、前記取得した携帯電話端末の位置情報を安否情報として記憶する安否情報記憶部と、前記記憶した安否情報を提供する安否情報提供部と、を備えた安否情報提供サーバと、を含んだ安否情報提供システムを提供するものである。

【0018】

ここで、携帯電話端末と通信基地局との「通信記録」とは、携帯電話端末が自端末の位置を知らせ、通信経路を確認するために、通信基地局に対して定常的に送受信している制御用電波の記録のことを言うものとする。

【0019】

本発明の安否情報提供システムにおいて、前記サービスセンタは、さらに、前記携帯電話キャリアから、通信基地局の位置に関するマッピング情報を取得し記憶する手段を備えており、前記端末情報提供部は、前記携帯電話端末の位置情報と関連付けて前記マッピング情報を提供する。

【0020】

これにより、携帯電話端末がどの通信基地局といつ通信を行ったかという情報と、その通信基地局の位置に関する情報とから、携帯電話端末の位置情報を割り出すことが可能となる。

【0021】

本発明の安否情報提供システムにおいて、前記安否情報提供サーバは、さらに、地域ごとに被災情報を記憶する被災情報記憶部を備えており、前記安否情報提供部は、前記安否情報と関連付けて前記被災情報を提供することを特徴とする。

【0022】

被災者の携帯電話端末の位置情報のみならず、その特定された位置の被災情報も合わせて提供することにより、被災者の安否をより詳しく知らせることができる。

【0023】

本発明の安否情報提供システムにおいて、前記安否情報提供サーバは、さらに、利用者の登録情報として、携帯電話番号及び携帯電話端末ＩＤのうち少なくとも１つを記憶する利用登録情報記憶部を備えていることを特徴とする。

【0024】

また、前記端末情報取得部は、前記利用登録情報記憶部に記憶されている利用者の携帯電話番号又は携帯電話端末ＩＤに基づいて、前記サービスセンタから当該携帯電話端末の位置情報を取得することを特徴とする。

【0025】

さらに、前記安否情報提供部は、前記利用登録情報記憶部に記憶されている利用者の登録情報に基づいて、前記安否情報及び前記被災情報を各利用者に配信することを特徴とする。

【0026】

これにより、前記サービスセンタが保持する膨大な量の通信記録の中から、対象となる被災者の携帯電話端末を容易に特定することが可能となる。また、被災者の安否情報の提供にあたっても、その被災者を携帯電話番号又は携帯電話端末ＩＤで容易に識別して処理することができる。

【0027】

本発明の安否情報提供システムにおいて、前記安否情報提供サーバは、さらに、被災した利用者から自身の安否情報を受信し、前記安否情報記憶部に記憶させる手段を備えていることを特徴とする。

【0028】

これにより、通信回線の輻輳状態などの災害発生直後の混乱が収束したときには、被災者自身が自己の安否情報を本システムに通報することが可能となるので、さらに信頼性の高い安否情報を提供することができることとなる。

【0029】

本発明は、また、災害発生時に、被災者の位置情報を提供するシステムであって、被災者の所有する携帯電話端末と通信基地局との通信記録を携帯電話キャリアから取得し、該通信記録から前記携帯電話端末の位置情報を取得する集信処理部と、前記取得した携帯電話端末の位置情報を記憶する端末情報記憶部と、前記記憶した携帯電話端末の位置情報を提供する端末情報提供部と、を含む位置情報提供システムを提供するものである。

【0030】
本発明の位置情報提供システムにおいて、前記位置情報提供システムは、さらに、前記携帯電話キャリアから、通信基地局の位置に関するマッピング情報を取得し記憶する手段を備えており、前記端末情報提供部は、前記携帯電話端末の位置情報と関連付けて前記マッピング情報を提供することを特徴とする。
【0031】
本発明は、また、災害発生時に、被災者の安否情報を提供するシステムであって、被災者の所有する携帯電話端末と通信基地局との通信記録を携帯電話キャリアから取得し、該通信記録から前記携帯電話端末の位置情報を取得する集信処理部と、前記取得した携帯電話端末の位置情報を記憶する端末情報記憶部と、地域ごとに被災情報を記憶する被災情報記憶部と、前記携帯電話端末の位置情報と、前記被災情報とに基づいて、当該携帯電話端末の所有者の安否情報を提供する安否情報提供部と、を含んだ安否情報提供システムを提供するものである。
【発明の効果】
【0032】
以上、説明したように、本発明の安否情報提供システムによれば、災害発生後、通信回線の輻輳状態が発生している間であっても、携帯電話端末と通信基地局との通信記録を随時取得することにより、被災者の携帯電話端末がどの位置に存在するのかをほぼリアルタイムに知ることができる。また、予め登録してある利用者情報に基づいて、被災者の携帯電話番号の他、名前の一部分や年齢、ニックネームなどの特徴を特定することにより、被災者の安否情報の照会を行うことができる。
【0033】
これにより、通信回線の輻輳により被災者自身からの安否情報が確認されない音信不通期間が生じたとしても、被災者の知人や肉親は、被災者の災害発生時前後における行動をある程度把握することができるので、落ち着いた対処をすることができる。また、災害発生後に、むやみに安否確認の電話等をするのが抑制されるため、通信回線の輻輳状態の発生が抑止される。
【0034】
また、被災者自身にとっても、通信回線の輻輳により自身の安否を通報することができない状態であっても、所有している携帯電話端末から自身の現在位置が割り出され、知人や肉親に通知されることが分かっていれば、むやみに心配をする必要がなく、落ち着いて災害状況の収束を待つことができる。
【0035】
また、本発明の安否情報提供システムを運用する地方自治体等にとっては、地域住民の被災状況を正確かつ迅速に把握でき、効果的な救助活動を行うことが可能となる。例えば、携帯電話端末の普及率から全体の被災人数の推定値を割り出すことが可能である。また、災害時の携帯電話端末の移動推移を元に、災害後の新たな避難計画の立案や防災施策の策定へと役立てることが可能となる。
【発明を実施するための最良の形態】
【0036】
以下、添付図面を参照しながら、本発明の安否情報提供システムを実施するための最良の形態を詳細に説明する。
【0037】
図１～図１２は、本発明の一実施形態を例示する図であり、これらの図において、同一の符号を付した部分は同一物を表わし、基本的な構成及び動作は同様であるものとする。
【0038】
〔1〕安否情報提供システムの全体構成
図１は、本発明の一実施形態にかかる安否情報提供システムについて、その全体構成を示す概略図である。
【0039】

図１において、本実施形態の安否情報提供システムは、安否情報提供サーバ１０１，１０２，…と、携帯端末情報サービスセンタ１１０と、携帯電話キャリア会社１２１，１２２，…と、携帯電話キャリア会社が各地に所有する通信基地局１３１，１３２，１３３，…と、被災者が所有する携帯電話端末１４１と、安否情報提供サーバにアクセスするためのＰＣ端末１５１及び携帯電話端末１５２とを含んでいる。

【0040】

被災者が所有する携帯電話端末１４１は、いずれかの通信基地局１３１，１３２，１３３，…と通信可能圏内にいるときには、その通信基地局との間で、自端末の位置を知らせるための通信を定常的に行っている。

【0041】

通信基地局１３１，１３２，１３３，…は、自局の通信可能圏内に存在し、発信を行う携帯電話端末との通信ログを蓄積し、携帯電話キャリア会社１２１に送信する。通信基地局１３１，１３２，１３３…は、また、携帯電話端末１４１との通信において測定された受信電波強度を、上記通信ログとともに携帯電話キャリア会社１２１に送信するようにしてもよい。

【0042】

各携帯電話キャリア会社１２１，１２２…は、自社内のサーバ装置などにおいて、各通信基地局から受信した携帯電話端末との通信ログ（上記した受信電波強度に関する情報を含む場合もある。以下同様。）を一定期間保存している。

【0043】

通常は一定期間を経過した通信ログは新しいものと置き換えられるようになっている。尚、各携帯電話キャリア会社１２１，１２２…は通信ログとして、少なくとも、携帯電話端末の識別情報、通信を行った通信基地局の識別情報、並びに通信時刻を保存するものとする。この通信ログにより特定の携帯電話端末が特定の時刻に特定の通信基地局と通信を行ったことが分かるので、当該携帯電話端末のその時刻における位置情報が分かることとなる。

【0044】

また、各携帯電話キャリア会社１２１，１２２…は、携帯電話端末が通信した通信基地局及びアンテナの位置から、当該携帯電話端末の位置を算出しており、上記通信ログとともに保存している場合もある。

【0045】

携帯端末情報サービスセンタ１１０は、各携帯電話キャリア会社１２１，１２２，…から、その時点で保存されている通信ログを定常的に取得している。あるいは、その時点で保存されている通信ログのうち最新のものだけ（スナップショットダンプ）を取得するようにしてもよい。携帯端末情報サービスセンタ１１０も、通常時においては、一定期間を経過した通信ログを新しいものと置き換えている。

【0046】

携帯端末情報サービスセンタ１１０はこの取得した通信ログを集計し、各携帯電話端末の位置情報として一定期間保存する。あるいは、各携帯電話キャリア会社１２１，１２２，…が各携帯端末の位置を算出して保存している場合には、これを通信ログとともに取得し、各携帯電話端末の位置情報として一定期間保存するようにしてもよい。

【0047】

安否情報提供サーバ１０１，１０２，…は、必要に応じて（災害発生時などに）、携帯端末情報サービスセンタ１１０から、各携帯電話端末の位置情報を取得し、本安否情報提供システムに登録されている各携帯電話端末に該当するものを検出することにより、該当する携帯電話端末についての位置情報を得ることができる。

【0048】

このようにして、安否情報提供サーバ１０１，１０２…に取得された各携帯電話端末の位置情報は、管理用端末１０１ａにより照会可能であり、ＰＣ端末１５１及び携帯電話端末１５２も、また、通信回線網を通じて安否情報提供サーバ１０１，１０２…にアクセス

することにより、各携帯電話端末の位置情報を照会することができる。

【0049】

尚、携帯電話キャリア会社１２１，１２２，…、及び通信基地局１３１，１３２，１３３，…は、上記した機能のほか、携帯電話端末に対して電話通話やメール送受信などのサービスを提供する通常の機能も、当然有しているものである。

【0050】

また、上記において、被災者の携帯電話端末１４１及び安否情報提供サーバにアクセスするための携帯電話端末１５２は自動車電話端末、ＰＨＳ端末、衛星電話端末、携帯情報端末、その他携帯電話端末と同様にして通信を行うことができる端末を含んでいるものとする。

【0051】

〔2〕携帯端末情報サービスセンタの構成

図２は、携帯端末情報サービスセンタ１１０の内部構成を概略的に示す機能ブロック図である。

【0052】

図２において、携帯端末情報サービスセンタ１１０は、各携帯電話キャリア会社１２１，１２２，…から取得した携帯電話端末の通信ログを集信処理する集信処理部２３０と、その集信した通信ログを記憶する携帯端末情報記憶部２１０と、各携帯電話キャリア会社１２１，１２２，…ごとに基地局の位置情報を記憶したマッピング情報記憶部２２０と、携帯端末情報記憶部２１０及びマッピング情報記憶部２２０に記憶された情報を所定の条件で抽出する抽出処理部２４０と、を含んでいる。

【0053】

図３は、携帯端末情報サービスセンタ１１０の携帯端末情報記憶部２１０に記憶されるデータ構造を例示する概略図である。図３において、携帯端末情報記憶部２１０は、集信データ３１０及び集計データ３２０を記憶している。

【0054】

集信データ３１０は、携帯端末情報サービスセンタ１１０の集信処理部２３０により集信処理をされた携帯電話端末の通信ログを、集信ＩＤを付して記憶したものである。集信データ３１０の各レコードは、集信ＩＤ３１１、受信日時３１２、携帯電話キャリア会社３１３及び通信ログのファイル実体３１４から構成されている。

【0055】

通信ログのファイル実体３１４は、その取得元である各携帯電話キャリア会社１２１，１２２，…ごとにフォーマットが異なっていたとしても、少なくとも、以下に説明する集計データ３２０に含まれる各データ項目が含まれているものとする。図３に示す例では、ファイル実体３１４はテキストファイルとなっているが、携帯端末情報サービスセンタ１１０の集信処理部２３０が各携帯電話キャリア会社１２１，１２２，…ごとに異なるフォーマットの通信ログをテキストファイルに変換してから、携帯端末情報記憶部２１０に記憶させるようにするのが好ましい。

【0056】

尚、携帯端末情報サービスセンタ１１０は、各携帯電話キャリア会社１２１，１２２，…から通信ログを定常的に取得しているので、通常時は、集信データ３１０は随時新たな通信ログにより更新されているものとする。

【0057】

集計データ３２０は、集信データ３１０の各レコードに含まれる通信ログのファイル実体３１４から、携帯電話端末と通信基地局との通信記録を取り出して集計処理したデータである。図３に示す例では、集計データ３２０の各レコードは、各通信の記録日時３２１、通信基地局の識別情報３２２、携帯電話端末の識別情報３２３及び携帯電話端末の電話番号３２４から構成されているが、これら以外にも例えば、データ取得元の通信ログのファイル実体３１４に関する情報や、携帯電話キャリア会社により提供される携帯電話端末の位置情報、通信基地局で測定された受信電波強度などを含んでいてもよい。また、集計

データ３２０は、各レコードを任意のデータ項目でソートした状態で利用することができるものとする。

【0058】

この集計データ３２０により、例えば、図３に示す例では、2002/07/15 11:01の時刻に、通信基地局A0001において電話番号0901**122**の携帯電話端末との通信が行われたことが確認される。すなわち、当該時刻における当該携帯電話端末の位置情報が得られることとなる。

【0059】

尚、通信基地局の位置情報に関しては、基地局ＩＤを参照キーとして、後述するマッピング情報記憶部２２０の基地局位置情報４１０及び基地局エリア情報４２０から取得することができる。

【0060】

図４は、携帯端末情報サービスセンタ１１０のマッピング情報記憶部２２０に記憶されるデータ構造を例示する概略図である。図４において、マッピング情報記憶部２２０は、基地局位置情報４１０及び基地局エリア情報４２０を記憶している。

【0061】

基地局位置情報４１０は、各携帯電話キャリア会社１２１，１２２，…の各通信基地局の位置に関する情報として、基地局ＩＤ４１１、その所在地４１２及び郵便番号４１３を含んでいる。また、これら以外にも通信基地局の位置を示す情報、例えば、経度緯度情報などを含んでいてもよい。

【0062】

基地局エリア情報４２０は、各携帯電話キャリア会社１２１，１２２，…の各通信基地局に設定されたエリア情報として、基地局ＩＤ４２１、大エリア情報４２２、中エリア情報４２３、小エリア情報４２４を含んでいる。このエリア情報は、各通信基地局がカバーする通信可能エリアを示すものであり、各携帯電話キャリア会社１２１，１２２，…から携帯端末情報サービスセンタ１１０に通知されるものである。

【0063】

したがって、マッピング情報記憶部２２０では、特定の通信基地局の基地局ＩＤを特定することにより、その所在地やカバーしている通信可能エリアを取得することができることとなる。

【0064】

再び図２において、抽出処理部２４０は、上記した携帯端末情報記憶部２１０及びマッピング情報記憶部２２０に記憶された情報から、携帯電話端末の位置情報を所定の条件で抽出することができる。

【0065】

抽出処理部２４０が行う抽出処理には、携帯電話端末の電話番号や端末ＩＤを特定してその位置情報を抽出する端末抽出処理２４１、特定の範囲内に存在する携帯電話端末の電話番号や端末ＩＤを抽出するエリア抽出処理２４２、並びに特定の時刻範囲においていずれかの通信基地局と通信を行った携帯電話端末の電話番号や端末ＩＤを抽出する時刻範囲抽出処理２４３などが含まれる。また、これらを組み合わせた処理を行うこともできるものとする。

【0066】

あるいは、上記各抽出処理２４１～２４３を組み合わせた抽出処理のほか、携帯端末情報記憶部２１０及びマッピング情報記憶部２２０のデータ構造により可能となる抽出処理であれば、どのような抽出処理を行ってもよい。

【0067】

尚、通常は、抽出処理部２４０は、安否情報提供サーバ１０１からの要求に応じて抽出処理を行い、その結果を安否情報提供サーバ１０１に送信するようになっているが、このような動作に限定されるわけではない。

【0068】

以上説明したように、本実施形態の安否情報提供システムにおいて、携帯端末情報サービスセンタ１１０は、各携帯電話キャリア会社１２１，１２２，…から取得した携帯電話端末の通信ログを参照し、携帯電話端末が通信を行った通信基地局の位置情報により当該携帯電話端末の位置情報を提供するものであるが、携帯電話端末のさらに詳細な位置情報を提供する手段を備えていてもよい。

【0069】

例えば、携帯端末情報サービスセンタ１１０は、通信基地局が携帯電話端末と通信を行った際に測定した受信電波強度を通信ログとともに取得し、この受信電波強度と通信基地局のアンテナ位置とから当該携帯電話端末の位置を三角法で算出するような手段を備えていてもよい。

【0070】

〔3〕安否情報提供サーバの構成

図５は、安否情報提供サーバ１０１の内部構成を概略的に示す機能ブロック図である。尚、他の安否情報提供サーバ１０２，…についても、これと同様に構成されているものとする。

【0071】

図５において、安否情報提供サーバ１０１は、携帯端末情報サービスセンタから被災者の位置情報を取得する被災者位置情報取得部５１０と、本サーバの動作を管理する管理機能部５２０と、通信回線網を通じて、ＰＣ端末１５１及び携帯電話端末１５２に対して安否情報の提供等を行う安否情報提供部５３０と、本システムの利用者の登録情報を記憶する利用登録情報記憶部５４０と、被災者の安否情報を記憶する安否情報記憶部５５０と、被災の状況等を記憶する被災情報記憶部５６０と、を含んでいる。

【0072】

図６は、安否情報提供サーバ１０１の利用登録情報記憶部５４０に記憶されるデータ構造を例示する概略図である。図６において、利用登録情報記憶部５４０は、利用登録情報６１０、安否情報照会に関する情報６２０及び安否情報通知先に関する情報６３０を記憶している。

【0073】

利用登録情報６１０は、本システムに登録する利用者の情報であり、具体的には、各利用者について、利用者ＩＤ６１１、パスワード６１２、氏名６１３、性別６１４、生年月日６１５、メールアドレス６１６、公開制限６１７、携帯電話番号６１８、携帯電話端末ＩＤ６１９などを含んでいる。

【0074】

この他にも、利用者個人を識別するのに有用な情報を含んでいてもよい。ここで登録した利用者は、災害発生時などに本システムにおいて被災者の安否情報の照会を行う者であるとともに、自身が被災した場合には安否情報の提供の対象となる者である。

【0075】

上記の利用登録情報６１０に含まれる公開制限６１７は、その利用者を対象とする安否情報の照会を他の利用者に許可するかどうかについての設定情報である。図６に示す例では、利用者ＩＤがid0000001の○田太郎は公開制限６１７が“公開”であるので、本システムに登録している利用者であれば誰でもその安否情報を照会することができることとなっている。一方、利用者ＩＤがid0000002の鈴木花子は公開制限６１７が“登録照会者のみ”であるので、鈴木△子自身が予め登録してある者のみが、その安否情報を照会することができるようになっている。その他、本システムでは、利用者の安否情報の公開制限に関して、適当な設定を行えるようにすることができる。

【0076】

安否情報照会に関する情報６２０は、上記した公開制限６１７において安否情報の照会を行える者を制限する設定を行っている場合において、その設定情報を含むものである。具体的には、安否情報の公開制限を設定する者の利用者ＩＤ６２１、パスワード６２２及び安否情報の照会を許可する者の利用者ＩＤ６２３を含んでいる。

【0077】
上記の安否情報照会に関する情報６２０において、id0000002の利用者は、id9000003の利用者に対して、パスワードの入力を条件として、自身の安否情報の照会を許可していることになる。また、id0000002の利用者は、パスワードを設定していないため、id9000005,…の利用者に対して無条件で自身の安否情報の照会を許可していることになる。
【0078】
安否情報通知先に関する情報６３０は、被災者の安否情報の通知先に関する情報であり、具体的には、利用者ＩＤ６３１及び通知先メールアドレス６３２を含んでいる。その他にも、安否情報通知のタイミングや通知内容などの情報を含んでいてもよい。また、通知先はメールアドレスに限定されるわけではなく、あらゆる通信手段を想定した設定を行うことができるものとする。
【0079】
上記の利用登録情報６１０、安否情報照会に関する情報６２０及び安否情報通知先に関する情報６３０は、一般的には、利用者自身が登録するものであるが、例えば、安否情報提供サーバ１０１の管理者等が管理用端末１０１ａにより代理入力してもよい。また、複数ユーザ、例えば家族などを同一グループとしてまとめるグループ登録などの機能を付加すれば、さらに有用なものとなる。
【0080】
図７は、安否情報提供サーバ１０１の安否情報記憶部５５０に記憶されるデータ構造を例示する概略図である。図７において、安否情報記憶部５５０は、利用者位置情報７１０及び自身安否情報７２０を記憶している。
【0081】
利用者位置情報７１０は、各利用者の有する携帯電話端末の位置情報として得られるものであり、利用者ＩＤ７１１、記録日時７１２、エリア７１３及び被災状況７１４を含んでいる。エリア７１３は、被災者位置情報取得部５１０が携帯端末情報サービスセンタから取得した利用者の位置情報を記憶するものであり、記録日時７１２は利用者の携帯電話端末と通信基地局との通信が記録された日時、あるいは被災者位置情報取得部５１０がその位置情報を取得した日時である。被災状況７１４は、エリア７１３に示される地区の被災状況であり、各地区の被災状況は、後述する被災情報記憶部５６０のデータに基づいて判定される。
【0082】
図７に示す例では、例えば、id0000001の利用者は災害発生後、2002/07/15 11:05～12:05頃までは被災レベル高の地区に居たが、その後、13:02頃には被災レベル小の地区に移動したことがわかる。また、id0000002の利用者は、2002/07/15 13:02の時点では被災地域に居なかったことが確認できる。
【0083】
自身安否情報７２０は、利用者自身が送信した自己の安否情報を記憶するものであり、利用者ＩＤ７２１、記録日時７２２、ステータス７２３及び備考７２４を含んでいる。この他にも、利用者の安否情報を示すデータを含めるようにしてもよい。災害発生時などに利用者は、自身の安否情報を携帯電話端末のメール機能などによって安否情報提供サーバ１０１に送信することができる。ステータス７２３及び備考７２４は、利用者自身から提供された信頼性の高い情報である。
【0084】
また、自身安否情報７２０は、利用者本人以外の者が代理で入力をすることができるようにしてもよい。この場合には、その情報の入力者が本人であるのか代理人であるのかをも記録しておくのが好ましい。
【0085】
図８は、安否情報提供サーバ１０１の被災情報記憶部５６０に記憶されるデータ構造を例示する概略図である。図８において、被災情報記憶部５６０は、被災情報８１０を記憶している。

【0086】
被災情報８１０は、発生した災害の種類、規模、地区ごとの被災状況などを逐次記録した情報であり、災害の発生日時８１１、被災エリア８１２、被災種別８１３及び被災レベル８１４を含んでいる。
【0087】
被災情報８１０は、災害発生直後から必要な期間中、安否情報提供サーバ１０１の管理者等が管理用端末１０１ａにより入力するものである。あるいは、関係機関（消防庁、地方自治体、政府等、あるいは民間機関）から自動的に被災情報を受信して入力するようにしてもよい。
【0088】
再び図５において、安否情報提供サーバ１０１の被災者位置情報取得部５１０は、災害が発生した場合には、携帯端末情報サービスセンタ１１０に対して、所定の時間間隔で、被災者の位置情報を要求する。
【0089】
被災者位置情報の要求は、利用登録情報記憶部５４０に記憶されている利用者の携帯電話番号又は携帯電話端末ＩＤに基づいて行うものとし、また、携帯端末情報サービスセンタ１１０の抽出処理部２４０が備える処理機能に応じて、特定の利用者（携帯電話端末）の位置情報を抽出する端末抽出処理２４１、特定の範囲内に存在する利用者（携帯電話端末）を抽出するエリア抽出処理２４２、あるいは特定の時刻範囲において被災地域の通信基地局と通信を行った利用者（携帯電話端末）を抽出する時刻範囲抽出処理２４３などを要求することができる。あるいは、これらを組み合わせた抽出処理を要求することもできる。
【0090】
管理機能部５２０は、災害発生時に、管理者等が管理用端末１０１ａからの指示により、あるいは自動的に、被災情報記憶部５６０に記憶されている地域ごとの被災状況を随時更新する。管理機能部５２０は、また、安否情報提供サーバ１０１における他の機能を必要に応じて管理する。
【0091】
安否情報提供部５３０は、通信回線網を通じて、本システムの利用者が所有するＰＣ端末１５１及び携帯電話端末１４１，１５２に対して、利用登録処理５３１、安否情報配信処理５３２、安否情報照会処理５３３、安否情報受信処理５３４などのサービスを提供する。
【0092】
利用登録処理５３１は、利用者の新規登録や登録情報の追加・変更・削除を受け付け、その情報を利用登録情報記憶部５４０に反映させるものである。
【0093】
安否情報配信処理５３２は、災害発生時に、安否情報記憶部５５０及び被災情報記憶部５６０から得られる利用者の安否情報を、利用登録情報記憶部５４０に予め設定してある安否情報通知先にメールなどにより配信するものである。安否情報の配信は、例えば、災害発生直後から１時間に１度など、継続的に行うものとする。この配信頻度は、利用者が予め利用登録情報記憶部５４０に設定しておくこととしてもよい。
【0094】
安否情報照会処理５３３は、本システムにアクセスしてきた利用者に対して、特定の利用者の安否情報照会を許可するものである。利用者の安否情報照会は、例えば、利用者ＩＤ、氏名、性別、生年月日、メールアドレス、携帯電話番号などを組み合わせて利用者を特定することにより、当該利用者の安否情報を安否情報記憶部５５０及び被災情報記憶部５６０から取得するものである。
【0095】
安否情報受信処理５３４は、災害発生時に、被災した利用者からの自身の安否情報の提供を受信し、安否情報記憶部５５０に記憶するものである。被災した利用者は、携帯電話

端末１４１により回線網を通じて本システムにアクセスし自身の安否情報を入力するか、あるいは本システムに対して自身の安否情報をメール送信することができる。

【0096】

また、安否情報提供部５３０は、必要に応じて、利用者のアクセス認証などの基本的機能を備えているものとする。

【0097】

図９及び図１０は、安否情報提供サーバ１０１が携帯端末情報サービスセンタ１１０に対して被災者の位置情報を要求する際に送受信される照会データ及び応答データの内容を、Ａパタン及びＢパタンとして示す図である。

【0098】

図９において、Ａパタンの照会データ９１０は、携帯端末情報サービスセンタ１１０に対する検索条件として、記録日時範囲及び携帯電話番号を指定しており、必要な情報として、携帯電話番号、記録日時及び小エリアを指定している。これに対するＡパタンの応答データ９２０は、携帯電話番号、記録日時及び小エリアの組み合わせを１レコードとして、上記検索条件に該当するレコード全てを含んでいる。

【0099】

この例では、記録日時が2002/07/15 12:00～2002/07/15 13:00の範囲において、携帯電話番号が0901**122**及び0902**244**である携帯電話端末が存在した小エリアの情報が照会されており、この照会に対して、携帯電話番号0901**122**の携帯電話端末は、2002/07/15 12:05にZ111地区に存在していたこと、並びに携帯電話番号0902**244**の携帯電話端末は、2002/07/15 12:01にQ10地区に、2002/07/15 12:23にQ11地区に存在していたことが分かる。

【0100】

すなわち、Ａパタンの照会では、特定の時間帯に特定の利用者（携帯電話端末）が存在した位置の情報を得ることができる。

【0101】

図１０において、Ｂパタンの照会データ１０１０は、携帯端末情報サービスセンタ１１０に対する検索条件として、記録日時範囲及び小エリアを指定しており、必要な情報として、携帯電話番号及び記録日時を指定している。これに対するＢパタンの応答データ１０２０は、携帯電話番号及び記録日時の組み合わせを１レコードとして、上記検索条件に該当するレコード全てを含んでいる。

【0102】

この例では、記録日時が2002/07/15 12:00～2002/07/15 13:00の範囲において、Z111地区に存在していた携帯電話端末の情報が照会されており、この照会に対して、携帯電話番号0901**122**の携帯電話端末は2002/07/15 12:05に、携帯電話番号0902**233**の携帯電話端末は2002/07/15 12:15と2002/07/15 12:35に、Z111地区に存在していたことが分かる。

【0103】

すなわち、Ｂパタンの照会では、特定の時間帯に特定の地区に存在した利用者（携帯電話端末）の情報を得ることができる。

【0104】

尚、安否情報提供サーバ１０１から携帯端末情報サービスセンタ１１０への照会は上記の２例に限られず、携帯端末情報サービスセンタ１１０が記憶する情報に応じて様々なパタンで行うことができる。また、照会及び応答に用いられる引数や返値の記述方法は、例えば、ＳＱＬなどによることができる。

【0105】

〔4〕安否情報提供システムの動作

次に、図１１及び図１２を参照しながら、上記した本実施形態の安否情報提供システムの動作について説明する。

【0106】

図１１は、本実施形態の安否情報提供システムの平常時における動作を示すシーケンス図である。

【0107】

図１１において、通信基地局１３１，１３２…は、定期的に自エリア内の携帯電話端末と通信を行っており、その携帯電話端末の情報を携帯電話キャリア会社１２１，１２２…に送信する。携帯電話キャリア会社１２１，１２２…は、各通信基地局１３１，１３２…から取得した携帯電話端末情報を通信ログとして一定期間保存する。

【0108】

携帯端末情報サービスセンタ１１０は、携帯電話キャリア会社１２１，１２２…に定期的にアクセスし、携帯電話端末の通信ログを取得する。その後、集信処理部２３０において集信処理を行い、取得した通信ログから必要な情報を抽出し、携帯端末情報記憶部２１０に記憶する。携帯端末情報サービスセンタ１１０は、また、携帯電話キャリア会社１２１，１２２から、通信基地局の位置や通信エリアに関する情報を取得し、マッピング情報記憶部２２０に記憶しているものとする。

【0109】

一方、安否情報提供サーバ１０１は、利用者からの利用登録や各種設定の操作を受け付けている。安否情報提供部５３０は、利用登録処理等を行い、利用登録情報記憶部５４０に記憶させる。

【0110】

図１２は、本実施形態の安否情報提供システムの災害発生時における動作を示すシーケンス図である。

【0111】

災害が発生すると、安否情報提供サーバ１０１には災害発生の登録が行われる。このとき、災害の内容が被災情報記憶部５６０に記憶されるとともに、携帯端末情報サービスセンタ１１０に通知される。この通知を受けた携帯端末情報サービスセンタ１１０では、携帯電話キャリア会社１２１，１２２…から定期的に取得する通信ログの記憶容量を一時的に増大させるのが好ましい。例えば、災害発生後の混乱状況が収束するまでの３日間は全ての通信ログを保持しておくようにすればよい。

【0112】

安否情報提供サーバ１０１は、災害発生後、被災者位置情報取得部５１０により、登録されている利用者の位置情報を携帯端末情報サービスセンタ１１０に一括して要求することができる。この要求を受けた携帯端末情報サービスセンタ１１０は、抽出処理部２４０により、携帯端末情報記憶部２１０などから所定の携帯電話端末の位置情報を抽出し、安否情報提供サーバ１０１に送信する。安否情報提供サーバ１０１は、この情報を安否情報記憶部５５０に記憶する。

【0113】

安否情報提供サーバ１０１は、また、上記した登録されている利用者の位置情報の一括取得処理が完了すると、予め登録してある携帯電話端末に対して、安否情報配信処理部５３２により安否情報の配信を行うことができる。この安否情報の自動配信は、災害発生後、定期的に繰り返して行うようにするのが好ましく、また、災害状況の変化があった場合にも配信を行うのが好ましい。

【0114】

一方、本システムの利用者は、災害発生後、安否情報提供サーバ１０１にアクセスして、他の利用者の安否情報の照会を行うことができる。安否情報の照会を要求されると、安否情報提供サーバ１０１の安否情報照会処理部５３３は、安否情報記憶部５５０から照会対象である利用者の安否情報を取得し、安否照会者に提供することができる。あるいは、安否情報照会処理部５３３は、被災者位置情報取得部５１０により、携帯端末情報サービスセンタ１１０に対して、照会対象である利用者の位置情報を要求し、得られた位置情報を安否情報として、安否照会者に提供することもできる。

【0115】

他方で、被災した利用者は、携帯電話端末等を利用して、自身の安否情報を安否情報提供サーバ１０１に送信することができる。安否情報提供サーバ１０１の安否情報受信処理部５３４は、この自身安否情報を受信し、安否情報記憶部５５０に記憶させる。

【0116】

以上、本発明の安否情報提供システムについて、具体的な実施の形態を示して説明したが、本発明はこれらに限定されるものではない。当業者であれば、本発明の要旨を逸脱しない範囲内において、上記各実施形態又は他の実施形態にかかる発明の構成及び機能に様々な変更・改良を加えることが可能である。

【0117】

特に、携帯電話端末の位置情報の取得方法については、携帯電話キャリア会社ごとに、様々な方法を採用することができる。上記した通信基地局の通信エリアから携帯電話端末の位置情報を割り出す方法の他に、例えばＧＰＳ機能を備えた携帯電話端末では、端末の緯度・経度情報をそのまま位置情報として利用することも可能である。

【産業上の利用可能性】

【0118】

本発明の安否情報提供システムは、大規模災害の発生時において、予め登録してある被災者の安否に関する情報等を提供するシステムであり、特に、災害発生直後の通信回線や情報が混乱しやすい状況において、被災者の安否情報等を正確かつ迅速に提供することができる安否情報提供システムとして利用可能である。

【図面の簡単な説明】

【0119】

【図1】本発明の一実施形態にかかる安否情報提供システムについて、その全体構成を示す概略図である。

【図2】図１に示す携帯端末情報サービスセンタ１１０の内部構成を概略的に示す機能ブロック図である。

【図3】図２に示す携帯端末情報サービスセンタ１１０の携帯端末情報記憶部２１０に記憶されるデータ構造を例示する概略図である。

【図4】図２に示す携帯端末情報サービスセンタ１１０のマッピング情報記憶部２２０に記憶されるデータ構造を例示する概略図である。

【図5】図１に示す安否情報提供サーバ１０１の内部構成を概略的に示す機能ブロック図である。他の安否情報提供サーバ１０２，…についても、これと同様の構成である。

【図6】図５に示す安否情報提供サーバ１０１の利用登録情報記憶部５４０に記憶されるデータ構造を例示する概略図である。

【図7】図５に示す安否情報提供サーバ１０１の安否情報記憶部５５０に記憶されるデータ構造を例示する概略図である。

【図8】図５に示す安否情報提供サーバ１０１の被災情報記憶部５６０に記憶されるデータ構造を例示する概略図である。

【図9】安否情報提供サーバ１０１が携帯端末情報サービスセンタ１１０に対して被災者の位置情報を要求する際に送受信される照会データ及び応答データの内容を示す図である。

【図10】安否情報提供サーバ１０１が携帯端末情報サービスセンタ１１０に対して被災者の位置情報を要求する際に送受信される照会データ及び応答データの内容を示す図である。

【図11】本発明の安否情報提供システムの平常時における動作を示すシーケンス図である。

【図12】本発明の安否情報提供システムの災害発生時における動作を示すシーケンス図である。

【符号の説明】

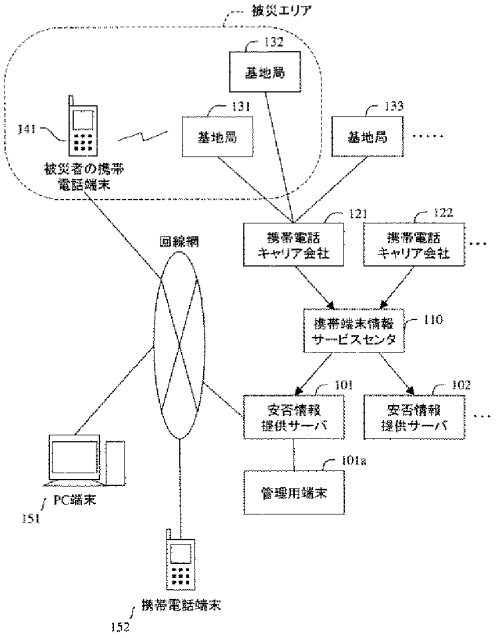
【0120】

１０１，１０２，…　安否情報提供サーバ

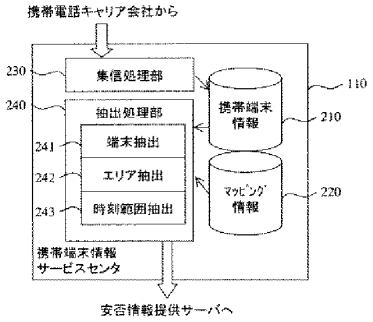
１０１ａ　管理用端末
１１０　携帯端末情報サービスセンタ
１２１，１２２，…　携帯電話キャリア会社
１３１，１３２，１３３，…　通信基地局
１４１　携帯電話端末
１５１　ＰＣ端末
１５２　携帯電話端末
２１０　携帯端末情報記憶部
２２０　マッピング情報記憶部
２３０　集信処理部
２４０　抽出処理部
２４１　端末抽出処理
２４２　エリア抽出処理
２４３　時刻範囲抽出処理
３１０　集信データ
３１１　集信ＩＤ
３１２　受信日時
３１３　携帯電話キャリア会社
３１４　ファイル実体
３２０　集計データ
３２１　記録日時
３２２　基地局ＩＤ
３２３　携帯電話端末ＩＤ
３２４　電話番号
４１０　基地局位置情報
４１１　基地局ＩＤ
４１２　所在地
４１３　郵便番号
４２０　基地局エリア情報
４２２　大エリア情報
４２３　中エリア情報
４２４　小エリア情報
５１０　被災者位置情報取得部
５２０　管理機能部
５３０　安否情報提供部
５３１　利用登録処理
５３２　安否情報配信処理
５３３　安否情報照会処理
５３４　安否情報受信処理
５４０　利用登録情報記憶部
５５０　安否情報記憶部
５６０　被災情報記憶部
６１０　利用登録情報
６１１　利用者ＩＤ
６１２　パスワード
６１３　氏名
６１４　性別
６１５　生年月日
６１６　メールアドレス
６１７　公開制限

６１８　携帯電話番号
６１９　携帯電話端末ＩＤ
６２０　安否情報照会情報
６２１　利用者ＩＤ
６２２　パスワード
６２３　照会を許可される利用者ＩＤ
６３０　安否情報通知先情報
６３１　利用者ＩＤ
６３２　通知先メールアドレス
７１０　利用者位置情報
７１１　利用者ＩＤ
７１２　記録日時
７１３　エリア
７１４　被災状況
７２０　自身安否情報
７２１　利用者ＩＤ
７２２　記録日時
７２３　ステータス
７２４　備考
８１０　被災情報
８１１　発生日時
８１２　被災エリア
８１３　被災種別
８１４　被災レベル
９１０　Ａパタン照会データ
９２０　Ａパタン応答データ
１０１０　Ｂパタン照会データ
１０２０　Ｂパタン応答データ

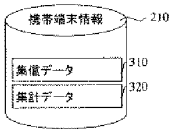
【図1】



【図2】



【図3】



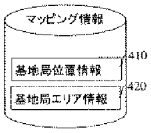
集信データ

311 集信ID	312 受信日時	313 携帯電話キャリア会社	314 ファイル実体
00001	2002/07/15 13:01	携帯電話A社	aaaaaaa.txt
00002	2002/07/15 13:05	携帯電話B社	bbbbbb.txt
00003	2002/07/15 13:02	携帯電話C社	cccccc.txt
⋮	⋮	⋮	⋮

集計データ

321 記録日時	322 基地局ID	323 携帯電話端末ID	324 電話番号
2002/07/15 13:01	基地局A0001	**********	0901**122**
2002/07/15 12:05	基地局A0002	**********	0901**122**
2002/07/15 13:01	基地局A0003	**********	0901**122**
2002/07/15 12:01	基地局B0002	aaaaaaaaaaaaaaa	0902**222**
2002/07/15 13:01	基地局B0002	aaaaaaaaaaaaaaa	0902**222**
2002/07/15 12:05	基地局B0001	bbbbbbbbbbbbbbb	0903**322**
2002/07/15 13:01	基地局C0001	ccccccccccccccc	0904**422**
⋮	⋮	⋮	⋮

【図4】



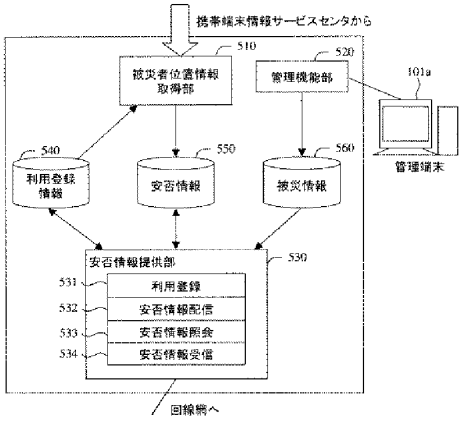
基地局位置情報

411 基地局ID	412 所在地	413 郵便番号
A0001	あ県あ市あ町	111-1111
A0002	あ県あ市い町	111-1112
⋮	⋮	⋮

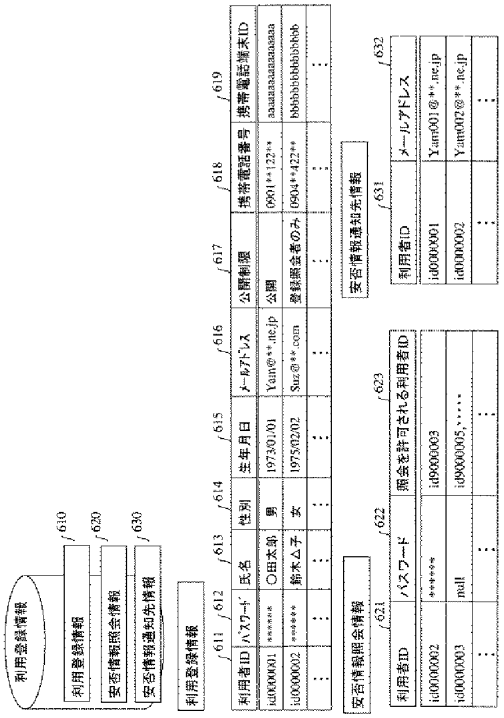
基地局エリア情報

421 基地局ID	422 大エリア	423 中エリア	424 小エリア
A0001	Z地区	Z1地区	Z11地区
A0002	Z地区	Z1地区	Z11地区
⋮	⋮	⋮	⋮

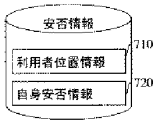
【図5】



【図6】



【図7】



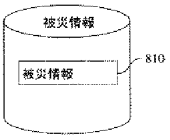
利用者位置情報

711 利用者ID	712 記録日時	713 エリア	714 地域判定
id0000001	2002/07/15 11:05	Z112地区	地震　被災レベル高
id0000001	2002/07/15 12:05	Z111地区	地震　被災レベル高
id0000001	2002/07/15 13:02	Z133地区	地震　被災レベル小
id0000002	2002/07/15 13:02	Q10地区	被災地域外
⋮	⋮	⋮	⋮

自身安否情報

721 利用者ID	722 登録日時	723 ステータス	724 備考
id0000001	2002/08/17 11:50	軽傷	○○体育館へ避難
id0000001	2002/08/17 19:10	軽傷	右足軽傷手当て済
⋮	⋮	⋮	⋮

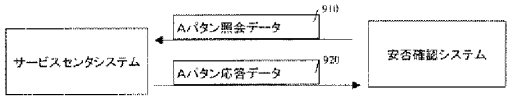
【図8】



被災情報

811 発生日時	812 被災エリア	813 被災種別	814 被害レベル
2002/07/15 12:30	Z111地区	地震	高
2002/07/15 12:30	Z112地区	地震	高
2002/07/15 12:30	Z133地区	地震	小
⋮	⋮	⋮	⋮

【図9】



Aパタン照会データ

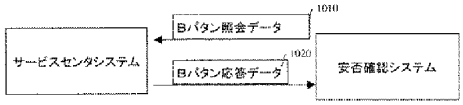
検索条件	記録日時範囲	2002/07/15 12:00	2002/07/15 13:00
	携帯電話番号	0901**122**	0902**244**

必要な情報	携帯電話番号	記録日時	小エリア

Aパタン応答データ

携帯電話番号	記録日時	小エリア
0901**122**	2002/07/15 12:05	Z111地区
0902**244**	2002/07/15 12:01	Q10地区
0902**244**	2002/07/15 12:23	Q11地区

【図10】



Bパタン照会データ

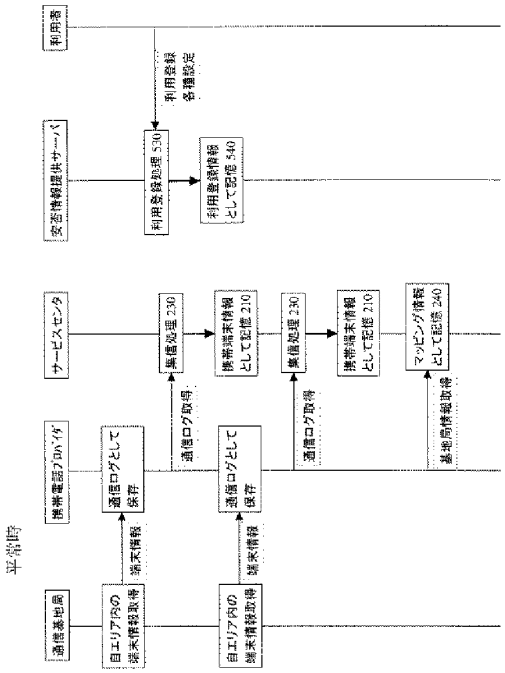
検索条件	記録日時範囲	2002/07/15 12:00	2002/07/15 13:00
	小エリア	Z111地区	

必要な情報	携帯電話番号	記録日時

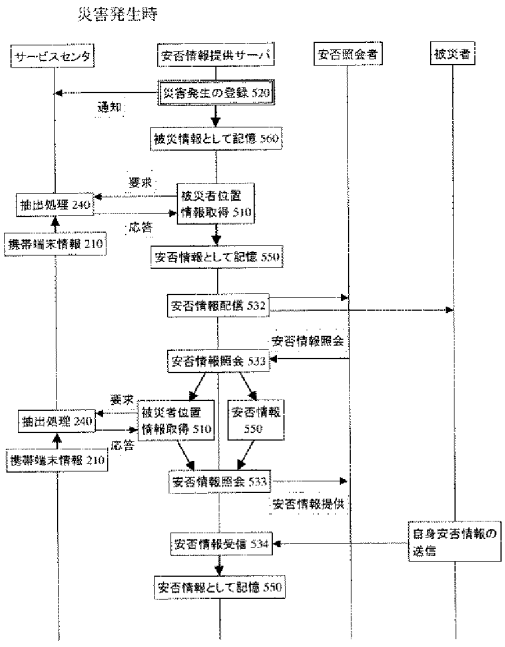
Bパタン応答データ

携帯電話番号	記録日時
0901**122**	2002/07/15 12:05
0902**233**	2002/07/15 12:15
0902**233**	2002/07/15 12:35
・・・・・	・・・・・

【図11】



【図12】



(51)Int.Cl.[7]	FI	テーマコード（参考）
Ｈ０４Ｍ　3/42	Ｈ０４Ｍ　3/42　　Ｕ	
Ｈ０４Ｍ　11/00	Ｈ０４Ｍ　11/00　　３０１	

Ｆターム(参考)
5C086 AA13 CA25 CB27 DA14 DA40 EA11
5C087 AA02 AA03 AA04 AA08 AA19 BB12 BB46 BB65 BB75 DD02
DD03 DD49 EE05 EE06 EE08 FF01 FF02 GG19 GG21 GG35
GG66
5K015 AB01 AE05
5K024 AA71 CC11 GG01 GG05 GG10 GG13
5K101 KK12 LL11 MM07 NN18 NN21 PP03

PTO/SB/08a (01-22)
Approved for use through 05/31/2024. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

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

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

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

FOREIGN PATENT DOCUMENTS Remove

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

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

NON-PATENT LITERATURE DOCUMENTS Remove

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	1	Meta Complaint FINAL 6 21 22	☐
	2	Meta Marketing API	☐
	3	Network Analysis - Some Basic Principles	☐
	4	Official Events API - Facebook Pages API	☐
	5	Official Google Blog - Why we're buying DoubleClick	☐
	6	ONLINE FORUMS SUPPORTING GRASSROOTS PARTICIPATION in Emergency Preparedness and Response	☐
	7	Overview - Graph API	☐
	8	Overview - Meta Marketing API	☐
	9	PETITION FOR INTER PARTES REVIEW OF CLAIMS 1–11, 22, AND 23 OF U.S. PATENT NO. 8,249,932 & Exhibits	☐
	10	PETITION FOR INTER PARTES REVIEW OF CLAIMS 12–21 OF U.S. PATENT NO. 8,249,932 & Exhibits	☐
	11	PETITION FOR INTER PARTES REVIEW OF U.S. PATENT NO. 11,470,682 & Exhibits	☐

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	12	PETITION FOR INTER PARTES REVIEW OF U.S. PATENT NO. 8,332,454 & Exhibits	☐
	13	PETITION FOR INTER PARTES REVIEW OF U.S. PATENT NO. 9,877,345 & Exhibits	☐
	14	PGP Lets You Take Charge of Your Cookies	☐
	15	PGP Lets You Take Charge of Your Cookies_WIRED	☐
	16	Pop-up ads OK for Tripod - CNET	☐
	17	Post Engagement in Facebook Ads	☐
	18	Safety Check - Streamlining deployment around the world	☐
	19	Seven Million People Used Facebook's Check-In Feature After Nepal Earthquake	☐
	20	SitNet v Meta Complaint and Exhibits	☐
	21	Social network - Wikipedia, the free encyclopedia	☐
	22	Social Network Sites - Definition, History, and Scholarship	☐

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	23	Stale Cookies - ClickZ	☐
	24	TAO - Facebook's Distributed Data Store for the Social Graph	☐
	25	TAO - The power of the graph - Engineering at Meta	☐
	26	The Building Collapse in Fereej Bin Durham, Doha, Qatar	☐
	27	The Evolution of Google AdWords – A $38 Billion Advertising Platform	☐
	28	The First-Ever Banner Ad on the Web	☐
	29	The Google Online Marketing Challenge	☐
	30	The Google Online Marketing Challenge - Classroom Learning with Real Clients, Real Money, and Real Advertising Campaigns_JIAD	☐
	31	The History of Online Advertising	☐
	32	The History of Online Advertising - Adpushup	☐
	33	The Tao of Facebook - 'Social Graph' Takes New Path	☐

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	34	The Wayback Machine	☐
	35	Unintrusive customization techniques for web advertising	☐
	36	Updated science-wide author databases of standardized citation indicators	☐
	37	View insights about reactions to your ad	☐
	38	WAP (Wireless Application Protocol) - Tech-FAQ	☐
	39	What are Call-to-Action Buttons in Meta Ads Manager	☐
	40	What are GPS coordinates and how do they work?	☐
	41	What are some things I can do to stay safe on Facebook when requesting and offering help in Crisis Response_Facebook Help Center	☐
	42	What is a Facebook Pixel_Meta's tracking tool, explained	☐
	43	What is a Web Browser - Definition from Techopedia	☐
	44	What is an ad server	☐

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	45	Why we're buying DoubleClick	☐

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

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

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

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☐ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Maxim Rapoport/	Date (YYYY-MM-DD)	2024-05-30
Name/Print	Maxim Rapoport	Registration Number	67,675

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

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

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

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

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

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

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

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

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

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

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

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

Docket No.: 000137-0005-126
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Thomas Cona et al.

Application No.: 18/639,859 | Confirmation No.: 6493

Filed: April 18, 2024 | Art Unit: 2446

For: METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK | Examiner: Not Yet Assigned

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

INFORMATION DISCLOSURE STATEMENT (IDS)

Dear Madam:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, applicant(s) direct(s) the attention to the documents listed on the attached PTO/SB/08a. Applicant respectfully request(s) that the information be expressly considered during the prosecution of the above-identified application and that the document(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

In accordance with 37 C.F.R. § 1.98(a)(2)(ii), copies of U.S. patents and U.S. patent application publications are not being submitted.

Applicant directs the Examiner's attention to the application listed in the table below which may relate to subject matter for which a patent is being sought in the present application and may contain claims that may be relevant to the present application. Applicant invites the Examiner to review any Office Actions from this application, as well as any communications from Applicant responding thereto, including art cited in Office Actions and communications from Applicant, such as Information Disclosure Statements. Because the Office is in possession of these patent documents, applicant has not provided copies of them. Applicant stands ready, however, to provide

any such documents at the Examiner's request. By bringing this application to the Examiner's attention, Applicant does not waive the confidentiality provisions of 35 U.S.C. § 122.

Docket No.	Application No.	Filing Date	First Named Inventor	Examiner's Initials
000137-0005-125	17/902,427	September 2, 2022	Thomas Cona	
000137-0005-127	18/639,871	April 18, 2024	Thomas Cona	

Litigation Docket No.	Document Title	Filing Date	Examiner's Initials
SDNY-1-23-cv-06389	Meta Platforms, Inc. v. SitNet LLC, SitNet v Meta	July 24, 2023	

IPR No.	Document Title	Filing Date	Examiner's Initials
IPR2024-00612	Meta Platforms, Inc. v. SitNet LLC	March 4, 2024	
IPR2024-00531	Meta Platforms, Inc. v. SitNet LLC	February 27, 2024	
IPR2024-00530	Meta Platforms, Inc. v. SitNet LLC	February 27, 2024	
IPR2024-00529	Meta Platforms, Inc. v. SitNet LLC	February 27, 2024	
IPR2024-00528	Meta Platforms, Inc. v. SitNet LLC	March 4, 2024	

Applicant submits that this Information Disclosure Statement is in compliance with 37 C.F.R. § 1.98 and respectfully requests that the Examiner consider the listed document.

Dated: May 30, 2024

Respectfully submitted,

By: /Maxim A. Rapoport/
Maxim A. Rapoport
Registration No. 67,675
HALEY GUILIANO LLP
Customer No. 75563
Attorney for Applicant
75 Broad Street, Suite 1000
New York, CA 10004
Tel.: (646) 973-2500

PTO/SB/08a (01-22)
Approved for use through 05/31/2024. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

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

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

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

FOREIGN PATENT DOCUMENTS Remove

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

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

NON-PATENT LITERATURE DOCUMENTS Remove

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	1	Doc 57-4 - Exhibit 3 Merriam-Webster's Collegiate Dictionary	☐
	2	Doc 57-5 - Exhibit 4 Dictionary of Computing_Collin	☐
	3	Doc 57-8 - Exhibit 7 Computer Jargon_Martin	☐
	4	Doc 57-9 - Exhibit 8 Newton's Telecom Dictionary	☐
	5	Doc 58 - AMENDED JOINT CLAIM CONSTRUCTION CHART	☐
	6	Edit information on your Facebook profile and choose who can see it	☐
	7	Engagement Custom Audiences - Meta Marketing API	☐
	8	Estimating the Capacity of the Location–Based Advertising Channel	☐
	9	Event and Local Ads - Meta Marketing API	☐
	10	Facebook Activates Safety Check After 8 Killed in New York City Rampage	☐
	11	Facebook activates Safety Check for NYC explosion	☐

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	12	Facebook Expands 'Safety Check' To Facilitate Aid In Emergencies	☐
	13	Facebook OCP 2S Server Tioga Pass Refresh	☐
	14	Facebook Pixel Events	☐
	15	Facebook releases Safety Check crisis response tool for Workplace	☐
	16	Facebook turns Safety Check over to its users	☐
	17	Facebook Unveils Facebook Ads	☐
	18	From the original banner to Tosh.0 - The hits and misses of publisher ad plays	☐
	19	From the original banner to Tosh_0 - The hits and misses of publisher ad plays	☐
	20	Get Started_Facebook Ads	☐
	21	Google Acquires Applied Semantics	☐
	22	Google Buys DoubleClick for $3.1 Billion	☐

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	23	Google Buys DoubleClick for $3.1 Billion - The New York Times	☐
	24	Google Timeline - The New York Times	☐
	25	Handbook for the Palm V™ Organizer	☐
	26	How 20 years of Google's AdSense changed the internet	☐
	27	How do I mark myself safe on Facebook or ask if someone else is safe during a disaster	☐
	28	How does Facebook know I'm in an area affected by a crisis_Facebook Help Center	☐
	29	How Facebook ads use machine learning	☐
	30	How Facebook's Location Settings work	☐
	31	How is Safety Check activated on Facebook_ Facebook Help Center	☐
	32	How Mark Zuckerberg Turned Facebook Into the Web's Hottest Platform	☐
	33	How much does Workplace Core cost	☐

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	34	How to choose the right Meta Ads Manager objective	☐
	35	How to create a lookalike audience on Meta Ads Manager	☐
	36	HTML Images	☐
	37	HTML Images _ image tag_ alt attribute_ jpg_ png_ gif_ svg_ webp	☐
	38	Increasing Advertising Value of Mobile Marketing – An Empirical Study of Antecedents	☐
	39	Increasing Advertising Value of Mobile Marketing – An Empirical Study of Antecendents	☐
	40	Infringement of US Patent 11,470,682 by Crisis Response_Safety Check	☐
	41	Infringement of US Patent 8,249,932 by Facebook Targeted Advertising and Events	☐
	42	Infringement of US Patent 8,332,454 by Crisis Response_Safety Check	☐
	43	Infringement of US Patent 8,332,454 by Targeted Advertising and Events	☐
	44	Infringement of US Patent No. 9,877,345 by Crisis Response_Safety Check	☐

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	45	Intelligent Delivery of Interactive Advertisement Content	☐
	46	Introducing Safety Check	☐
	47	Introducing the Events From Facebook App	☐
	48	Lookalike Audiences - Meta Marketing API	☐
	49	Manage Your Ad Object's Status	☐
	50	Marketing API Reference	☐

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

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

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

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☐ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Maxim Rapoport/	Date (YYYY-MM-DD)	2024-05-30
Name/Print	Maxim Rapoport	Registration Number	67,675

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

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

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

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

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

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

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

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

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

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

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

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

PTO/SB/08a (01-22)
Approved for use through 05/31/2024. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

U.S.PATENTS						Remove
Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	5774670	A	1998-06-30	MONTULLI LOU	
	2	7016307	B2	2006-03-21	VASUDEV et al.	
	3	7263614	B2	2007-08-28	Roskind James A.	
	4	7284033	B2	2007-10-16	Jhanji Neeraj	
	5	7321920	B2	2008-01-22	Washburn Carl	
	6	7801971	B1	2010-09-21	AMIDON et al.	
	7	7817982	B1	2010-10-19	CHU et al.	
	8	8024330	B1	2011-09-20	FRANCO et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	9	8103300	B2	2012-01-24	Gogic Aleksandar	
	10	8249932	B1	2012-08-21	CONA et al.	
	11	8332454	B1	2012-12-11	CONA et al.	
	12	8560385	B2	2013-10-15	ATAZKY et al.	
	13	8799073	B2	2014-08-05	SHAHINE et al.	
	14	9195996	B1	2015-11-24	WALSH et al.	
	15	9877345	B2	2018-01-23	CONA et al.	
	16	11470682	B1	2022-10-11	CONA et al.	

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

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	20050197775	A1	2005-09-08	Smith Michael R.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	2	20060047825	A1	2006-03-02	STEENSTRA et al.	
	3	20060095320	A1	2006-05-04	Jones Lisa S.	
	4	20060117051	A1	2006-06-01	Chin Philip K.	
	5	20060155809	A1	2006-07-13	Arav Gal	
	6	20060230053	A1	2006-10-12	Eldering Charles	
	7	20060242234	A1	2006-10-26	COUNTS et al.	
	8	20060270419	A1	2006-11-30	CROWLEY et al.	
	9	20060282312	A1	2006-12-14	CARLSON et al.	
	10	20070194938	A1	2007-08-23	Mitchell Richard	
	11	20070233635	A1	2007-10-04	BURFEIND et al.	
	12	20080092162	A1	2008-04-17	LUNDY et al.	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	13	20080103784	A1	2008-05-01	WONG et al.	
	14	20080139165	A1	2008-06-12	GAGE et al.	

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

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] ¡	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1	2005-080211	JP	A	2005-03-24	HITACHI SOFTWARE ENG CO LTD	English Abstract Submitted	☐

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

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]
	1	A Brief History of Online Advertising	☐
	2	A New Center for Crisis Response on Facebook	☐
	3	A Systematic Review on Search Engine Advertising	☐
	4	About engagement custom audiences	☐

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	5	Ad Campaign Structure - Meta Marketing API	☐
	6	Ad server definition_Adjust	☐
	7	Ad Targeting - Options to Reach Your Audience Online	☐
	8	An Advertising Power, but Just What Does Double Click Do	☐
	9	An Advertising Power, but Just What Does Doubleclick Do	☐
	10	Apr 8th - Scranton Comedy Club Show w Headliner JOHNNY WATSON	☐
	11	Audience_Facebook Ads	☐
	12	Basic Targeting - Meta Marketing API	☐
	13	Best Practices for Optimizing Web Advertising Effectiveness	☐
	14	Best practices to advertise your event to your preferred audience	☐
	15	Complaint (SDNY-1-23-cv-06389)	☐

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	16	Consumer Attitudes Toward Mobile Advertising - An Empirical Study	☐
	17	Create an ad set in Meta Ads Manager	☐
	18	Crisis Response_Facebook Help Center	☐
	19	Crisis Response_The Silverado Fire in Orange County, California, USA	☐
	20	Crisis Response_The Simpson Road Fire in Logan County, Oklahoma, US	☐
	21	DECLARATION OF BERNARD J. JANSEN, PH.D., IN SUPPORT OF PETITION FOR INTER PARTES REVIEW OF CLAIMS 1-11, 22, AND 23 OF U.S. PATENT NO, 8,249,932	☐
	22	DECLARATION OF BERNARD J. JANSEN, PH.D., IN SUPPORT OF PETITION FOR INTER PARTES REVIEW OF CLAIMS 12-21 OF U.S. PATENT NO, 8,249,932	☐
	23	DECLARATION OF DR. JEREMY COOPERSTOCK IN SUPPORT OF PETITION FOR INTER PARTES REVIEW OF U.S. PATENT NO. 11,470,682	☐
	24	DECLARATION OF DR. JEREMY COOPERSTOCK IN SUPPORT OF PETITION FOR INTER PARTES REVIEW OF U.S. PATENT NO. 8,332,454	☐
	25	DECLARATION OF DR. JEREMY COOPERSTOCK IN SUPPORT OF PETITION FOR INTER PARTES REVIEW OF U.S. PATENT NO. 9,877,345	☐
	26	Detecting Hit Shaving in Click-Through Payment Schemes	☐

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	27	Doc 25 - NOTICE OF META'S MOTION TO DISMISS	☐
	28	Doc 25-1 - EXHIBIT TO FED. R. CIV. P. 12(b)(6) MOTION TO DISMISS	☐
	29	Doc 25-2 - [PROPOSED] ORDER GRANTING META'S MOTION TO DISMISS	☐
	30	Doc 26 - NOTICE OF META'S MOTION TO DISMISS	☐
	31	Doc 26-1 - [PROPOSED] ORDER GRANTING META'S MOTION TO DISMISS	☐
	32	Doc 27 - MEMORANDUM OF LAW IN SUPPORT OF META'S MOTION TO DISMISS	☐
	33	Doc 28 - DECLARATION OF DANA M. SESHENS IN SUPPORT OF META'S MOTION TO DISMISS	☐
	34	Doc 28-1 - EXHIBIT TO FED. R. CIV. P. 12(b)(6) MOTION TO DISMISS	☐
	35	Doc 28-2 - MEMORANDUM OF LAW IN SUPPORT OF META'S MOTION TO DISMISS	☐
	36	Doc 28-3 - EXHIBIT TO FED. R. CIV. P. 12(b)(6) MOTION TO DISMISS	☐
	37	Doc 40 - PLAINTIFF'S MEMORANDUM OF LAW IN OPPOSITION TO DEFENDANT'S MOTION TO DISMISS	☐

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	38	Doc 40-1 - Appendix A - Comparison with Patent Ineligible Claims	☐
	39	Doc 40-2 - Appendix B - Comparison with Patent Eligible Claims	☐
	40	Doc 40-3 - Appendix C - Responsive Rule 8.G.i Chart	☐
	41	Doc 41 - REPLY IN SUPPORT OF META'S MOTION TO DISMISS	☐
	42	Doc 41-1 - Exhibit A - Claim Comparison Chart	☐
	43	Doc 51 - Opinion and Order	☐
	44	Doc 56 - META'S ANSWER TO PLAINTIFF'S COMPLAINT	☐
	45	Doc 57 - JOINT CLAIM CONSTRUCTION BRIEF	☐
	46	Doc 57-1 - JOINT APPENDIX TO THE JOINT CLAIM CONSTRUCTION BRIEF	☐
	47	Doc 57-10 - Exhibit 9 Internet Dictionary	☐
	48	Doc 57-11 - Exhibit 10 The Facts on File Dictionary of Computer Science	☐

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	49	Doc 57-12 DECLARATION OF KATHRYN BI IN SUPPORT OF META'S RESPONSIVE CLAIM CONSTRUCTION BRIEF	☐
	50	Doc 57-3 - Exhibit 2 Dictionary of Computing_Pountain	☐

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

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

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

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☐ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Maxim Rapoport/	Date (YYYY-MM-DD)	2024-05-30
Name/Print	Maxim Rapoport	Registration Number	67,675

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

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

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

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

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

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

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

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

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

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

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

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

UNITED STATES
PATENT AND TRADEMARK OFFICE

P.O. Box 1450
Alexandria, VA 22313 - 1450
www.uspto.gov

ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
18/639,859	**05/30/2024 06:30:48 PM Z ET**	**000137-0005-126**

Title of Invention

METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	6493	FILED BY	Margaret Roslik
PATENT CENTER #	65738461	FILING DATE	04/18/2024
CUSTOMER #	1473	FIRST NAMED INVENTOR	Thomas Cona
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Maxim Rapoport

Documents

TOTAL DOCUMENTS: 63

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
NPL_49_Doc_5712_DECLARATION_OF_KATHRYN_BI_IN_SUPPORT_OF_M_732263.pdf	4	Non Patent Literature	151 KB
NPL_47_Doc_5710_Exhibit_9_Internet_Dictionary_732260.pdf	7	Non Patent Literature	2402 KB
NPL_48_Doc_5711_Exhibit_10_The_Facts_on_File_Dictionary_o_732261.pdf	6	Non Patent Literature	1938 KB
NPL_4_About_engagement_custom_audiences_732399.p	5	Non Patent Literature	175 KB

df			
NPL_50_Doc_573_Exhibit_2_Dictionary_of_Computing_Pountain_732249.pdf	6	Non Patent Literature	1676 KB
NPL_51_Doc_574_Exhibit_3_MerriamWebsters_Collegiate_Dicti_732252.pdf	6	Non Patent Literature	3146 KB
NPL_52_Doc_575_Exhibit_4_Dictionary_of_Computing_Collin_732253.pdf	7	Non Patent Literature	2623 KB
NPL_53_Doc_578_Exhibit_7_Computer_Jargon_Martin_732256.pdf	6	Non Patent Literature	3400 KB
NPL_54_Doc_579_Exhibit_8_Newtons_Telecom_Dictionary_732258.pdf	6	Non Patent Literature	3544 KB
NPL_56_Edit_information_on_your_Facebook_profile_and_choo_732415.pdf	3	Non Patent Literature	147 KB
NPL_57_Engagement_Custom_Audiences_Meta_Marketing_API_732385.pdf	9	Non Patent Literature	340 KB
NPL_58_Estimating_the_Capacity_of_the_LocationBased_Adver_732285.pdf	8	Non Patent Literature	217 KB
NPL_55_Doc_58_AMENDED_JOINT_CLAIM_CONSTRUCTION_CHART_746492.pdf	207	Non Patent Literature	11070 KB
NPL_59_Event_and_Local_Ads_Meta_Marketing_API_732	14	Non Patent Literature	2242 KB

0301

377.pdf			
NPL_5_Ad_Campaign_Structure_Meta_Marketing_API_732321.pdf	7	Non Patent Literature	450 KB
NPL_60_Facebook_Activates_Safety_Check_After_8_Killed_in___732306.pdf	3	Non Patent Literature	167 KB
NPL_61_Facebook_activates_Safety_Check_for_NYC_explosion_732304.pdf	10	Non Patent Literature	2176 KB
NPL_62_Facebook_Expands_Safety_Check_To_Facilitate_Aid_In_732262.pdf	5	Non Patent Literature	323 KB
NPL_63_Facebook_OCP_2S_Server_Tioga_Pass_Refresh_732350.pdf	23	Non Patent Literature	1447 KB
NPL_64_Facebook_Pixel_Events_732379.pdf	4	Non Patent Literature	943 KB
NPL_65_Facebook_releases_Safety_Check_crisis_response_too_732267.pdf	7	Non Patent Literature	2620 KB
NPL_66_Facebook_turns_Safety_Check_over_to_its_users_732354.pdf	5	Non Patent Literature	2738 KB
NPL_67_Facebook_Unveils_Facebook_Ads_732248.pdf	5	Non Patent Literature	98 KB
NPL_68_From_the_original_banner_to_Tosh0_The_hits_and_mis_732387.pdf	5	Non Patent Literature	840 KB

NPL_69_From_the_original_banner_to_Tosh_0_The_hits_and_mi_732298.pdf	5	Non Patent Literature	840 KB
NPL_6_Ad_server_definition_Adjust_732384.pdf	9	Non Patent Literature	1141 KB
NPL_70_Get_Started_Facebook_Ads_732493.pdf	6	Non Patent Literature	262 KB
NPL_71_Google_Acquires_Applied_Semantics_732308.pdf	2	Non Patent Literature	167 KB
NPL_72_Google_Buys_DoubleClick_for_31_Billion_732314.pdf	3	Non Patent Literature	103 KB
NPL_73_Google_Buys_DoubleClick_for_31_Billion_The_New_Yor_732402.pdf	3	Non Patent Literature	103 KB
NPL_74_Google_Timeline_The_New_York_Times_732309.pdf	2	Non Patent Literature	77 KB
NPL_75_Handbook_for_the_Palm_V_Organizer_732375.pdf	244	Non Patent Literature	1466 KB
NPL_76_How_20_years_of_Googles_AdSense_changed_the_intern_732307.pdf	2	Non Patent Literature	130 KB
NPL_77_How_do_I_mark_myself_safe_on_Facebook_or_ask_if_so_732362.pdf	3	Non Patent Literature	138 KB
NPL_78_How_does_Facebook_know_Im_in_an_area_aff	3	Non Patent Literature	181 KB

ected_by_a_732297.pdf			
NPL_79_How_Facebook_ads_use_machine_learning_732410.pdf	4	Non Patent Literature	292 KB
NPL_80_How_Facebooks_Location_Settings_work_732413.pdf	3	Non Patent Literature	140 KB
NPL_7_Ad_Targeting_Options_to_Reach_Your_Audience_Online_732382.pdf	6	Non Patent Literature	1572 KB
NPL_81_How_is_Safety_Check_activated_on_Facebook_Facebook_732295.pdf	3	Non Patent Literature	180 KB
NPL_83_How_much_does_Workplace_Core_cost_732272.pdf	2	Non Patent Literature	122 KB
NPL_82_How_Mark_Zuckerberg_Turned_Facebook_Into_the_Webs__732247.pdf	11	Non Patent Literature	598 KB
NPL_84_How_to_choose_the_right_Meta_Ads_Manager_objective_732325.pdf	5	Non Patent Literature	184 KB
NPL_85_How_to_create_a_lookalike_audience_on_Meta_Ads_Man_732406.pdf	5	Non Patent Literature	174 KB
NPL_86_HTML_Images_732319.pdf	6	Non Patent Literature	1097 KB
NPL_87_HTML_Images_image_tag_alt_attribute_jpg_png_gif_sv_732409.pdf	6	Non Patent Literature	1134 KB

NPL_88_Increasing_Advertising_Value_of_Mobile_Marketing_A_732290.pdf	10	Non Patent Literature	208 KB
NPL_89_Increasing_Advertising_Value_of_Mobile_Marketing_A_732381.pdf	10	Non Patent Literature	208 KB
NPL_8_An_Advertising_Power_but_Just_What_Does_Doubleclic_732317.pdf	9	Non Patent Literature	132 KB
NPL_90_Infringement_of_US_Patent_11470682_by_Crisis_Respo_732235.pdf	32	Non Patent Literature	3389 KB
NPL_91_Infringement_of_US_Patent_8249932_by_Facebook_Targ_732241.pdf	50	Non Patent Literature	6245 KB
NPL_92_Infringement_of_US_Patent_8332454_by_Crisis_Respon_732237.pdf	42	Non Patent Literature	4412 KB
NPL_95_Intelligent_Delivery_of_Interactive_Advertisement__732276.pdf	16	Non Patent Literature	268 KB
NPL_96_Introducing_Safety_Check_732254.pdf	8	Non Patent Literature	436 KB
NPL_94_Infringement_of_US_Patent_No_9877345_by_Crisis_Res_732236.pdf	23	Non Patent Literature	6666 KB
NPL_93_Infringement_of_US_Patent_8332454_by_Targeted_Adve_732239.pdf	57	Non Patent Literature	7534 KB
NPL_97_Introducing_the_Ev	8	Non Patent Literature	1006 KB

ents_From_Facebook_App_732250.pdf			
NPL_98_Lookalike_Audiences_Meta_Marketing_API_732344.pdf	13	Non Patent Literature	353 KB
NPL_99_Manage_Your_Ad_Objects_Status_732333.pdf	5	Non Patent Literature	280 KB
NPL_9_An_Advertising_Power_but_Just_What_Does_Doubleclic_732407.pdf	9	Non Patent Literature	132 KB
000137-0005-126-IDS.pdf	3	Information Disclosure Statement (IDS) Form (SB08)	109 KB
Warning: This is not a USPTO supplied IDS fillable form. Data in the form cannot be automatically loaded to other USPTO systems.			
000137-0005-126-SB08_3.pdf	8	Information Disclosure Statement (IDS) Form (SB08)	1261 KB
000137-0005-126-SB08_2.pdf	8	Information Disclosure Statement (IDS) Form (SB08)	1261 KB
000137-0005-126-SB08_1.pdf	11	Information Disclosure Statement (IDS) Form (SB08)	1262 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
NPL_49_Doc_5712_DECLARATION_OF_KATHRYN_BI_IN_SUPPORT_OF_M_732263.pdf	298A7670D9E8368847DB6EDC10476963AEB738A6EBA6A8CF8BD9C96D566B6B5DC5525579CD5CCD5CA637588D0EC8DE7379D9C7A60CB41BA22C22352B9FC2A2FF
NPL_47_Doc_5710_Exhibit_9_I	9ABBC1251DB6C40BAE29261E55F4D051EBB9ACDC5AC429A6

nternet_Dictionary_732260.pdf	03AD9614D4464D8D17EDCC8C2FCCB1D7D2460DBFA1D9232D136BB1CB05C1D97496229270F68EB5B3
NPL_48_Doc_5711_Exhibit_10_The_Facts_on_File_Dictionary_o_732261.pdf	E3583F9A6212333B170E78B11D2F43E9E4712E35EC70442DC5D7880CDBEC0BBE778464B01685E08ADAF390C344C422C3505A34BBDDC2A24018C12067CD4A6798
NPL_4_About_engagement_custom_audiences_732399.pdf	E668383F631CBE5E4C275E281DAD08046E5E645E2886D3D8CF6E0ED00A7127C19E4033B17BAF8ACF0227C72D925F6D8C019899F5049E5E64869358C9DE02FAB7
NPL_50_Doc_573_Exhibit_2_Dictionary_of_Computing_Pountain_732249.pdf	549F28104974F3630A27DFD8BEE09D3FC62E8A4B6B298E9A722BD7682E0CFEBB6DEB52EC54AF9A764D2FA11F7A888F14131725A0EDD1558ED6989FB4D8970745
NPL_51_Doc_574_Exhibit_3_MerriamWebsters_Collegiate_Dicti_732252.pdf	822E648068BACD41E9F96C4D5A9E51BBE620D7BD1A10B562390F87B8E37FFFC004555733F21564CBC8151F7ED09C999EE318633D69B6AF3CC95EE54137F87ED0
NPL_52_Doc_575_Exhibit_4_Dictionary_of_Computing_Collin_732253.pdf	E0210B3E3D3AA09D2A5C11FA740F6C956F8FF08A559DB6CD33FF322B86FAF1CFD2FFBA9A35C2905EA3F8B743B793DE587609FF47801AD3EEB9BF9E1D4DDF4ABB
NPL_53_Doc_578_Exhibit_7_Computer_Jargon_Martin_732256.pdf	29752034BEC51AB34E26A17DCD55DBD606CC93DFD3D7E990804CE4B31164B4047D5037FC5A05E85EBA9BCA0E8540316451630805BDC7B80DE67260EBCE0DF0CF
NPL_54_Doc_579_Exhibit_8_Newtons_Telecom_Dictionary_732258.pdf	7B4617632F9686D2ECA80174A014AD84040068054BC336D38B7ACC42A4841531F7FF1DD35CD5D29421156CBC0C49A6F823B4DE950C24ABE9CE72D411594C1F32
NPL_56_Edit_information_on_your_Facebook_profile_and_choo_732415.pdf	50633333E475AB3FC5AD56BBD38F2E0EA40145B1EBDAD8D4E9647FA3561CF4BEDA818DCF4FDF9B8F2B7E6B5545898CFFA9574BB24C00B0516DAEEED4565E05D1
NPL_57_Engagement_Custom_Audiences_Meta_Marketing_API_732385.pdf	844EE8DB287C506937F261136AEF03D696176D886F4AEA70F85106FAB5BABFD4860AD6EA6A34263F808E1C7EAC521220527B4BF590D5192AFE427E493FEACAEB
NPL_58_Estimating_the_Capac	3E65CB98CC10AB6967203AE6CBE726D72CCEE9B03E4D26D7

ity_of_the_LocationBased_Adver_732285.pdf	BB2AE203910813D2A1115185DB0A88C31938161515C7205AE64CC49B6BEE3BED0C968496C6A6E36E
NPL_55_Doc_58_AMENDED_JOINT_CLAIM_CONSTRUCTION_CHART_746492.pdf	4EDC648FB32B0368BB8B6F7B5F3F88F9FA6FFF5E6772EA8EC9DF0EDFFB2D81B2604726769EE8A678FD8400B7F09D38E4583340C2B17674AE903B79EE2A34AD60
NPL_59_Event_and_Local_Ads_Meta_Marketing_API_732377.pdf	CCCA27D7A0FF963DAAD12AE048DBCD380A6EC72FE9591B756A08423232 4B227DBF7ACDAB39D206577A6A5B669D10461F9ACBA79FEEF1EEAEC6EF5750C975C33D
NPL_5_Ad_Campaign_Structure_Meta_Marketing_API_732321.pdf	27972036AE5302491DCDB7BED3C45D0BCDF5F857474F098742C92F336676847AE78446127546F2055F954885292FF1C47B19BE4F4D19970229ECB6CE23A2AFE2
NPL_60_Facebook_Activates_Safety_Check_After_8_Killed_in___732306.pdf	5F842BAED0D50065CFA6CE7BFF78B04C0A998FA549F6C2539B04A97EA4AE84E507E45111C4388AD27FEEB95A542B55686020A5CD92AFECEEE231BB15C95B7C8E
NPL_61_Facebook_activates_Safety_Check_for_NYC_explosion_732304.pdf	AE8107823509637852 4AF47762EB447423DB545DCAF7D76E92B30B372A921E4252D4EAE6513E1B7F6BA0A378AA8E1CFF24F6BDA0F97484A836C126975C1312EE
NPL_62_Facebook_Expands_Safety_Check_To_Facilitate_Aid_In_732262.pdf	EE18101CA918A5BCF01793B0B32F1F5476D216ABE95D66AF3E66A77946911B8F85ADEE7ECF95B77354E569ECDCA98BA67AF8854C7F3F81C434269CCC70D35D74
NPL_63_Facebook_OCP_2S_Server_Tioga_Pass_Refresh_732350.pdf	14C53B91249D69B5F4F3B894A8E3E230908695AB646B89B6322A4BF7EA0BFBE64F9E8C671806AEAD806CB2B8FDC0BEAA8E811727B7A7F97DA8C9F02E53255912
NPL_64_Facebook_Pixel_Events_732379.pdf	6B445AA63864203AAD076A54328A67369B137905C189DE479118454C89F35E0C8BFF63E36EC81B8DAF4515F11B028571E0C60717782264BCB86887EA4BCD895A
NPL_65_Facebook_releases_Safety_Check_crisis_response_too_732267.pdf	3B1DD46AA47D889F72BE53D5A8FC9AE944F23B31899A4C843990EF2198C8AF8786E4E5E38650DE37491C2C5E2789970E422453FB5250310A2D02A989F6B5A896
NPL_66_Facebook_turns_Safet	9801CE940153DD7FB905379CF9BA54B9A97856CCFE3EF5505

y_Check_over_to_its_users_732354.pdf	D96363CA11F5301B396EA9A97A59B03A8F9B524F5849013A74A69664E3D9B99407FFC155FB595B0
NPL_67_Facebook_Unveils_Facebook_Ads_732248.pdf	723E1DEF7D6589851F0282FCC9FD86992610DBDB02B360A29FC0711AE7020041E5282E6D9B1B71309383ABAD432CF80CECAB849E598ABC84AE45CC4EEB0EF497
NPL_68_From_the_original_banner_to_Tosh0_The_hits_and_mis_732387.pdf	A3A6A2F546C40C082E4102317B35BECA1932193398C83482AE86B18B88EDEF324F76A517101E2C648E8B147BC1C88B76575020247C3620C909B2A2397BA0B91B
NPL_69_From_the_original_banner_to_Tosh_0_The_hits_and_mi_732298.pdf	191BB34C49388F55DAD975A1E4D9EC4090C0F08FE6DD393D6A2A4C39C29CC1F58D7C877102672D7F3441A092FB7288C45814964B936957F66E4F6B8CD58DCE8A
NPL_6_Ad_server_definition_Adjust_732384.pdf	82299E9A4B082CAD4FAB8DDD8FED1C6CD9B429909F9DAE8CBF8DDCD0EF3C9D19920054BF82B163ED855B84C15A6DF3B6719CBFADBCE11F55089B80793EB95E9F
NPL_70_Get_Started_Facebook_Ads_732493.pdf	F4386A7A5386F5749DCB31484FA73E1A0B8E0ED2FECEA3364C39CD4D1FB74A1911CC0DBF0E968483873C4158DD5690C524A0629057508F2AC1A1C289A32F91F0
NPL_71_Google_Acquires_Applied_Semantics_732308.pdf	95CA03BAB5810C74C31FB59AA3ABCEBF2A2B064BA6BECE1BE23D3EFB8DF3DF50FD9F39C33880AA60BB668379A6DD6AEAB18E9FCFFBE4141BAC59E0E9E6127BD3
NPL_72_Google_Buys_DoubleClick_for_31_Billion_732314.pdf	9D4E633B95E4D6A312CC466C235CAE229C5C20B301D98E98524B7035AD5955524508662EB73FD301CB47525F2951A50E94AD10B6365D23742199BA9B765F2902
NPL_73_Google_Buys_DoubleClick_for_31_Billion_The_New_Yor_732402.pdf	457B55CCC71AA5EBCD4043558EC2F7096BEBE4CA79893059F83FADF0056F2067BA8D60EDB3F0B51AB124CBDB857BCCE5CC21F12C175B941827666C871A6AC55E
NPL_74_Google_Timeline_The_New_York_Times_732309.pdf	9AA6AAFDE8225A704646DC0165D9A2FE383A2D791975663CB5C88D361BE2AC4E29B24756054DF665A4840580414530538 7F88CCE2A1494B19E35DC5E2961CB62
NPL_75_Handbook_for_the_Pa	9CD86B2CB69938D281221A7358A23276AF666EF409B0789AC

Im_V_Organizer_732375.pdf	C8548B1CE18BC0DD93B3D05EBBAACB0D72A779E8A399BCE7E36E4330D5F97DDB175C783A8145B94
NPL_76_How_20_years_of_Googles_AdSense_changed_the_intern_732307.pdf	DE5861145941970E1D01C90C11DE505903A3161DA20B168679D83FCBC6F894112ECE5226D2EBB933674F0E06F38B1D6EDCA6CE597C51E56A900DF5D4F4D8E454
NPL_77_How_do_I_mark_myself_safe_on_Facebook_or_ask_if_so_732362.pdf	13E9F1696CF81600CDDB9F8FB41AE642D458FD52763F9E44B095D3F5F2F9400033581D5FA760D203BA8B676B86B050E7C5AE8A5C0860B794FC9290C2FB6FA5D6
NPL_78_How_does_Facebook_know_Im_in_an_area_affected_by_a_732297.pdf	67E0E8E174D2429B3F92E204EE5431F1FE12B14A47F2FFFA3C548817988F676343D368477765A6FBB9D64827F14CE15D62261B5AE2CDD276A4C2C3A5B009637D
NPL_79_How_Facebook_ads_use_machine_learning_732410.pdf	69D36276EFF6EB7D539D7D25BA03CF268457042FEA813C2858892CA110F0C0B45F2FFBB84F8B63EE9C21DEE2C4116D271C4C442BD16F354EA29DD64CC1CCF000
NPL_80_How_Facebooks_Location_Settings_work_732413.pdf	D7B1895528A115744ED0D06B52FBED6A645B816565D491AA7B65C838F10AC942DF6B054F2C381EA268DC0B4257D295A2BCFAA4228DEE859F8C9631CC4591B8AE
NPL_7_Ad_Targeting_Options_to_Reach_Your_Audience_Online_732382.pdf	90431EDA826C70D8796F1E26759D94AE38B498ADED484CD9F0FC10073E5F366078806DADC33F64405C29A4B46E5C9129F9D35DE3E45E5DDD4E22E51031D4EEF7
NPL_81_How_is_Safety_Check_activated_on_Facebook_Facebook_732295.pdf	2FF153FF8477024727C9E6B6CFF2597BC75F287DE1A598C5D0BD4ABB78835660BCAABDE3F2C4AD87420BE9290CDFF273D585FB7D79AD2CA031FFE397D808C7C7
NPL_83_How_much_does_Workplace_Core_cost_732272.pdf	60E53BDF50C7C0762ABE621CAF99C99B23E6423A1018583512C7D82B00BFFBAED103203CA3782BD53F585AFF99CD1E5841CF893B0B54F2666269E47212696EF1
NPL_82_How_Mark_Zuckerberg_Turned_Facebook_Into_the_Webs__732247.pdf	0E028D6F02911645410CD3CC57C61489231E8C396C8B09F211801401E625598EC25EE8A31DA8916E3F3E0372789C74A89939F7828801BB3DBA5D974CD5EC3552
NPL_84_How_to_choose_the_r	C6242523F847CD29D1132F585BA0D13D511667FB45B5B639E6

ight_Meta_Ads_Manager_objective_732325.pdf	4CA56F60A0A4462335B42794CAA07679367144CC3B50111A6441636B9D3654E07810E44FF960A
NPL_85_How_to_create_a_lookalike_audience_on_Meta_Ads_Man_732406.pdf	5180EDADA290E9D2295F3907A693E978716C2BAFDBBF3BB67AF158A4370164DD9D687E0AE083CC2BB6616D031FFBB4DA46AE1E7F8B6918E55E50F824875256AC
NPL_86_HTML_Images_732319.pdf	AAB0063773C4DB903608732BE09FF86F25CD6CA9AB30439612FE6BBF3A189371E18D9901C837CACA47A1324058ED5737E4A64DF8D83BF40F6E0B92E69E79B859
NPL_87_HTML_Images_image_tag_alt_attribute_jpg_png_gif_sv_732409.pdf	FBD8232FDA11FB13CE39888442A33CF715D74B821F33A750BDC32EB509F7DD54BDE9DEAE95A345E0BB7F8A035B15BB4D859566705046527ADE1644C6F1F7B19D
NPL_88_Increasing_Advertising_Value_of_Mobile_Marketing_A_732290.pdf	AA862AFFA89768DD848406649C991893622DDC8538FC91C71554D12BB9BB7333F00223C194D5A5DA6CF621762FB91E8DB04E8F335471862D1762399B02C58831
NPL_89_Increasing_Advertising_Value_of_Mobile_Marketing_A_732381.pdf	2547777CDC8E99A916F63096613DB671968E2203A42E84E4123B7BF864691C704DFC1A6BEC9C44F68C2EDAEBB352AF209D82682D7697A24274C10DD788BDB98C
NPL_8_An_Advertising_Power_but_Just_What_Does_Doubleclic_732317.pdf	C98AF83BD650BFE5D909978691B2D641E1F3C89791A7BF7AB04C4EA8370665F3C413D64FEF14FCFEFB62119B61D6ECB3BAF4CA058AF90243414A2170E9FB4952
NPL_90_Infringement_of_US_Patent_11470682_by_Crisis_Respo_732235.pdf	510418F1BE6A04C603D59EBF605FA2776423E18C3AE541DF64031DD2550CB45080FD4DAC7B00BCC6C68EA696E54A8180588B6ADE9714B47E3F8B5E866E5FF01F
NPL_91_Infringement_of_US_Patent_8249932_by_Facebook_Targ_732241.pdf	2061FE039AF7E37A705774F80FCD3E7E0D124CAF2E31063A5F2BE61F8FE9AE2D73CCFEFA3EABAFA49A8326CFCD50E0AC2B84C4551ECFF19C238A2281916F4C43
NPL_92_Infringement_of_US_Patent_8332454_by_Crisis_Respon_732237.pdf	72C457283A8B7CE414B314C342E309DB5EDE45C2CB788E02723BB687E481F4121808E3C39A5204BAB785D96B7362FED58DB2AD5F90FB43F6D75D6A292EAE3036
NPL_95_Intelligent_Delivery_of	BE92A2AB329B5EDEAF62B56364246A20AA08E63079B42B49E

_Interactive_Advertisement__732276.pdf	4D075C42BD651499ADE88EC308E50E5E401D5077758804FCA87ABEB46E001C8A070C1F637767745
NPL_96_Introducing_Safety_Check_732254.pdf	A89AD704635333829094901BD3460DA1BAF800D3B58D482E975FA10A908CA818045CE93EED8AD8B49AF733578B24720C5B08D27481230C244D113D3B42E5FD83
NPL_94_Infringement_of_US_Patent_No_9877345_by_Crisis_Res_732236.pdf	E2129420CE8646A8A83E51236CDFF0969BDFE124E74CA30C3F4356FB801F106F37FF71481C24B1E7C80EDDD540586252F6CEEE8DEC5BE48141C651DC29203374
NPL_93_Infringement_of_US_Patent_8332454_by_Targeted_Adve_732239.pdf	D18BED3232212C53F2782D20C43A5201C12C286E0CBAEAED688899262FF1366A776910DF571901A2516704841B5923C069F6BA2FA7F9546A3E6E6B16CE2F1AEC
NPL_97_Introducing_the_Events_From_Facebook_App_732250.pdf	9861CA32841CDD11C8A2D23B707AA8C5CAB34A4ACB4D11112D1FD61F9D66277690EE210E59E47CA33F6D4472FA1482B5C9550B29AF25B56508322C770C0ED35E
NPL_98_Lookalike_Audiences_Meta_Marketing_API_732344.pdf	575DDAB64E4E671BB9DE8DFDA1E571B9A35B4DDA817AB4D223204D0873A35E11D885A6EB78DE7CEF3AD6FE3A16C4579F1C6179D81A00E6EFE99432A66B888E0C
NPL_99_Manage_Your_Ad_Objects_Status_732333.pdf	0DD694E25D6C3E2811B0979FAB8FC7AFCD40C44E365766AC65819080ADB24CC82BD5A580D8C000C2A87CDE748C406D9CB66A6A5F6F51046605F21F2C0B60B9EC
NPL_9_An_Advertising_Power_but_Just_What_Does_Doubleclic_732407.pdf	23389B1DFBC77DE3378630DC61E85B0F6A23D2B0FE624793F02D2ED0E81B1F6255AEA51A7FF920423EB6685DF2FEF75A05BA33270857E49B29F4AB1EE5CFA9B6
000137-0005-126-IDS.pdf	3FA1DEA608AA88584486A0074F3409B5997ADCCF90A8C74E3E6796C776FD89F15448E6F34F59F38787A1F2EB67023B25904C4B86089D6AF78D4778A796E3B712
000137-0005-126-SB08_3.pdf	E55A7C3833E758CAA9F4025BE78B81B1CD6C457E4E120EEA976AC92A002AC5599AEC0B9533A4071CDB31B2A94AD806C7F5ADFA995173FC892B864EDB50A6EBBB
000137-0005-126-SB08_2.pdf	0410F737A1DCF2C53C6E660B0B2BD9AAC5D567B7A02A24886

	7E17931DCD60BD8565D94C0A5DBFADAFA70D0802F05485047FC45237C6CD8298FF1430D3D0A41C4
000137-0005-126-SB08_1.pdf	E61E7702A7C261D414C91064BB2B6F0058A7F1C9A1A915CE11B79E15B6436CCD2B8DF4523EFA5B962DFCF846684CFB828166110A5DEB1C7AC3FBC5863328A504

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

UNITED STATES
PATENT AND TRADEMARK OFFICE

P.O. Box 1450
Alexandria, VA 22313 - 1450
www.uspto.gov

ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
18/639,859	**05/30/2024 06:34:08 PM Z ET**	**000137-0005-126**

Title of Invention

METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	6493	FILED BY	Margaret Roslik
PATENT CENTER #	65738216	FILING DATE	04/18/2024
CUSTOMER #	1473	FIRST NAMED INVENTOR	Thomas Cona
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Maxim Rapoport

Documents

TOTAL DOCUMENTS: 100

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part18.pdf	13	Non Patent Literature	21910 KB
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part19.pdf	12	Non Patent Literature	21333 KB
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part2.pdf	47	Non Patent Literature	21738 KB

NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part21.pdf	6	Non Patent Literature	17287 KB
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part20.pdf	13	Non Patent Literature	23179 KB
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part22.pdf	15	Non Patent Literature	23061 KB
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part23.pdf	13	Non Patent Literature	24338 KB
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part24.pdf	6	Non Patent Literature	20141 KB
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part25.pdf	7	Non Patent Literature	21494 KB
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part26.pdf	21	Non Patent Literature	22698 KB
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part28.pdf	97	Non Patent Literature	19555 KB
NPL_113_PETITION_FOR_I	85	Non Patent Literature	22921 KB

NTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part27.pdf			
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part29.pdf	6	Non Patent Literature	20423 KB
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part3.pdf	11	Non Patent Literature	21550 KB
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part30.pdf	6	Non Patent Literature	20035 KB
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part31.pdf	21	Non Patent Literature	22102 KB
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part34.pdf	100	Non Patent Literature	9656 KB
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part32.pdf	11	Non Patent Literature	23195 KB
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part33.pdf	418	Non Patent Literature	22971 KB
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_O	10	Non Patent Literature	21404 KB

F_US_PATENT_NO_9_732335_Part4.pdf			
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part5.pdf	13	Non Patent Literature	22792 KB
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part6.pdf	21	Non Patent Literature	21452 KB
NPL_114_PGP_Lets_You_Take_Charge_of_Your_Cookies_732305.pdf	8	Non Patent Literature	786 KB
NPL_115_PGP_Lets_You_Take_Charge_of_Your_Cookies_WIRED_732392.pdf	8	Non Patent Literature	786 KB
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part7.pdf	20	Non Patent Literature	21630 KB
NPL_117_Post_Engagement_in_Facebook_Ads_732403.pdf	4	Non Patent Literature	155 KB
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part8.pdf	69	Non Patent Literature	22982 KB
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part9.pdf	19	Non Patent Literature	20392 KB
NPL_116_Popup_ads_OK_fo	11	Non Patent Literature	5157 KB

r_Tripod_CNET_732320.pdf			
NPL_118_Safety_Check_Streamlining_deployment_around_the_wo_732287.pdf	10	Non Patent Literature	3162 KB
NPL_119_Seven_Million_People_Used_Facebooks_Check In_Featur_732259.pdf	3	Non Patent Literature	1565 KB
NPL_11_Audience_Facebook_Ads_732282.pdf	3	Non Patent Literature	106 KB
NPL_121_Social_network_Wikipedia_the_free_encyclopedia_732353.pdf	6	Non Patent Literature	392 KB
NPL_122_Social_Network_Sites_Definition_History_and_Schola_732351.pdf	21	Non Patent Literature	355 KB
NPL_123_Stale_Cookies_ClickZ_732316.pdf	2	Non Patent Literature	124 KB
NPL_120_SitNet_v_Meta_Complaint_and_Exhibits_732223_Part3.pdf	143	Non Patent Literature	14484 KB
NPL_124_TAO_Facebooks_Distributed_Data_Store_for_the_Socia_732310.pdf	13	Non Patent Literature	404 KB
NPL_120_SitNet_v_Meta_Complaint_and_Exhibits_732223_Part0.pdf	355	Non Patent Literature	22820 KB
NPL_120_SitNet_v_Meta_Complaint_and_Exhibits_732223_Part1.pdf	240	Non Patent Literature	22880 KB

NPL_120_SitNet_v_Meta_Complaint_and_Exhibits_732223_Part2.pdf	196	Non Patent Literature	22458 KB
NPL_125_TAO_The_power_of_the_graph_Engineering_at_Meta_732417.pdf	9	Non Patent Literature	1090 KB
NPL_127_The_Evolution_of_Google_AdWords_A_38_Billion_732311.pdf	3	Non Patent Literature	156 KB
NPL_128_The_FirstEver_Banner_Ad_on_the_Web_732301.pdf	2	Non Patent Literature	238 KB
NPL_126_The_Building_Collapse_in_Fereej_Bin_Durham_Doha_Qa_732315.pdf	8	Non Patent Literature	5375 KB
NPL_129_The_Google_Online_Marketing_Challenge_Classroom_Le_732313.pdf	11	Non Patent Literature	188 KB
NPL_12_Basic_Targeting_Meta_Marketing_API_732408.pdf	14	Non Patent Literature	567 KB
NPL_130_The_Google_Online_Marketing_Challenge_732400.pdf	11	Non Patent Literature	187 KB
NPL_133_The_Tao_of_Facebook_Social_Graph_Takes_New_Path_732312.pdf	8	Non Patent Literature	989 KB
NPL_134_The_Wayback_Machine_732372.pdf	5	Non Patent Literature	451 KB
NPL_135_Unintrusive_custo	14	Non Patent Literature	439 KB

mization_techniques_for_web_adver_732324.pdf			
NPL_137_View_insights_about_reactions_to_your_ad_732393.pdf	4	Non Patent Literature	166 KB
NPL_131_The_History_of_Online_Advertising_732303.pdf	28	Non Patent Literature	14897 KB
NPL_136_Updated_sciencewide_author_databases_of_standardiz_732270.pdf	3	Non Patent Literature	186 KB
NPL_132_The_History_of_Online_Advertising_Adpushup_732391.pdf	28	Non Patent Literature	14897 KB
NPL_138_WAP_Wireless_Application_Protocol_TechFAQ_732386.pdf	3	Non Patent Literature	218 KB
NPL_139_What_are_CalltoAction_Buttons_in_Meta_Ads_Manager_732495.pdf	4	Non Patent Literature	566 KB
NPL_13_Best_Practices_for_Optimizing_Web_Advertising_Effe_732288.pdf	14	Non Patent Literature	761 KB
NPL_140_What_are_GPS_coordinates_and_how_do_they_work_732281.pdf	6	Non Patent Literature	511 KB
NPL_141_What_are_some_things_I_can_do_to_stay_safe_on_Face_732300.pdf	3	Non Patent Literature	187 KB
NPL_142_What_is_a_Facebook_Pixel_Metas_tracking_to	8	Non Patent Literature	611 KB

ol_expla_732401.pdf			
NPL_143_What_is_a_Web_Browser_Definition_from_Techopedia_732371.pdf	6	Non Patent Literature	577 KB
NPL_144_What_is_an_ad_server_732294.pdf	9	Non Patent Literature	1141 KB
NPL_145_Why_were_buying_DoubleClick_732279.pdf	7	Non Patent Literature	3122 KB
NPL_14_Best_practices_to_advertise_your_event_to_your_pre_732368.pdf	4	Non Patent Literature	161 KB
NPL_15_Complaint_SDNY123cv06389_732296.pdf	47	Non Patent Literature	1284 KB
NPL_16_Consumer_Attitudes_Toward_Mobile_Advertising_An_Em_732283.pdf	15	Non Patent Literature	152 KB
NPL_17_Create_an_ad_set_in_Meta_Ads_Manager_732388.pdf	5	Non Patent Literature	190 KB
NPL_18_Crisis_Response_Facebook_Help_Center_732494.pdf	3	Non Patent Literature	153 KB
NPL_1_A_Brief_History_of_Online_Advertising_732299.pdf	5	Non Patent Literature	258 KB
NPL_19_Crisis_Response_The_Silverado_Fire_in_Orange_Count_732359.pdf	9	Non Patent Literature	1611 KB
NPL_20_Crisis_Response_The_Simpson_Road_Fire_in_L	8	Non Patent Literature	1950 KB

ogan_Cou_732365.pdf			
NPL_22_DECLARATION_OF_BERNARD_J_JANSEN_PHD_IN_SUPPORT_OF__732268.pdf	84	Non Patent Literature	6787 KB
NPL_21_DECLARATION_OF_BERNARD_J_JANSEN_PHD_IN_SUPPORT_OF__732363.pdf	165	Non Patent Literature	14271 KB
NPL_23_DECLARATION_OF_DR_JEREMY_COOPERSTOCK_IN_SUPPORT_OF_732332.pdf	149	Non Patent Literature	3525 KB
NPL_24_DECLARATION_OF_DR_JEREMY_COOPERSTOCK_IN_SUPPORT_OF_732346.pdf	95	Non Patent Literature	850 KB
NPL_26_Detecting_Hit_Shaving_in_ClickThrough_Payment_Sche_732326.pdf	13	Non Patent Literature	449 KB
NPL_25_DECLARATION_OF_DR_JEREMY_COOPERSTOCK_IN_SUPPORT_OF_732337.pdf	126	Non Patent Literature	2908 KB
NPL_27_Doc_25_NOTICE_OF_METAS_MOTION_TO_DISMISS_732226.pdf	27	Non Patent Literature	394 KB
NPL_28_Doc_251_EXHIBIT_TO_FED_R_CIV_P_12b6_MOTION_TO_DISM_732418.pdf	1	Non Patent Literature	84 KB
NPL_29_Doc_252_PROPOS	1	Non Patent Literature	72 KB

ED_ORDER_GRANTING_METAS_MOTION_TO_DI_732419.pdf			
NPL_2_A_New_Center_for_Crisis_Response_on_Facebook_732492.pdf	7	Non Patent Literature	949 KB
NPL_30_Doc_26_NOTICE_OF_METAS_MOTION_TO_DISMISS_732227.pdf	2	Non Patent Literature	141 KB
NPL_31_Doc_261_PROPOSED_ORDER_GRANTING_METAS_MOTION_TO_DI_732420.pdf	1	Non Patent Literature	72 KB
NPL_32_Doc_27_MEMORANDUM_OF_LAW_IN_SUPPORT_OF_METAS_MOTIO_732228.pdf	25	Non Patent Literature	215 KB
NPL_33_Doc_28_DECLARATION_OF_DANA_M_SESHENS_IN_SUPPORT_OF_732229.pdf	36	Non Patent Literature	528 KB
NPL_34_Doc_281_EXHIBIT_TO_FED_R_CIV_P_12b6_MOTION_TO_DISM_732421.pdf	2	Non Patent Literature	118 KB
NPL_36_Doc_283_EXHIBIT_TO_FED_R_CIV_P_12b6_MOTION_TO_DISM_732423.pdf	4	Non Patent Literature	128 KB
NPL_35_Doc_282_MEMORANDUM_OF_LAW_IN_SUPPORT_OF_METAS_MOTI_732422.pdf	29	Non Patent Literature	281 KB

NPL_37_Doc_40_PLAINTIFFS_MEMORANDUM_OF_LAW_IN_OPPOSITION__732230.pdf	54	Non Patent Literature	432 KB
NPL_38_Doc_401_Appendix_A_Comparison_with_Patent_Ineligib_732424.pdf	12	Non Patent Literature	176 KB
NPL_39_Doc_402_Appendix_B_Comparison_with_Patent_Eligible_732425.pdf	14	Non Patent Literature	182 KB
NPL_3_A_Systematic_Review_on_Search_Engine_Advertising_732292.pdf	32	Non Patent Literature	599 KB
NPL_40_Doc_403_Appendix_C_Responsive_Rule_8Gi_Chart_732426.pdf	2	Non Patent Literature	124 KB
NPL_42_Doc_411_Exhibit_A_Claim_Comparison_Chart_732427.pdf	2	Non Patent Literature	102 KB
NPL_41_Doc_41_REPLY_IN_SUPPORT_OF_METAS_MOTION_TO_DISMISS_732231.pdf	10	Non Patent Literature	228 KB
NPL_43_Doc_51_Opinion_and_Order_732232.pdf	11	Non Patent Literature	237 KB
NPL_44_Doc_56_METAS_ANSWER_TO_PLAINTIFFS_COMPLAINT_732233.pdf	24	Non Patent Literature	193 KB
NPL_46_Doc_571_JOINT_APPENDIX_TO_THE_JOINT_CLAIM_CONSTRUC_732428.pdf	2	Claims	135 KB

NPL_45_Doc_57_JOINT_CLAIM_CONSTRUCTION_BRIEF_732234_Part0.pdf	143	Claims	22391 KB
NPL_45_Doc_57_JOINT_CLAIM_CONSTRUCTION_BRIEF_732234_Part1.pdf	24	Claims	15445 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part18.pdf	1F3A4BF870652246C04E2B9CD2194D88ECE45AA40B226162AA23FBBA0B496703670A9ECE1B7C225AE164BA8991A9726062F5C69C781E4215475EF390A5262BED
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part19.pdf	88B6BE44B35F93B77CBC2419493E62ECC9EA4D46D11BB5E20277D150A7ACAC97F78953F6FF9653BFAE0038E87EA521CCE168F90A5CFFAE9FAD05E1C3B0F4B43F
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part2.pdf	63C0EED497E648C568F95F1AE777F0185A203BED974387F4BF2BE6C46CDB24791512C24481BFE9A2765DAF46047D1E791168666615B01DFEDBC2782718FD0565B
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part21.pdf	F6779269E48CF9027D7C159419BEB34D0E4E6457A57DF9CBB13CD8E25065D483FB1F81BEE8434ED6D83CFA561F1DD71C366E604F6BCDAD8A5051BEE355C85BB5
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part20.pdf	D75294D6C16EE1A3B080FBCA7744368230 6C370251AC37CDE596D82E49220122CBA24E4980692 1106E30ECEE63D804A3D60CF77A742292B478F67ABBE8974B54
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US	AC816886C9983092687C27D7BEE8795D497631FF0AFCF7B6A6C68052A5DD4D52203E6B24276C85252FEF0DDABE451E4504

_PATENT_NO_9_732335_Part 22.pdf	4A995B91A50559D026DB57AF8C3DBE
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part 23.pdf	88E5A427529AB105942A697DF0A664882B1D2CBC9293557A877BFEBAD129E0C2B1B381D3EBCB9FE0E4E96DA29E3CABAD5A5878DDE4FEE58BD803F46B885EE822
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part 24.pdf	B6341E2D3770A48A9F2B7B2D94CE2DAD3773FD1B1770D750514471ABD75201D1F4135803BE21DAF0AEE6AE6972326A37F0085AADF1494AA5D7198BAAD3B09958
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part 25.pdf	3575DD1A6C1EA3137E57C3A9FC48BDE351A1F7F6F5C76A79B255A2D72D493F28AEC0C6BE8FE673DF6EEE1812B967C637F8017C5A4BAE0221E4C27E5EAC58D037
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part 26.pdf	1B9BE52313A78A914B0938148335BB2D2AB0328F4D1F61F0CA92B0BCB7D914AA1218DA9B4442547B88BA29EB5859ABFE7CE5B69875D0A49E75F74F09AAD93B51
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part 28.pdf	807FF534A7F03A510828B55375966A524853FC9870538496D0410526A80BCF96C4EECCB0A304152F509D9225262A769B65531A971DDC5EE0B66033BFA4220407
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part 27.pdf	B4F87C36B6F7330AFED908AA6F92621095FABC41CDAD9B686F5EC6F78377FE95B6D232C6C91CFA011786757113F6E16E39D8769BFE965BD90C21173A5883BB79
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part 29.pdf	14B612449DC0644663A92CD98862EB4A720C2C04E847111847CF9BE66104E73FD80782BA60350039BE25ED9D70273BD9FF6479173F56EA95699C055D1915EE54
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part	332A77721EA9DC9336F73AACD24551BB1D3FAD74481537022A51BA234DB070170512CFFBD8E74B2FEC4D94281635E73342EB1831A427537212067E2E0CC87392

3.pdf	
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part30.pdf	0C5E2758F0B21065B32B8F0D15D49E517A03E9BBE78219706225E45B146D6431D87FEDE4B4980C873BD9AF021D2458D1E32A061F489B8B5F7A9D7474F140F1D2
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part31.pdf	84B1CD0BDE2D42577A75C9C83E10A268AEFC91D119863564E17DF6C4C3164106A14E2274C3DB7D314AACE8CEF5F39BD7740A1C1799B1DF3BE2AC7DA4DC672D1A
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part34.pdf	8E478EF95CA7C9336BF6195B15269B6D716D46323494AAF14DE87EDE230E28496404DA9CBD4ADA0E69E9B3CE0A91E55FB50E3F68895BBEC41D7BFCBEF3DBF0DE
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part32.pdf	D738758AC7840ACD80FDA85ABA83DFFFBC5016421AFDF02B00298C282E87F5B1DC23CDA111CBADFA4D7AC46F882C39034C6B510111D2C3462B89B0CAB74AD378
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part33.pdf	02C6CB230A20E64AF38732F3BF2356F0BB939E4212840071B72BDFAD9093A970C5206F07291D697011FE8A0DE936380DE14E5AE825A53809F3620AD1C466D0E6
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part4.pdf	E0348793BC75481D01845C6DA628ED3F0EA9AAB76F646EE88655C95438BBE5A9E729A54B53C11E169C6CB9DC759D8AAC219B24FE9BB425BDF72C959358B18211
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part5.pdf	5A016112D4A40DEF6418D8CE53AFEBE4E3E5AA82E3A7CAFB2C98A506AF13AAD32B8101121D30C001FA29DCD9A9ACDFF757A294B504E0BE1E188F08B88DC284F2
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part6.pdf	9345CFFB75F1818ED0196E765EDEE9893C1607239A07C8C5F9B390422C8F547841EE0FC369364B982BF0C259ABD2704819E677C1659CE7A01D8741EC0CD91BD1

NPL_114_PGP_Lets_You_Take_Charge_of_Your_Cookies_732305.pdf	632F781427F034CD06000734B2A2AD294151B7C1F503DC183926AC2287266765372FB392DB5C386FFF0EE2323F5F29CB732A575B36EF51724DFDA4462B21913
NPL_115_PGP_Lets_You_Take_Charge_of_Your_Cookies_WIRED_732392.pdf	141C758FB55335FE0A2395D2DA4C380686214198AC2298A241B0E35F47321D7203BEE01A905F8A6685C5F2640375C060A50AAA6EC934435694E68AD88A224B56
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part7.pdf	0D48F0CE31EAFD3E1EB5D984A9D1881AE92B69CCE721E40A41B282FFD0CC8D5E0E55F594CFA8F22989BE7B25C7E5CFCAE58D2F963DD07F2FB2793E1BFE37770D
NPL_117_Post_Engagement_in_Facebook_Ads_732403.pdf	950D4874D6F7C1EA639B60B197BC06AD295E512E8EDAA26C6989837E05725EE1484CF9057B8656BFA459DA058534B1593B3876E88E0662EBBD5EC1785329DC7B
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part8.pdf	3619F4B5A9264EADBF703486A07BDE82D86288F65B211FF1CF0777AF7C57449C082F70597BBA3B6E406E65B802388755888FD0CDC0E68D6CDED5A1409F8D6B1B
NPL_113_PETITION_FOR_INTER_PARTES_REVIEW_OF_US_PATENT_NO_9_732335_Part9.pdf	C505B536D45BC7E6AF4C7679614A41556A39267808ED4319A832EA0C7BF0A39059DF8686FEA7CFF236314E41CF814A6472CE08BDE5BB62DFE70D3F61BE2E56AB
NPL_116_Popup_ads_OK_for_Tripod_CNET_732320.pdf	56CA4DBD5B3C183943668AE727D756DF18FA4CF423A96010D33B79FC676A061B51E6E14D00CDB82793D99BE2B881A465B2623E4949E1274209C66A4AB9248FFC
NPL_118_Safety_Check_Streamlining_deployment_around_the_wo_732287.pdf	6749F76EE1887D72683689D14C990B287BC3293AEA68CA9D267115577E8BF17FA5ADE8106829E438125D97EAF88D38E0547E87B5AD99E73C29CE37534786951 9
NPL_119_Seven_Million_People_Used_Facebooks_CheckIn_Featur_732259.pdf	A45DECD25B04624A23721CF8C6C796ABD443D9467E37CA6D0237C167FC78609DC19534E41D1B3F1DF1048B4117420FC99D79641F964AC9C8EE4E2646D2E73AA8
NPL_11_Audience_Facebook_Ads_732282.pdf	D130D3CFDAE40007794E4032519834 3B5C7456ECF448A17103B5E3ADE157E49BD82EAEB48787CF47368299FF4E2158A6FA3

	E964159ED64F217E94AFC1C8B4089
NPL_121_Social_network_Wikipedia_the_free_encyclopedia_732353.pdf	8063A6AF4E0D275A0764B0C0DFAF556B8805E866AFCF84C87F374A77023A362EEAE83988CEA998DB6DDC1E26F923F5CBA014FD40E6ACAF1129212789B98F693E
NPL_122_Social_Network_Sites_Definition_History_and_Schola_732351.pdf	1DC8018FCE55868595D1F63E7E0E192ECC9F764303A617C0952EB7F6CB7A540DD1BB567872C529DC6A036EC2C991F8F17F607B6DD36E976B261162575455B91D
NPL_123_Stale_Cookies_ClickZ_732316.pdf	D8BD51F4D20FB41CEB06BF0F224E0D8E9C46ED6EE23951A1ABE5BA8CEB16BC87463D0C6309C0C5A0E9481D4D09C5931977B36C3D9122F54048D7903749CC25B3
NPL_120_SitNet_v_Meta_Complaint_and_Exhibits_732223_Part3.pdf	A7564621C8F740AE68D6C53CEC2B7626A3299FD637F80FF8B2F5D671E481FA5030FA1C745B2B094FF2238258044 29BDD6C64BDFAE5F7E3181A3422847 1882BBA
NPL_124_TAO_Facebooks_Distributed_Data_Store_for_the_Socia_732310.pdf	882820 5163D572B0C180F7290F8144C79C0DB982EC5F96C3911A42D6AC01724C654577AC42983DCF3C003DB13AF834560C204A2D09B5528040C5673C46579087
NPL_120_SitNet_v_Meta_Complaint_and_Exhibits_732223_Part0.pdf	9D0B6F3A7D6E0BF02ADC5A33133BD10A7EF7D5D190DF9432D85E7D06A4E852AE6038F998DB1CD8F289F1615D2C415CEC124AF898BA7EECC2BD12A0BB292827FD
NPL_120_SitNet_v_Meta_Complaint_and_Exhibits_732223_Part1.pdf	F716B5DA0B58A69388F943C7B1A71C1BDB22F8986F585C1835D10A36B55A2DAA69164CB641F8958A86A920251FF455D9B67488C5394BF782AE7CBB7FD025A103
NPL_120_SitNet_v_Meta_Complaint_and_Exhibits_732223_Part2.pdf	4FE47A9F51645A9036A786B9E28B9E7F49DD4EA38C6D68ADCE37600A27827D453A50DB8DE5E8A0A5334CDCE706EB934820E5AEA5D41FAC35EF552BA2EB7116E3
NPL_125_TAO_The_power_of_the_graph_Engineering_at_Meta_732417.pdf	4634B1AD33A39203B5AFA2CF550CC03A46E0C4B6F2085D6202D1C0B5C5DF05CB8C006049E96B76D6A72C312D0289FF40A3594D66DE55A795C8AD5C44F07B4966
NPL_127_The_Evolution_of_Google_AdWords_A_38_Billion_7	E5A48BAA2BFD25159FB97524D4C8AC17F6DBCB2E62A5035F175FEA481CCBBE3030D1603CF66C94A92CE208835E9EDE26

32311.pdf	EC631B4ED9DC7FE0B1748EDE4029BDEA
NPL_128_The_FirstEver_Banner_Ad_on_the_Web_732301.pdf	ADAC61BA1E48A825E9B9954463897367722 7D7348D1DFA3FB92947DB5479851C0CA812D7CB2469AAF545C32DC77AF0A4BDDF4546F5915AF8243C1AD898A34B86
NPL_126_The_Building_Collapse_in_Fereej_Bin_Durham_Doha_Qa_732315.pdf	7F551B9A6055004BDDA6334601D1CEEE6B2C4D28275419618 4E7046DD02BAE1BDECB8F4A78937AA1190EE1C744FFFB70ADD82523CAD54BFE7CF7E60F9E075686
NPL_129_The_Google_Online_Marketing_Challenge_Classroom_Le_732313.pdf	BF63A5BF8A6F2EAA248F7BB2C95AD7E8CCA83BEB0691BBDE906563BF02DBA99BAE4410ACDDB7E54BF533CA92B6CB25CDA322DAEEF073300DEADC0227A2481DA7
NPL_12_Basic_Targeting_Meta_Marketing_API_732408.pdf	F56CC274FEF0C6D14D16EF08B45D521C5DA668C54F9DCD41 099F126708AE638B7402AE7BB4697FE0ADC434724A61A01F7CFFC85C46CF76132F9EC285E14A6B55
NPL_130_The_Google_Online_Marketing_Challenge_732400.pdf	66627EF5F58F515FBB8A480CA7D688122AB178B8AE060D7F345C577CAB7592C0F3630B45FCDF21549EFDAD702A844978995C04502EB0A92445AAB4322DD5D3C8
NPL_133_The_Tao_of_Facebook_Social_Graph_Takes_New_Path_732312.pdf	0634F6888CF27E236299714C65D636D06280900A76AC177C85F39406CDDD60DBBFEED4138447FDAFC9F81B6D77E4241008D858BA5493176FE42E3246EFFCB5D9
NPL_134_The_Wayback_Machine_732372.pdf	0E233D25E6320F6B7F398649464EB806775D45A56C31658DB86335417C179BAFD93DA9FC8FB2A7326EBAD2C887006FF4614393AE79E09FE4070E0FAB85886415
NPL_135_Unintrusive_customization_techniques_for_web_adver_732324.pdf	D03FCE148DDE6AE4A80531562203AC1875F9E38ECA655B91FE3C5F64DD7E43E298BDD516FA38752C58C0503AD87D605E350AF309A0A567653DDBBBCB008AAFD6
NPL_137_View_insights_about_reactions_to_your_ad_732393.pdf	10E953B2D364BB32918CF3AC5401FCE50794B82953161D8A59AC662A2E8318CBA4FF5701B735818147CA6607C315D02CDC249D3473C70FBCF9072C9AE3CC3F52
NPL_131_The_History_of_Online_Advertising_732303.pdf	83BB184BA8FC11454FC0DB97ED60C31CE49599664A16F9BAA4A8E439E1511D05F0659777B09BF5E69B19BB91DC446183142

	47129541283CD70BD893EBEC68794
NPL_136_Updated_sciencewide_author_databases_of_standardiz_732270.pdf	9BA5AA635B37CCE497C56D70EA88FDBA1AE7387E6930CACF42FCEEE70BF5F3F31050ECFB4B7C75C7EF4E705D6F22B8EAD816013CEF2BFFAC0BEDD872C93F7AD1
NPL_132_The_History_of_Online_Advertising_Adpushup_732391.pdf	6BEF6A6BFC9DD7173C21BB19957E5B0823CA0161EB670AA1B42B02E1731BEAF1950185D969264FFDB20540FD3CB49C94AF456E693D230C5203DE7799AE4F5952
NPL_138_WAP_Wireless_Application_Protocol_TechFAQ_732386.pdf	5DCCBE5B476854FB5C9BD359AF23132028E2BDE7B50E436F1AF51166FA0986B89094735C17F6F186AE9B78735AE37AB9089DAD498BAFD0375CA95CF70D21E70C
NPL_139_What_are_CalltoAction_Buttons_in_Meta_Ads_Manager_732495.pdf	C298EFFD1A596A9CBC8B006FB2C881B1D3E3DCE7CC409A2A95596C0EFA4D8F8E1496287C2DE2A2E1898400ECDB2E1A81E1180D1D3F7704A2E6707D13F6723A19
NPL_13_Best_Practices_for_Optimizing_Web_Advertising_Effe_732288.pdf	B79D2AE344B551E954F680B66B0DFFCE890B6A1D35A4802577A63EBC27DC168644621B98A09E0954DBE6F9A3CACDE65CC2D7D4524474D7FC12F77CAD044705E4
NPL_140_What_are_GPS_coordinates_and_how_do_they_work_732281.pdf	0F3E6C141AA25E762B2A41AE934F3C942D804E6EF4B2B2A475B63A7C391BE11E1C7C6A0AD9B296B9FD9AF80370C25F90738B810998B15AA94CC527A8D28A2F2B
NPL_141_What_are_some_things_I_can_do_to_stay_safe_on_Face_732300.pdf	1A6D4C6E05636F8C2AE8DF38A1EF17C7CCCD957003F3C76264B0D09FDC9C46D27F04DDFC0D81BE690FD96C653A15D76CBA8749038F7E4F43F637C736CDFB8EAC
NPL_142_What_is_a_Facebook_Pixel_Metas_tracking_tool_expla_732401.pdf	BA731472328C24E3FC8265572AFB55A54C80BA72567A55EE1BA70BEC5488EC3975EABB40CE367F5CA1729B851682F955C843D326AD2F8CC281B73134185ECD30
NPL_143_What_is_a_Web_Browser_Definition_from_Techopedia_732371.pdf	BB7E74E6671C72ABC1EFDC974A72B73000059AD035E04FB2E3582E3F748F12CDEE8E256A5D33D4508B74B8B13A46C2AFEB9F126691EA6027728B604DB500CA15
NPL_144_What_is_an_ad_server_732294.pdf	8D952F77D5B15697CFFA5A373ADFFFA0D93B21AC77C7898369198200EE405EAA9719B617E5DF525EA6405FB3EE46506B842

	9A425A4E62E55325837E6B641555E
NPL_145_Why_were_buying_DoubleClick_732279.pdf	BF343C3087E12CB509294BEFEE7353335C2A764665FA941B20FBF5A0089BAC38A1B52B21C309E82361DF7E25550729B22A26DF1B941FBF8A545EB00354424 3D6
NPL_14_Best_practices_to_advertise_your_event_to_your_pre_732368.pdf	F1803871E52258D88F2B2D1A8671820C2DEE0B8CEB2638FD1C5B52C2C0584204C722219C12C9F34E0772D9B9268E8E4744139D4DC9CAEB59F2A7FA97036A8054
NPL_15_Complaint_SDNY123cv06389_732296.pdf	ECFA7B062DBC43DDE9770FD1D0C222A4B34B5EEBD1B0BF36B5830E5F926B1346133DEE6FFEF469A2249325482443 54CD345A65CA517099AF1E744224E119C540
NPL_16_Consumer_Attitudes_Toward_Mobile_Advertising_An_Em_732283.pdf	B02E0EDD16539C4EC7C6585FA1C7AB12C8063D1FD97696EC6A4854FE5274A78BBA853BD03E4C1525D95E9BC94C1942A6F17130507016D97188381477634 4DC38
NPL_17_Create_an_ad_set_in_Meta_Ads_Manager_732388.pdf	F2804227DF8C9E7F4BF9D850C53E172372958DF3F6E85A7FCE5E1A804C4216011D17D81CF8F5549187253681977DFFF2C2410CB4B3FE312165BA37D217D5A4EC
NPL_18_Crisis_Response_Facebook_Help_Center_732494.pdf	34D9120B65238927BA6604F4CBD1C78A5693766CAEA13CB38F0C77D0781922B41FC4C5EC8822A25EC5D183D578136C92E7D65A32034863B61C6A061EE53C1DDB
NPL_1_A_Brief_History_of_Online_Advertising_732299.pdf	AB4517C323227C0A33C70C8EE8BDF9648E48C4817ADED81214AE15AEDF5CC6018FA57CDC150B520E10E0C4DE4F04F22D9372C8A6E37FB408EF03D951DF7329C1
NPL_19_Crisis_Response_The_Silverado_Fire_in_Orange_Count_732359.pdf	561204BD6A886109D94B4AD3D65F33C673C644E82EB03AC933921D6A01DC3199921DED47BB83E30A0C65EF57F7E8F12F0591F5C04D17407AEC8F63FC50E4653E
NPL_20_Crisis_Response_The_Simpson_Road_Fire_in_Logan_Cou_732365.pdf	1304516048F8A72977B0A14F6E8DDD1938C486D051CF9CD4B69AFE4C917D9255A78417F14C714CFC8C117F7CAC5D785E30056A9B64848F133EBEA375410ABB36
NPL_22_DECLARATION_OF_BERNARD_J_JANSEN_PHD_I	68F3E0FF9F15D492E393AB7E96F913D45CDFB4E989CF59E14B4CD0B9D45AF86341BA598286904FEC618DF4A2A03FA374AE

N_SUPPORT_OF__732268.pdf	A01F5FF164D2EC3D2C1E5ECF78C665
NPL_21_DECLARATION_OF_BERNARD_J_JANSEN_PHD_IN_SUPPORT_OF__732363.pdf	3A03883ECDB90BCD768F2029CB62AB7689A66AEA985A295EE4363F8366EF1939EBE1BCFC8AA012AD1616559602DC26BD70542C0709F02D1179D7179FEA36DCDC
NPL_23_DECLARATION_OF_DR_JEREMY_COOPERSTOCK_IN_SUPPORT_OF_732332.pdf	146B94DE315A09C982585452C7CC036DF7B52EE70093B3255B571449B13D633076F84F3070BF2C434D698AAD0254BAFA6BE166FDAE38879528F84C18289439EF
NPL_24_DECLARATION_OF_DR_JEREMY_COOPERSTOCK_IN_SUPPORT_OF_732346.pdf	7AFE062F8256A48194895F262174DEB04B4FFDB311CF409CA35FA91DC5E87A573BD75FE07420A81C236886083AC7EA2A7B88AF081D0F002ECAA5287C1B0F459E
NPL_26_Detecting_Hit_Shaving_in_ClickThrough_Payment_Sche_732326.pdf	068365CAFCF34F707372E5C19B092B5E8461FE152942121C00D4C4A53133E6C74363BEA9FF3F1EB272C7E62AF75807B7D321B10CD1F18500847B38EA913F41F3
NPL_25_DECLARATION_OF_DR_JEREMY_COOPERSTOCK_IN_SUPPORT_OF_732337.pdf	8D87EE11E508D0C52CD7C9E4C081D9672CC60063797B0A2A139C479776771C53DB9A7D240A63E5D93D9876076853F52DD50A7EBA0A0BB8055C82B73D76A18777
NPL_27_Doc_25_NOTICE_OF_METAS_MOTION_TO_DISMISS_732226.pdf	4685E295B93BC61D9DE7E435E430A16D4224CA66B04C4EB5EE21775F34517EE5C241DC1A00959E77CE50C35E25738F82EB4090A2AFF542F681A174F9E6207DF9
NPL_28_Doc_251_EXHIBIT_TO_FED_R_CIV_P_12b6_MOTION_TO_DISM_732418.pdf	B6CE3D4906731071E9E2CDC884E5908CA2D21957EB31373C47D0821A48BFC3AC88870D17D08421125D9D3754D8D8AFD10AABF7FD3ACB573D969BC8961DF808FF
NPL_29_Doc_252_PROPOSED_ORDER_GRANTING_METAS_MOTION_TO_DI_732419.pdf	066C7ABF9C27C1B1E06C5002D7F81B3FFC39290DB4F6BB259231518B456CDF5C6C29C52D1A43D846D0743A3CEF5BD0C09963BA4D1689222210AFE0DE56FEAF02
NPL_2_A_New_Center_for_Crisis_Response_on_Facebook_732492.pdf	E4E85C7125400490E993B6C744C5AADB94606E0E03F5AF13DC91D95055A884064012BF1BC8D2D19C6BDC8CA48E234A7714B287CE67F065E96FCB154C8557A922

NPL_30_Doc_26_NOTICE_OF_METAS_MOTION_TO_DISMISS_732227.pdf	3C290B03B4F2DD49A2DCD82160E4725165CA25EEAD6BF8A9095C0F2F3683B1168D293107E01488145CFCBF9A323E71062A95662CE5578FBCA1514BBA79B68FD8
NPL_31_Doc_261_PROPOSED_ORDER_GRANTING_METAS_MOTION_TO_DI_732420.pdf	B0C1F40E3171FFEFF251E8B8D77A0760BB0C51BBAE3050740FC48AF832E1897624E633476E2E9F9A4994DF2D54F881CD424F1B6C0AA794AF538DD4576FD63996
NPL_32_Doc_27_MEMORANDUM_OF_LAW_IN_SUPPORT_OF_METAS_MOTIO_732228.pdf	595919B3BE420110845C66038D2D547E528A9A703E872A3276D0D930D18B8C9772E92D8148212B56F6406F3F9E8CCDD777581607D8374465FC4853FF34A52EAE
NPL_33_Doc_28_DECLARATION_OF_DANA_M_SESHENS_IN_SUPPORT_OF_732229.pdf	283A1D4DF94F614C554DD6EF153B9B099F1887ADA2EEB94D4649248A1B74661FC886B8AEB2679BB8AC30D5FBF8A984803E57AEF4B2E05FE19619BD2AC1E48E69
NPL_34_Doc_281_EXHIBIT_TO_FED_R_CIV_P_12b6_MOTION_TO_DISM_732421.pdf	6C6475515819C894FD11F3A8196CF8B65E520B1B316E1BA0FE94F2A3C5945D233B81185A7B727FF6911AAC3A3F1D8C1D93F5B47A0A35B66FF47FDEE335051B3C
NPL_36_Doc_283_EXHIBIT_TO_FED_R_CIV_P_12b6_MOTION_TO_DISM_732423.pdf	166288C01E325CCE887F733018A64B94198CEAD264B432F1B715553BD55D4FBA3E2A6463B09C155E309833119C02AF0B5C2338744D4C328AEAE2DF4F188D608E
NPL_35_Doc_282_MEMORANDUM_OF_LAW_IN_SUPPORT_OF_METAS_MOTI_732422.pdf	7E093A547B6122123792 70C626331C55D6541BD29ADB0069E16451D1B94A63644D1DE0F8B94C6DC1CAF387A81FF16DFDCA33FD28722CB21262DF19E166FDAFB4
NPL_37_Doc_40_PLAINTIFFS_MEMORANDUM_OF_LAW_IN_OPPOSITION__732230.pdf	D9AC1004FB952D2E086E552C2E35045011B6BD2B22FC5201551AE9824A8A6FF03A446A8BB3AB81CA166C76690A169170FD7456F030D8BC3AABEF84EFCBE4E7D6
NPL_38_Doc_401_Appendix_A_Comparison_with_Patent_Ineligib_732424.pdf	80E5706A7AE79FC740B0DB34CF2F52D83079788F75308697D367EA64A23E7D4A0E39BB69A4FFB7ED0C90595B7F60B9C4C7FF65ACA388CBAC7F7F7371B902E7A5
NPL_39_Doc_402_Appendix_B_Comparison_with_Patent_Eligible_732425.pdf	A4C17F3DAEB3E5D8B7168D5D6857D1615A85C2F24548A127F5E343BA3B75820E1C54CB56D5BC77BACA88EA8A6B35005353DA8CCAAF68C436165B647D8C618B59

NPL_3_A_Systematic_Review_on_Search_Engine_Advertising_732292.pdf	786A13B255E24B8F5DFB0FCCD62DD9F28B55F6D65AA036B39756E172B9757F4D736C83DEA58E72FF8ED55846C61AD8B8DF116CD2F4E18C294765A7CC6103FD94
NPL_40_Doc_403_Appendix_C_Responsive_Rule_8Gi_Chart_732426.pdf	A83B3DCB5FFA4DBA036D3ED6E549750EC86BEC0AEF3EC2599D883BE5ED04015BF60EBD9167154B8C8D710E314ADE3421ED723B8883D1614374CE2522CC264B70
NPL_42_Doc_411_Exhibit_A_Claim_Comparison_Chart_732427.pdf	434F48F7960B81653E42284A41D4FE1DA9511954D4313E6167FEC4DB5078B1B78680AD8BEC8D26CA5735EF2EDBECC5F1A07EDC66B72ECA8B21E04F9A8B466F31
NPL_41_Doc_41_REPLY_IN_SUPPORT_OF_METAS_MOTION_TO_DISMISS_732231.pdf	F07126E8AE8CE2E27FE702D81F07B5E0764E51CD8BA9B4245A88D55C7E71E7112292FE7070F3B9FC67CE5FA4325338ABB11ABDAA74D56859C9080EC1D3BA9AAA
NPL_43_Doc_51_Opinion_and_Order_732232.pdf	6CCB3EC7C5B4934EA69CD7814A859AB8B43365BCCA6C2F4D6E23B3160FB1A0E8D105FF54024F64CA4F39F3433523806618ECCB957E18834E22A1B75D14D200AE
NPL_44_Doc_56_METAS_ANSWER_TO_PLAINTIFFS_COMPLAINT_732233.pdf	0251B836F65F9CAA67CC322D0F4DEF7F25E060147ABBF0B116C8D9CB3716828FD5B0944332B616D5F55944D05486CE9B059F3B48615F863B9DB3D4788A8F6EDB
NPL_46_Doc_571_JOINT_APPENDIX_TO_THE_JOINT_CLAIM_CONSTRUC_732428.pdf	ED7AA0079A91515388CBAEE4474FAFA6EBD697A41782F52CB9803D75F523A4549AFD81EB7A5743B83D325454C98D7C5A9EF4E61FE66706A39D109BB71E31CFF4
NPL_45_Doc_57_JOINT_CLAIM_CONSTRUCTION_BRIEF_732234_Part0.pdf	3AD8F1E1408680099B35998EF2F141013A53EA2F1295B317959CE6E0B36CCEC18AFB315A3C8FB6D4535BF0E4F4322BB6252F4FB8DD0786F06F22FF11C0C3FBA6
NPL_45_Doc_57_JOINT_CLAIM_CONSTRUCTION_BRIEF_732234_Part1.pdf	597DB1325B2756E8391A22570C8E8325BCC66458D1C898BF5F51E68D5CB19A591DACAC79534ADDA03C2B1FF28BE95A05B99AB5041E6F4591F16D4D555FB331DB

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

Notice of References Cited	Application/Control No. 18/639,859	Applicant(s)/Patent Under Reexamination Cona et al.	
	Examiner DUSTIN NGUYEN	Art Unit 2446	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date YYYY-MM-DD	Name	CPC Classification	US Classification
*	A	US-20050129240-A1	2005-06-16	Balfanz, Dirk	H04L63/06	380/270
*	B	US-20030181209-A1	2003-09-25	Forte, Stephen P.	H04W76/50	455/426.2
*	C	US-20020116485-A1	2002-08-22	Black, Darryl	H04L41/344	709/227
*	D	US-6028514-A	2000-02-22	Lemelson, deceased; Jerome H.	G08B21/028	340/8.1
	E					
	F					
	G					
	H					
	I					
	J					
	K					
	L					
	M					

FOREIGN PATENT DOCUMENTS

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

NON-PATENT DOCUMENTS

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

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

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	18/639,859	Cona et al.
	Examiner	Art Unit
	DUSTIN NGUYEN	2446

CPC - Searched*		
Symbol	Date	Examiner
H04L 41/344; 63/06	06/28/2024	DN
H04W 76/50	06/28/2024	DN
G08B 21/028	06/28/2024	DN

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

Search Notes		
Search Notes	Date	Examiner
inventor name search	06/28/2024	DN
search results from related applications	06/28/2024	DN
review double patenting rejection	06/28/2024	DN
search PE2E	06/28/2024	DN

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

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	18/639,859	Cona et al.
	Examiner	**Art Unit**
	DUSTIN NGUYEN	2446

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

CLAIMS										
☐ Claims renumbered in the same order as presented by applicant			☐ CPA		☐ T.D.		☐ R.1.47			
CLAIM		**DATE**								
Final	Original	06/26/2024								
	2	✓								
	3	✓								
	4	✓								
	5	✓								
	6	✓								
	7	✓								
	8	✓								
	9	✓								
	10	✓								
	11	✓								
	12	✓								
	13	✓								
	14	✓								
	15	✓								
	16	✓								
	17	✓								
	18	✓								
	19	✓								
	20	✓								
	21	✓								
	22	✓								
	23	✓								
	24	✓								
	25	✓								
	26	✓								
	27	✓								
	28	✓								
	29	✓								
	30	✓								
	31	✓								

PTO/SB/08a (01-22)
Approved for use through 05/31/2024. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

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

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

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

FOREIGN PATENT DOCUMENTS Remove

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

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

NON-PATENT LITERATURE DOCUMENTS Remove

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

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	1	Meta Complaint FINAL 6 21 22	☐
	2	Meta Marketing API	☐
	3	Network Analysis - Some Basic Principles	☐
	4	Official Events API - Facebook Pages API	☐
	5	Official Google Blog - Why we're buying DoubleClick	☐
	6	ONLINE FORUMS SUPPORTING GRASSROOTS PARTICIPATION in Emergency Preparedness and Response	☐
	7	Overview - Graph API	☐
	8	Overview - Meta Marketing API	☐
	9	PETITION FOR INTER PARTES REVIEW OF CLAIMS 1–11, 22, AND 23 OF U.S. PATENT NO. 8,249,932 & Exhibits	☐
	10	PETITION FOR INTER PARTES REVIEW OF CLAIMS 12–21 OF U.S. PATENT NO. 8,249,932 & Exhibits	☐
	11	PETITION FOR INTER PARTES REVIEW OF U.S. PATENT NO. 11,470,682 & Exhibits	☐

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	12	PETITION FOR INTER PARTES REVIEW OF U.S. PATENT NO. 8,332,454 & Exhibits	☐
	13	PETITION FOR INTER PARTES REVIEW OF U.S. PATENT NO. 9,877,345 & Exhibits	☐
	14	PGP Lets You Take Charge of Your Cookies	☐
	15	PGP Lets You Take Charge of Your Cookies_WIRED	☐
	16	Pop-up ads OK for Tripod - CNET	☐
	17	Post Engagement in Facebook Ads	☐
	18	Safety Check - Streamlining deployment around the world	☐
	19	Seven Million People Used Facebook's Check-In Feature After Nepal Earthquake	☐
	20	SitNet v Meta Complaint and Exhibits	☐
	21	Social network - Wikipedia, the free encyclopedia	☐
	22	Social Network Sites - Definition, History, and Scholarship	☐

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	23	Stale Cookies - ClickZ	☐
	24	TAO - Facebook's Distributed Data Store for the Social Graph	☐
	25	TAO - The power of the graph - Engineering at Meta	☐
	26	The Building Collapse in Fereej Bin Durham, Doha, Qatar	☐
	27	The Evolution of Google AdWords – A $38 Billion Advertising Platform	☐
	28	The First-Ever Banner Ad on the Web	☐
	29	The Google Online Marketing Challenge	☐
	30	The Google Online Marketing Challenge - Classroom Learning with Real Clients, Real Money, and Real Advertising Campaigns_JIAD	☐
	31	The History of Online Advertising	☐
	32	The History of Online Advertising - Adpushup	☐
	33	The Tao of Facebook - 'Social Graph' Takes New Path	☐

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	34	The Wayback Machine	☐
	35	Unintrusive customization techniques for web advertising	☐
	36	Updated science-wide author databases of standardized citation indicators	☐
	37	View insights about reactions to your ad	☐
	38	WAP (Wireless Application Protocol) - Tech-FAQ	☐
	39	What are Call-to-Action Buttons in Meta Ads Manager	☐
	40	What are GPS coordinates and how do they work?	☐
	41	What are some things I can do to stay safe on Facebook when requesting and offering help in Crisis Response_Facebook Help Center	☐
	42	What is a Facebook Pixel_Meta's tracking tool, explained	☐
	43	What is a Web Browser - Definition from Techopedia	☐
	44	What is an ad server	☐

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	45	Why we're buying DoubleClick	☐

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

EXAMINER SIGNATURE

Examiner Signature	/DUSTIN NGUYEN/	Date Considered	06/26/2024

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

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

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☐ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Maxim Rapoport/	Date (YYYY-MM-DD)	2024-05-30
Name/Print	Maxim Rapoport	Registration Number	67,675

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

Privacy Act Statement

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

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

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

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

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

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

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

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

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

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

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

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

PTO/SB/08a (01-22)
Approved for use through 05/31/2024. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

U.S.PATENTS						Remove
Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	5835907	A	1998-11-10	NEWMAN BRIAN	
	2	6028514	A	2000-02-22	LEMELSON et al.	
	3	6091956	A	2000-07-18	HOLLENBERG DENNIS D	
	4	6112074	A	2000-08-29	PINDER ELLIS ARTHUR	
	5	6295001	B1	2001-09-25	BARBER JERRY KEITH	
	6	6424840	B1	2002-07-23	FITCH et al.	
	7	6542750	B2	2003-04-01	HENDREY et al.	
	8	6563910	B2	2003-05-13	MENARD et al.	

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	9	6594355	B1	2003-07-15	DEO et al.	
	10	6600928	B1	2003-07-29	AHYA et al.	
	11	6785681	B2	2004-08-31	KESKAR et al.	
	12	6788766	B2	2004-09-07	LOGAN JAMES D	
	13	6826472	B1	2004-11-30	KAMEI et al.	
	14	6947754	B2	2005-09-20	OGASAWARA KOICHI	
	15	6970871	B1	2005-11-29	RAYBURN TERRY	
	16	7026925	B2	2006-04-11	ROCHE et al.	
	17	7027055	B2	2006-04-11	ANDERSON et al.	
	18	7058385	B2	2006-06-06	LAUPER ERIC	
	19	7084775	B1	2006-08-01	SMITH MICHAEL R	

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	20	7085818	B2	2006-08-01	BROWN et al.	
	21	7091829	B2	2006-08-15	LEE HONG-KYU	
	22	7139722	B2	2006-11-21	PERRELLA et al.	
	23	7151939	B2	2006-12-19	SHEYNBLAT LEONID	
	24	7177398	B2	2007-02-13	MEER et al.	
	25	7181346	B1	2007-02-20	KLEIST et al.	
	26	7194249	B2	2007-03-20	PHILLIPS et al.	
	27	7221928	B2	2007-05-22	LAIRD et al.	
	28	7231220	B2	2007-06-12	REDDY et al.	
	29	7233974	B2	2007-06-19	KAWAHARA et al.	
	30	7239871	B2	2007-07-03	SHAMP et al.	

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	31	7242948	B2	2007-07-10	FLEISCHER et al.	
	32	7245925	B2	2007-07-17	ZELLNER SAMUEL N	
	33	7254607	B2	2007-08-07	HUBBARD et al.	
	34	7266558	B2	2007-09-04	GRAY MICHAEL D	
	35	7283045	B1	2007-10-16	MANZ PAUL C	
	36	7317705	B2	2008-01-08	HANSON JOEL	
	37	7487112	B2	2009-02-03	BARNES JR MELVIN L	
	38	7523191	B1	2009-04-21	THOMAS et al.	
	39	7532900	B2	2009-05-12	WILSON et al.	
	40	7557689	B2	2009-07-07	SEDDIGH et al.	
	41	7644144	B1	2010-01-05	HORVITZ et al.	

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	42	7672281	B1	2010-03-02	HUMPHRIES et al.	
	43	7676233	B1	2010-03-09	REHKOPF THOMAS W	
	44	7711475	B1	2010-05-04	CONA et al.	
	45	7768395	B2	2010-08-03	GOLD STEVEN K	
	46	7812717	B1	2010-10-12	CONA et al.	
	47	7860519	B2	2010-12-28	PORTMAN et al.	
	48	8000893	B1	2011-08-16	CONA et al.	
	49	8036632	B1	2011-10-11	CONA et al.	
	50	8045455	B1	2011-10-25	AGRONOW et al.	
	51	8229458	B2	2012-07-24	BUSCH JAMES DAVID	
	52	8230456	B2	2012-07-24	JACOBY et al.	

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	53	8248986	B2	2012-08-21	CROLLEY et al.	
	54	8254338	B2	2012-08-28	ANSCHUTZ et al.	
	55	8275397	B2	2012-09-25	HUSTON CHARLES D	
	56	8346864	B1	2013-01-01	AMIDON et al.	
	57	8358609	B1	2013-01-22	CONA et al.	
	58	8572059	B2	2013-10-29	BRITTON et al.	
	59	8826139	B1	2014-09-02	WENDKOS et al.	
	60	9143535	B1	2015-09-22	CONA et al.	
	61	10117290	B1	2018-10-30	CONA et al.	
	62	10375759	B1	2019-08-06	CONA et al.	

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

U.S.PATENT APPLICATION PUBLICATIONS Remove

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	20010009857	A1	2001-07-26	VANTTINEN VEIJO	
	2	20010032100	A1	2001-10-18	MAHMUD et al.	
	3	20020004705	A1	2002-01-10	BARON et al.	
	4	20020075155	A1	2002-06-20	GUILLORY ANDRE P	
	5	20020091692	A1	2002-07-11	YOSHIDA et al.	
	6	20020107029	A1	2002-08-08	CAUGHRAN et al.	
	7	20020160745	A1	2002-10-31	WANG RAY	
	8	20020161838	A1	2002-10-31	PICKOVER et al.	
	9	20020177428	A1	2002-11-28	MENARD et al.	
	10	20020181684	A1	2002-12-05	LOGAN JAMES D	

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	11	20030006912	A1	2003-01-09	BRESCIA PAUL T	
	12	20030148774	A1	2003-08-07	NAGHIAN et al.	
	13	20030162557	A1	2003-08-28	SHIDA DAIKI	
	14	20030197615	A1	2003-10-23	ROCHE et al.	
	15	20040023666	A1	2004-02-05	MOON et al.	
	16	20040039807	A1	2004-02-26	BOVEDA et al.	
	17	20040070515	A1	2004-04-15	BURKLEY et al.	
	18	20040193617	A1	2004-09-30	ADLER ROBERT M	
	19	20040225733	A1	2004-11-11	TESINK et al.	
	20	20050009508	A1	2005-01-13	GRASKE et al.	
	21	20050033511	A1	2005-02-10	PECHATNIKOV et al.	

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	22	20050096840	A1	2005-05-05	SIMSKE STEVEN J	
	23	20050132016	A1	2005-06-16	BOONE JOAN P	
	24	20050135428	A1	2005-06-23	HELLGREN VESA	
	25	20060031582	A1	2006-02-09	PUGEL et al.	
	26	20060079200	A1	2006-04-13	HIROUCHI et al.	
	27	20060109113	A1	2006-05-25	REYES et al.	
	28	20060126556	A1	2006-06-15	JIANG et al.	
	29	20060211404	A1	2006-09-21	CROMP et al.	
	30	20060273893	A1	2006-12-07	WARNER CHRIS J	
	31	20060274743	A1	2006-12-07	YEGIN et al.	
	32	20060287872	A1	2006-12-21	SIMRELL ROY	

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	33	20070021981	A1	2007-01-25	COX JAMES	
	34	20070032247	A1	2007-02-08	SHAFFER et al.	
	35	20070035388	A1	2007-02-15	MOCK et al.	
	36	20070035612	A1	2007-02-15	KORNELUK et al.	
	37	20070159355	A1	2007-07-12	KELLY et al.	
	38	20070161382	A1	2007-07-12	MELINGER et al.	
	39	20070192116	A1	2007-08-16	LOVITT JOHN H	
	40	20070202927	A1	2007-08-30	PFLEGING et al.	
	41	20070206773	A1	2007-09-06	BRANAM MICHAEL	
	42	20070208837	A1	2007-09-06	TIAN et al.	
	43	20070209054	A1	2007-09-06	CASSANOVA JEFFREY	

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	44	20070216535	A1	2007-09-20	CARRINO JOHN	
	45	20070226034	A1	2007-09-27	KHAN SAMEER	
	46	20070255785	A1	2007-11-01	HAYASHI et al.	
	47	20070276908	A1	2007-11-29	ASTHANA et al.	
	48	20070282621	A1	2007-12-06	ALTMAN et al.	
	49	20080037576	A1	2008-02-14	HWANG et al.	
	50	20080046511	A1	2008-02-21	SKRENTA RICHARD	
	51	20080048851	A1	2008-02-28	REYES et al.	
	52	20080086219	A1	2008-04-10	EVANS et al.	
	53	20080139218	A1	2008-06-12	DUAN XIAOQIN	
	54	20080169920	A1	2008-07-17	SPENCE PERRY S	

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	55	20080208605	A1	2008-08-28	SINHA et al.	
	56	20090015467	A1	2009-01-15	KWON et al.	
	57	20090024726	A1	2009-01-22	JEON et al.	
	58	20090030927	A1	2009-01-29	CASES et al.	
	59	20090135758	A1	2009-05-28	ALPER et al.	
	60	20090213001	A1	2009-08-27	APPELMAN et al.	
	61	20090235305	A1	2009-09-17	PUGEL MICHAEL ANTHONY	
	62	20090254944	A1	2009-10-08	WATSON et al.	
	63	20090325535	A1	2009-12-31	FELT et al.	

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

FOREIGN PATENT DOCUMENTS Remove

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

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	1	2006-085250	JP	A	2006-03-30	HITACHI INT ELECTRIC INC	English Abstract Submitted	☐
	2	00/69132	WO	A1	2000-11-16	VISTA GROUP PTY LTD		☐

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

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T5
	1	“Notifyl/Severe Weather Alerts” Web Pages; www.weather.com, Jul. 12, 2007, 5 pgs.	☐
	2	BIEVER, Celeste, "My Space-style websites, perfect for disaster survival", NewScientistTech.com, February 15, 2007, 2 pgs.	☐
	3	Dane County Department of Emergency Management Warning System, Oct. 23, 2006, www.countyofDane.com, 10 pgs.	☐
	4	Hales, David, et al, "Friends for Free: Self Organizing Artificial Social Networks for Trust and Cooperation", University of Bologna, Italy, Aug. 2005, 20 pgs.	☐
	5	HARRISON, Jeff, "Location Based Social Networking for Crisis Management", 2006, www.thecarbonproject.com, 24 pgs.	☐
	6	JACKSON, Joab, "Disaster Prediction Social Networking Boosted by Geo-Data Feeds", http://news. nationalgeographic.com; October 19, 2006, 5 pgs.	☐
	7	KIM, Ryan, "Hey Baby, want a dale?", www.sfgate.com, July 23, 2005, 3 pgs.	☐

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	8	Nena Technical Requirements Document for Location Information to Support IP-Based Emergency Services, Nena 08-752 Issue 1, Dec. 21, 2006, 33 pages.	☐
	9	Phillips, Brenda D. Ph.D, et al, "Social Science Research Needs: A Focus on Vulnerable Populations, Forecasting and Warnings", Feb. 2006, Hurricane Forecast Socio-economic Workshop, Pomona, CA, 11 pgs.	☐
	10	Press Release, "WeatherBug and SendWorkNow Launch Smart Notification, Weather Service to Deliver Nation's First Location Based, 2-way Mobile Weather Alerts and Notifications Based on Live WeatherBug Network Data", Jun. 12, 2006, www.aws.com, 6 pgs.	☐
	11	Schneiderman, Ben, Preece, Jennifer; "911.gov", Feb. 16, 2007, Science Magazine, vol. 315, p. 944, www.sciencemag.org, 1 pg.	☐
	12	Share your world with ((Echo))MyPlace and CarbonCloud, Jul. 15, 2007, www.thecarbonproject.com, 4 pgs.	☐
	13	Social Networking, What you need to know, INConnect Spring, 2007, www.ena.com, 8 pgs.	☐
	14	SYDELL, LAURA "What are you doing? Twitter Offers a Megaphone", May 21, 2007, http://www.npr.org/templates/story, 1 pg.	☐
	15	Web Pages, Send Word Now; http://www.sendwordnow.com, Jul. 19, 2007, 11 pgs.	☐
	16	Ziv et al., "An Exploration on Mobile Social Networking: Dodgeball as a Case in Point", Department of Management Polytechnic University IEEE Conference Proceedings, MBusiness Conference, Jun. 26, 2006, 1-7 pgs.	☐

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

EXAMINER SIGNATURE

Examiner Signature	/DUSTIN NGUYEN/	Date Considered	06/26/2024

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

EFS Web 2.1.18

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

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

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☐ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Maxim Rapoport/	Date (YYYY-MM-DD)	2024-05-02
Name/Print	Maxim Rapoport	Registration Number	67,675

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

Privacy Act Statement

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

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

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

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

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

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

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

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

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

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

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

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

PTO/SB/08a (01-22)
Approved for use through 05/31/2024. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

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

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

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

FOREIGN PATENT DOCUMENTS Remove

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

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

NON-PATENT LITERATURE DOCUMENTS Remove

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

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	1	Doc 57-4 - Exhibit 3 Merriam-Webster's Collegiate Dictionary	☐
	2	Doc 57-5 - Exhibit 4 Dictionary of Computing_Collin	☐
	3	Doc 57-8 - Exhibit 7 Computer Jargon_Martin	☐
	4	Doc 57-9 - Exhibit 8 Newton's Telecom Dictionary	☐
	5	Doc 58 - AMENDED JOINT CLAIM CONSTRUCTION CHART	☐
	6	Edit information on your Facebook profile and choose who can see it	☐
	7	Engagement Custom Audiences - Meta Marketing API	☐
	8	Estimating the Capacity of the Location–Based Advertising Channel	☐
	9	Event and Local Ads - Meta Marketing API	☐
	10	Facebook Activates Safety Check After 8 Killed in New York City Rampage	☐
	11	Facebook activates Safety Check for NYC explosion	☐

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	12	Facebook Expands 'Safety Check' To Facilitate Aid In Emergencies	☐
	13	Facebook OCP 2S Server Tioga Pass Refresh	☐
	14	Facebook Pixel Events	☐
	15	Facebook releases Safety Check crisis response tool for Workplace	☐
	16	Facebook turns Safety Check over to its users	☐
	17	Facebook Unveils Facebook Ads	☐
	18	From the original banner to Tosh.0 - The hits and misses of publisher ad plays	☐
	19	From the original banner to Tosh_0 - The hits and misses of publisher ad plays	☐
	20	Get Started_Facebook Ads	☐
	21	Google Acquires Applied Semantics	☐
	22	Google Buys DoubleClick for $3.1 Billion	☐

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	23	Google Buys DoubleClick for $3.1 Billion - The New York Times	☐
	24	Google Timeline - The New York Times	☐
	25	Handbook for the Palm V™ Organizer	☐
	26	How 20 years of Google's AdSense changed the internet	☐
	27	How do I mark myself safe on Facebook or ask if someone else is safe during a disaster	☐
	28	How does Facebook know I'm in an area affected by a crisis_Facebook Help Center	☐
	29	How Facebook ads use machine learning	☐
	30	How Facebook's Location Settings work	☐
	31	How is Safety Check activated on Facebook_ Facebook Help Center	☐
	32	How Mark Zuckerberg Turned Facebook Into the Web's Hottest Platform	☐
	33	How much does Workplace Core cost	☐

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	34	How to choose the right Meta Ads Manager objective	☐
	35	How to create a lookalike audience on Meta Ads Manager	☐
	36	HTML Images	☐
	37	HTML Images _ image tag_ alt attribute_ jpg_ png_ gif_ svg_ webp	☐
	38	Increasing Advertising Value of Mobile Marketing – An Empirical Study of Antecedents	☐
	39	Increasing Advertising Value of Mobile Marketing – An Empirical Study of Antecendents	☐
	40	Infringement of US Patent 11,470,682 by Crisis Response_Safety Check	☐
	41	Infringement of US Patent 8,249,932 by Facebook Targeted Advertising and Events	☐
	42	Infringement of US Patent 8,332,454 by Crisis Response_Safety Check	☐
	43	Infringement of US Patent 8,332,454 by Targeted Advertising and Events	☐
	44	Infringement of US Patent No. 9,877,345 by Crisis Response_Safety Check	☐

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	45	Intelligent Delivery of Interactive Advertisement Content	☐
	46	Introducing Safety Check	☐
	47	Introducing the Events From Facebook App	☐
	48	Lookalike Audiences - Meta Marketing API	☐
	49	Manage Your Ad Object's Status	☐
	50	Marketing API Reference	☐

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

EXAMINER SIGNATURE

Examiner Signature	/DUSTIN NGUYEN/	Date Considered	06/26/2024

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

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

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☐ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Maxim Rapoport/	Date (YYYY-MM-DD)	2024-05-30
Name/Print	Maxim Rapoport	Registration Number	67,675

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

Privacy Act Statement

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

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

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

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

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

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

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

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

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

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

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

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

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

BIB DATA SHEET

CONFIRMATION NO. 6493

SERIAL NUMBER	FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
18/639,859	04/18/2024 RULE	455	2446	000137-0005-126

APPLICANTS
SitNet LLC, Dover, DE;

INVENTORS
Thomas Cona, Athens, GA;
Patrick T. Igoe, Philadelphia, PA;
Leonid Kravets, Philadelphia, PA;
Edward A. Ehrlacher, Philadelphia, PA;

**** CONTINUING DATA ***************************
This application 18/639,859 04/18/2024
is a CON of 17/902,427 09/02/2022
which is a CON of 16/730,339 12/30/2019 PAT 11470682
which is a CON of 16/207,059 11/30/2018 PAT 10524307
which is a CON of 16/164,715 10/18/2018 PAT 10375759
which is a CON of 15/638,722 06/30/2017 PAT 10117290
which is a CON of 14/861,340 09/22/2015 PAT 9877345
which is a CON of 13/612,964 09/13/2012 PAT 9143535
which is a CON of 13/274,712 10/17/2011 PAT 8332454
which is a DIV of 11/924,711 10/26/2007 PAT 8069202
which claims benefit of 60/887,843 02/02/2007

**** FOREIGN APPLICATIONS ***************************

**** IF REQUIRED, FOREIGN FILING LICENSE GRANTED ****
04/29/2024

Foreign Priority claimed	☐ Yes ☑ No		STATE OR COUNTRY	SHEETS DRAWINGS	TOTAL CLAIMS	INDEPENDENT CLAIMS
35 USC 119(a-d) conditions met	☐ Yes ☑ No	☐ Met after Allowance	GA	45	30	4
Verified and Acknowledged	/DUSTIN NGUYEN/ Examiner's Signature	DN Initials				

ADDRESS
Haley Guiliano LLP
75 Broad Street
Suite 1000
New York, NY 10004-3226
UNITED STATES

TITLE
METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK

FEES: Authority has been given in Paper No._____ to charge/credit DEPOSIT ACCOUNT

☐ All Fees
☐ 1.16 Fees (Filing)
☐ 1.17 Fees (Processing Ext. of time)

BIB (Rev. 05/07).

FILING FEE RECEIVED 0.00	No._____ for following:	❑ 1.18 Fees (Issue) ❑ Other _____ ❑ Credit

BIB (Rev. 05/07).

Docket No.: 000137-0005-126
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Thomas Cona et al.

Application No.: 18/639,859 | Confirmation No.: 6493

Filed: April 18, 2024 | Art Unit: 2446

For: METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK | Examiner: Not Yet Assigned

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

INFORMATION DISCLOSURE STATEMENT (IDS)

Dear Madam:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, applicant(s) direct(s) the attention to the documents listed on the attached PTO/SB/08a. Applicant respectfully request(s) that the information be expressly considered during the prosecution of the above-identified application and that the document(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

In accordance with 37 C.F.R. § 1.98(a)(2)(ii), copies of U.S. patents and U.S. patent application publications are not being submitted.

Applicant directs the Examiner's attention to the application listed in the table below which may relate to subject matter for which a patent is being sought in the present application and may contain claims that may be relevant to the present application. Applicant invites the Examiner to review any Office Actions from this application, as well as any communications from Applicant responding thereto, including art cited in Office Actions and communications from Applicant, such as Information Disclosure Statements. Because the Office is in possession of these patent documents, applicant has not provided copies of them. Applicant stands ready, however, to provide

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

any such documents at the Examiner's request. By bringing this application to the Examiner's attention, Applicant does not waive the confidentiality provisions of 35 U.S.C. § 122.

Docket No.	Application No.	Filing Date	First Named Inventor	Examiner's Initials
000137-0005-125	17/902,427	September 2, 2022	Thomas Cona	
000137-0005-127	18/639,871	April 18, 2024	Thomas Cona	

Litigation Docket No.	Document Title	Filing Date	Examiner's Initials
SDNY-1-23-cv-06389	Meta Platforms, Inc. v. SitNet LLC, SitNet v Meta	July 24, 2023	

IPR No.	Document Title	Filing Date	Examiner's Initials
IPR2024-00612	Meta Platforms, Inc. v. SitNet LLC	March 4, 2024	
IPR2024-00531	Meta Platforms, Inc. v. SitNet LLC	February 27, 2024	
IPR2024-00530	Meta Platforms, Inc. v. SitNet LLC	February 27, 2024	
IPR2024-00529	Meta Platforms, Inc. v. SitNet LLC	February 27, 2024	
IPR2024-00528	Meta Platforms, Inc. v. SitNet LLC	March 4, 2024	

/DUSTIN NGUYEN/ 06/26/2024

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

Applicant submits that this Information Disclosure Statement is in compliance with 37 C.F.R. § 1.98 and respectfully requests that the Examiner consider the listed document.

Dated: May 30, 2024

Respectfully submitted,

By: /Maxim A. Rapoport/
Maxim A. Rapoport
Registration No. 67,675
HALEY GUILIANO LLP
Customer No. 75563
Attorney for Applicant
75 Broad Street, Suite 1000
New York, CA 10004
Tel.: (646) 973-2500

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

PTO/SB/08a (01-22)
Approved for use through 05/31/2024. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

U.S.PATENTS						Remove
Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	5774670	A	1998-06-30	MONTULLI LOU	
	2	7016307	B2	2006-03-21	VASUDEV et al.	
	3	7263614	B2	2007-08-28	Roskind James A.	
	4	7284033	B2	2007-10-16	Jhanji Neeraj	
	5	7321920	B2	2008-01-22	Washburn Carl	
	6	7801971	B1	2010-09-21	AMIDON et al.	
	7	7817982	B1	2010-10-19	CHU et al.	
	8	8024330	B1	2011-09-20	FRANCO et al.	

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	9	8103300	B2	2012-01-24	Gogic Aleksandar	
	10	8249932	B1	2012-08-21	CONA et al.	
	11	8332454	B1	2012-12-11	CONA et al.	
	12	8560385	B2	2013-10-15	ATAZKY et al.	
	13	8799073	B2	2014-08-05	SHAHINE et al.	
	14	9195996	B1	2015-11-24	WALSH et al.	
	15	9877345	B2	2018-01-23	CONA et al.	
	16	11470682	B1	2022-10-11	CONA et al.	

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

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	20050197775	A1	2005-09-08	Smith Michael R.	

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	2	20060047825	A1	2006-03-02	STEENSTRA et al.	
	3	20060095320	A1	2006-05-04	Jones Lisa S.	
	4	20060117051	A1	2006-06-01	Chin Philip K.	
	5	20060155809	A1	2006-07-13	Arav Gal	
	6	20060230053	A1	2006-10-12	Eldering Charles	
	7	20060242234	A1	2006-10-26	COUNTS et al.	
	8	20060270419	A1	2006-11-30	CROWLEY et al.	
	9	20060282312	A1	2006-12-14	CARLSON et al.	
	10	20070194938	A1	2007-08-23	Mitchell Richard	
	11	20070233635	A1	2007-10-04	BURFEIND et al.	
	12	20080092162	A1	2008-04-17	LUNDY et al.	

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	13	20080103784	A1	2008-05-01	WONG et al.	
	14	20080139165	A1	2008-06-12	GAGE et al.	

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

FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2] ¡	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1	2005-080211	JP	A	2005-03-24	HITACHI SOFTWARE ENG CO LTD	English Abstract Submitted	☐

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

NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]
	1	A Brief History of Online Advertising	☐
	2	A New Center for Crisis Response on Facebook	☐
	3	A Systematic Review on Search Engine Advertising	☐
	4	About engagement custom audiences	☐

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	5	Ad Campaign Structure - Meta Marketing API	☐
	6	Ad server definition_Adjust	☐
	7	Ad Targeting - Options to Reach Your Audience Online	☐
	8	An Advertising Power, but Just What Does Double Click Do	☐
	9	An Advertising Power, but Just What Does Doubleclick Do	☐
	10	Apr 8th - Scranton Comedy Club Show w Headliner JOHNNY WATSON	☐
	11	Audience_Facebook Ads	☐
	12	Basic Targeting - Meta Marketing API	☐
	13	Best Practices for Optimizing Web Advertising Effectiveness	☐
	14	Best practices to advertise your event to your preferred audience	☐
	15	Complaint (SDNY-1-23-cv-06389)	☐

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	16	Consumer Attitudes Toward Mobile Advertising - An Empirical Study	☐
	17	Create an ad set in Meta Ads Manager	☐
	18	Crisis Response_Facebook Help Center	☐
	19	Crisis Response_The Silverado Fire in Orange County, California, USA	☐
	20	Crisis Response_The Simpson Road Fire in Logan County, Oklahoma, US	☐
	21	DECLARATION OF BERNARD J. JANSEN, PH.D., IN SUPPORT OF PETITION FOR INTER PARTES REVIEW OF CLAIMS 1-11, 22, AND 23 OF U.S. PATENT NO, 8,249,932	☐
	22	DECLARATION OF BERNARD J. JANSEN, PH.D., IN SUPPORT OF PETITION FOR INTER PARTES REVIEW OF CLAIMS 12-21 OF U.S. PATENT NO, 8,249,932	☐
	23	DECLARATION OF DR. JEREMY COOPERSTOCK IN SUPPORT OF PETITION FOR INTER PARTES REVIEW OF U.S. PATENT NO. 11,470,682	☐
	24	DECLARATION OF DR. JEREMY COOPERSTOCK IN SUPPORT OF PETITION FOR INTER PARTES REVIEW OF U.S. PATENT NO. 8,332,454	☐
	25	DECLARATION OF DR. JEREMY COOPERSTOCK IN SUPPORT OF PETITION FOR INTER PARTES REVIEW OF U.S. PATENT NO. 9,877,345	☐
	26	Detecting Hit Shaving in Click-Through Payment Schemes	☐

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	27	Doc 25 - NOTICE OF META'S MOTION TO DISMISS	☐
	28	Doc 25-1 - EXHIBIT TO FED. R. CIV. P. 12(b)(6) MOTION TO DISMISS	☐
	29	Doc 25-2 - [PROPOSED] ORDER GRANTING META'S MOTION TO DISMISS	☐
	30	Doc 26 - NOTICE OF META'S MOTION TO DISMISS	☐
	31	Doc 26-1 - [PROPOSED] ORDER GRANTING META'S MOTION TO DISMISS	☐
	32	Doc 27 - MEMORANDUM OF LAW IN SUPPORT OF META'S MOTION TO DISMISS	☐
	33	Doc 28 - DECLARATION OF DANA M. SESHENS IN SUPPORT OF META'S MOTION TO DISMISS	☐
	34	Doc 28-1 - EXHIBIT TO FED. R. CIV. P. 12(b)(6) MOTION TO DISMISS	☐
	35	Doc 28-2 - MEMORANDUM OF LAW IN SUPPORT OF META'S MOTION TO DISMISS	☐
	36	Doc 28-3 - EXHIBIT TO FED. R. CIV. P. 12(b)(6) MOTION TO DISMISS	☐
	37	Doc 40 - PLAINTIFF'S MEMORANDUM OF LAW IN OPPOSITION TO DEFENDANT'S MOTION TO DISMISS	☐

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	38	Doc 40-1 - Appendix A - Comparison with Patent Ineligible Claims	☐
	39	Doc 40-2 - Appendix B - Comparison with Patent Eligible Claims	☐
	40	Doc 40-3 - Appendix C - Responsive Rule 8.G.i Chart	☐
	41	Doc 41 - REPLY IN SUPPORT OF META'S MOTION TO DISMISS	☐
	42	Doc 41-1 - Exhibit A - Claim Comparison Chart	☐
	43	Doc 51 - Opinion and Order	☐
	44	Doc 56 - META'S ANSWER TO PLAINTIFF'S COMPLAINT	☐
	45	Doc 57 - JOINT CLAIM CONSTRUCTION BRIEF	☐
	46	Doc 57-1 - JOINT APPENDIX TO THE JOINT CLAIM CONSTRUCTION BRIEF	☐
	47	Doc 57-10 - Exhibit 9 Internet Dictionary	☐
	48	Doc 57-11 - Exhibit 10 The Facts on File Dictionary of Computer Science	☐

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

	49	Doc 57-12 DECLARATION OF KATHRYN BI IN SUPPORT OF META'S RESPONSIVE CLAIM CONSTRUCTION BRIEF	☐
	50	Doc 57-3 - Exhibit 2 Dictionary of Computing_Pountain	☐

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

EXAMINER SIGNATURE

Examiner Signature	/DUSTIN NGUYEN/	Date Considered	06/26/2024

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

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

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	
	Attorney Docket Number	000137-0005-126

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☐ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Maxim Rapoport/	Date (YYYY-MM-DD)	2024-05-30
Name/Print	Maxim Rapoport	Registration Number	67,675

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

Privacy Act Statement

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

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

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

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

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

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

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

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

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

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

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

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

PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
L1	15	(roll adj2 call).clm. AND (situation near4 network)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/06/24 02:23 PM
L2	0	(roll adj2 call SAME multi$dimension*).clm.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/06/24 02:28 PM
L3	0	(roll adj2 call).clm. AND (event SAME multi$dimensional) .clm.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/06/24 02:28 PM
L4	0	(roll adj2 call).clm. AND (event SAME dimensional) .clm.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY,	OR	ON	ON	2024/06/24 02:28 PM

			CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L5	0	(roll adj2 call).clm. AND (event SAME feed) .clm.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/06/24 02:29 PM
L6	17	(roll adj2 call).clm. AND (feed) .clm.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/06/24 02:29 PM
L7	39	(roll adj2 call).clm. AND (situation) .clm.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK,	OR	ON	ON	2024/06/24 02:30 PM

			TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L8	19	"8332454"	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/06/24 05:08 PM
L9	35	(roll adj2 call).clm. AND (degree).clm.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/06/24 05:10 PM
L10	1297	(situation near3 network).clm. AND (degree).clm.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/06/24 05:11 PM
L11	282	(situation near3 network).clm. AND (degree).clm. AND (dimension*).clm.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU,	OR	ON	ON	2024/06/24 05:11 PM

			CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L12	0	(situation near3 network).clm. AND (degree).clm. AND (dimension*).clm. AND (centraliz* near5 node)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/06/24 05:12 PM
L13	11	(situation near3 network).clm. AND (degree).clm. AND (dimension*).clm. AND (event near5 node)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/06/24 05:12 PM
L14	0	(situation near3 network).clm. AND (degree).clm. AND (dimension*).clm. AND (sitnet)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA,	OR	ON	ON	2024/06/24 05:12 PM

			VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L15	0	(situation near3 network).clm. AND (degree).clm. AND (sitnet)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/06/24 05:13 PM
L16	8	(situation near3 network).clm. AND (sitnet)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/06/24 05:13 PM
L17	5	(situation near3 network).clm. AND (roll near3 call).clm.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/06/24 05:15 PM
L18	32	(dimension*).clm. AND (roll near3 call).clm.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA,	OR	ON	ON	2024/06/24 05:17 PM

			EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L19	7	(dimension* near5 node) AND (roll near3 call).clm.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/06/24 05:19 PM
L20	36	(dimension* near5 node) AND (join* near5 event SAME situation)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/06/24 05:20 PM
L21	701	(situation near4 network).ab. AND (dimension*).clm.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO;	OR	ON	ON	2024/06/24 05:37 PM

			JPO; DERWENT; IBM_TDB)				
L22	124	(situation near4 network).ab. AND (multi$dimension*).clm.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/06/24 05:38 PM
L23	1052	(situation near4 network) AND (multi$dimension*).clm.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/06/24 05:44 PM
L24	33	(situation near4 network).ti. AND (multi$dimension*).clm.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/06/24 05:44 PM
L25	7	(situational near4 network).ti. AND (multi$dimension*).clm.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB,	OR	ON	ON	2024/06/24 05:44 PM

			HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L26	0	(situational near4 network) AND (multi$dimension*).clm. AND (roll).clm.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/06/24 05:47 PM
L27	7	(situational near4 network) AND (multi$dimension*).clm. AND (project*).clm.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/06/24 05:48 PM
L28	3	(situational near3 network) AND (degree near4 separat*).clm.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2024/06/24 05:51 PM

			IBM_TDB)				
L29	135	(situational near3 network) AND (degree).clm.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/06/24 05:51 PM
L30	91	(situational near3 network) AND (connect* near5 node).clm.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/06/24 05:57 PM
L31	539	(situational near3 aware*) AND (connect* near5 node).clm.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/06/24 06:02 PM
L32	0	(situational near3 aware*) AND (connect* near5 node).clm. AND (roll).clm.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS,	OR	ON	ON	2024/06/24 06:02 PM

			IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L33	11	(situational near3 aware*) AND (connect* near5 node SAME dimension*).clm.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/06/24 06:03 PM
L34	39	(situational SAME join*) AND (connect* near5 node).clm.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/06/24 06:04 PM
L35	5	(situational near5 network) AND (feed SAME node).clm.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/06/24 06:13 PM

L36	0	(situational SAME event) AND (node near5 separat* SAME invit*)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/06/24 06:15 PM
L37	591	(situational SAME event) AND (node near5 separat*)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/06/24 06:15 PM
L38	41	(situational near5 network SAME event) AND (node near5 separat*)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/06/24 06:16 PM
L39	4	(situational near5 network SAME event) AND (node near5 separat*) AND (role).clm.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL,	OR	ON	ON	2024/06/24 06:20 PM

			NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L40	7	(situational near5 network SAME event) AND (node near5 separat*) AND (roll).clm.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/06/24 06:21 PM
L41	7	(situational near5 network) AND (node near5 separat*) AND (roll).clm.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/06/24 06:24 PM
L42	4	(situational near5 network) AND (node near5 level) AND (roll).clm.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/06/24 06:24 PM
L43	7	(situational near5	(US-PGPUB; USPAT;	OR	ON	ON	2024/06/24

		network) AND (node near5 (level OR link) near5 dimension*)	USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				06:25 PM
L44	23	(situational near5 network) AND (node near5 (level OR link) SAME join*)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/06/24 06:39 PM
L45	13	(situational near5 network) AND ((roll OR role) near3 call*).clm.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/06/24 06:46 PM
L46	34	"20170324738"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL,	OR	ON	ON	2024/06/25 02:19 PM

			PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L47	427	"6028514"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/06/25 09:17 PM

PE2E SEARCH - Search History (Interference)

There are no Interference searches to show.

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.
18/639,859	04/18/2024	Thomas Cona	000137-0005-126	6493

1473 7590 07/03/2024

Haley Guiliano LLP
75 Broad Street
Suite 1000
New York, NY 10004-3226

EXAMINER	
NGUYEN, DUSTIN	

ART UNIT	PAPER NUMBER
2446	

NOTIFICATION DATE	DELIVERY MODE
07/03/2024	ELECTRONIC

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

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

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

DocketRequests@hglaw.com
HGPatentDocket@hglaw.com
haleyguiliano_PAIR@firsttofile.com

Office Action Summary	Application No. 18/639,859	Applicant(s) Cona et al.	
	Examiner DUSTIN NGUYEN	Art Unit 2446	AIA (FITF) Status No

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

Period for Reply

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

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

Status

1)☑ Responsive to communication(s) filed on 04/18/2024.

☐ 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) 2-31 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) 2-31 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 04/18/2024 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 05/02/24, 05/30/24,.

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

4) ☐ Other: _____.

DETAILED ACTION

1. Claims 2-31 are presented for consideration.

Double Patenting

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. A nonstatutory double patenting rejection is appropriate where the conflicting claims are not identical, but at least one examined application claim is not patentably distinct from the reference claim(s) because the examined application claim is either anticipated by, or would have been obvious over, the reference claim(s). See, e.g., *In re Berg*, 140 F.3d 1428, 46 USPQ2d 1226 (Fed. Cir. 1998); *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or 1.321(d) may be used to overcome an actual or provisional rejection based on nonstatutory double patenting provided the reference application or patent either is shown to be commonly owned with the examined application, or claims an invention made as a

result of activities undertaken within the scope of a joint research agreement. See MPEP § 717.02 for applications subject to examination under the first inventor to file provisions of the AIA as explained in MPEP § 2159. See MPEP § 2146 *et seq.* for applications not subject to examination under the first inventor to file provisions of the AIA. A terminal disclaimer must be signed in compliance with 37 CFR 1.321(b).

The filing of a terminal disclaimer by itself is not a complete reply to a nonstatutory double patenting (NSDP) rejection. A complete reply requires that the terminal disclaimer be accompanied by a reply requesting reconsideration of the prior Office action. Even where the NSDP rejection is provisional the reply must be complete. See MPEP § 804, subsection I.B.1. For a reply to a non-final Office action, see 37 CFR 1.111(a). For a reply to final Office action, see 37 CFR 1.113(c). A request for reconsideration while not provided for in 37 CFR 1.113(c) may be filed after final for consideration. See MPEP §§ 706.07(e) and 714.13.

The USPTO Internet website contains terminal disclaimer forms which may be used. Please visit www.uspto.gov/patent/patents-forms. The actual filing date of the application in which the form is filed determines what form (e.g., PTO/SB/25, PTO/SB/26, PTO/AIA/25, or PTO/AIA/26) should be used. A web-based eTerminal Disclaimer may be filled out completely online using web-screens. An eTerminal Disclaimer that meets all requirements is auto-processed and approved immediately upon submission. For more information about eTerminal Disclaimers, refer to www.uspto.gov/patents/apply/applying-online/eterminal-disclaimer.

2. Claims 2-31 are rejected on the ground of nonstatutory double patenting as being unpatentable over claims 1-18 of U.S. Patent No. 8,069,202 [hereisafteras '202 patent], or over claims 1-20 of U.S. Patent No 8,332,454 [hereinafteras '454 patent] in view of Lemelson et al. [US Patent No 6,028,514]. The claims of '202 patent or '454 patent disclose all the limitations of the current claims, however, '202 and '454 patents do not disclose each respective request to connect is in a form of a roll call. However, Lemelson discloses each respective request to connect is in a form of roll call [i.e. paging signal is intended to illicit a response from emergency assistance/response personnel that may be in the vicinity of area of the warning unit that issued the original distress message] [204, Figure 5B; and col 16, lines 50-56]. It would have been obvious to a person skill in the art at the time the invention was made to combine the teaching of '202 patent or '454' patent and Lemelson because the teaching of Lemelson would enable to provide system and method that have the capability to automatically warn individuals of a variety of types of emergencies in their immediate vicinity [Lemelson, col 1, lines 5-8].

3. Claims 2-31 are provisionally rejected on the ground of nonstatutory double patenting as being unpatentable over claims 2-31 of copending Application No. 18/639,871 (reference application). Although the claims at issue are not identical, they are not patentably distinct from each other because the claims of copending application anticipate the claims of the current application.

This is a provisional nonstatutory double patenting rejection because the patentably indistinct claims have not in fact been patented.

Conclusion

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

Balfanz et al. [US Patent Application No 2005/0129240] discloses secure ad-hoc and/or dynamic command and control operations such are needed for Incident Command Systems or other emergency response systems that require simplicity and rapid deployment among disparate responder teams.

Forte [US Patent Application No 2003/0181209] discloses the system for provides, for roll call, priority preemption and seamless switching services to and from circuit and packet communication devices

Black et al. [US Patent Application No 2002/0116485] discloses period roll calls may be conducted between the NMS servers and the network devices to which they are connected

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DUSTIN NGUYEN whose telephone number is (571)272-3971. The examiner can normally be reached Monday-Friday 9-6 PST.

Examiner interviews are available via telephone, in-person, and video conferencing using a USPTO supplied web-based collaboration tool. To schedule an

interview, applicant is encouraged to use the USPTO Automated Interview Request (AIR) at http://www.uspto.gov/interviewpractice.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian Gillis can be reached on 571-2727952. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of published or unpublished applications may be obtained from Patent Center. Unpublished application information in Patent Center is available to registered users. To file and manage patent submissions in Patent Center, visit: https://patentcenter.uspto.gov. Visit https://www.uspto.gov/patents/apply/patent-center for more information about Patent Center and https://www.uspto.gov/patents/docx for information about filing in DOCX format. For additional questions, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/DUSTIN NGUYEN/
Primary Examiner, Art Unit 2446

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

APPROVAL LETTER

APPLICATION #	FILING DATE	APPLICANT/PATENT UNDER REEXAMINATION
18/639,859	04/18/2024	Thomas Cona

Title of Invention

METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK

Electronic terminal disclaimer filed on 07/03/2024

☑ Approved

This patent is subject to a Terminal Disclaimer

Approved / Disapproved by: Electronic Terminal Disclaimer automatically approved

UNITED STATES
PATENT AND TRADEMARK OFFICE

P.O. Box 1450
Alexandria, VA 22313 - 1450
www.uspto.gov

ELECTRONIC PAYMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
18/639,859	07/03/2024 05:47:49 PM Z ET	000137-0005-126

Title of Invention

METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	6493	FILED BY	Shari Jackson
PATENT CENTER #	66235350	AUTHORIZED BY	Maxim Rapoport
CUSTOMER #	1473	FILING DATE	04/18/2024
CORRESPONDENCE ADDRESS	-	FIRST NAMED INVENTOR	Thomas Cona

Payment Information

PAYMENT METHOD	PAYMENT TRANSACTION ID	PAYMENT AUTHORIZED BY
DA / 061075	E202473H48119222	Maxim Rapoport

PRE-AUTHORIZED ACCOUNT	PRE-AUTHORIZED CATEGORY
061075	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)

FEE CODE	DESCRIPTION	ITEM PRICE($)	QUANTITY	ITEM TOTAL($)
1814	STATUTORY DISCLAIMER, INCLUDING TERMINAL DISCLAIMER	170.00	1	170.00
			TOTAL AMOUNT:	$170.00

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

UNITED STATES
PATENT AND TRADEMARK OFFICE

P.O. Box 1450
Alexandria, VA 22313 - 1450
www.uspto.gov

ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
18/639,859	**07/03/2024 05:47:49 PM Z ET**	**000137-0005-126**

Title of Invention

METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	6493	FILED BY	Shari Jackson
PATENT CENTER #	66235350	FILING DATE	04/18/2024
CUSTOMER #	1473	FIRST NAMED INVENTOR	Thomas Cona
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Maxim Rapoport

Documents

TOTAL DOCUMENTS: 2

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
petition-request.pdf	3	Terminal Disclaimer-Filed (Electronic)	49 KB
grantLetter.pdf	1	Terminal Disclaimer-Electronic-Approved	19 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
petition-request.pdf	839C31FCC6B44FA46056FC6C292525610B20D8975AE70D6EC 98D1FB69C051351CC2125110490B0EC922E4D8CD17472F4683

	89929D42B99B950AD88B874236552
grantLetter.pdf	0C9CA59253381A4A254258330B667D0CCE1C83767747A05FA8F8D7298FFB56EE9E14546A2609DB47DD650E493FA8D57561D9F8A81C4D6173A6F3945B9BCFDDF6

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

UNITED STATES
PATENT AND TRADEMARK OFFICE

P.O. Box 1450
Alexandria, VA 22313 - 1450
www.uspto.gov

TERMINAL DISCLAIMER TO OBVIATE A DOUBLE PATENTING REJECTION OVER A PRIOR PATENT

APPLICATION #	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET #
18639859	04/18/2024	Thomas Cona	000137-0005-126

Title of Invention

METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK

☑ Filing of terminal disclaimer does not obviate requirement for response under 37 CFR 1.111 to outstanding Office Action

☑ This electronic Terminal Disclaimer is not being used for a Joint Research Agreement.

Owner	Percent Interest
Sitnet LLC	100%
Total	100%

The owner(s) of percent interest listed above in the instant application hereby disclaims, except as provided below, the terminal part of the statutory term of any patent granted on the instant application which would extend beyond the expiration date of the full statutory term of any patent granted on pending reference Application Number(s)

Application #	Filing Date
18639871	04/18/2024

as the term of any patent granted on said reference application may be shortened by any terminal disclaimer filed prior to the grant of any patent on the pending reference application. The owner hereby agrees that any patent so granted on the instant application shall be enforceable only for and during such period that it and any patent

granted on the reference application are commonly owned. This agreement runs with any patent granted on the instant application and is binding upon the grantee, its successors or assigns.
In making the above disclaimer, the owner does not disclaim the terminal part of any patent granted on the instant application that would extend to the expiration date of the full statutory term of any patent granted on said reference application, "as the term of any patent granted on said reference application may be shortened by any terminal disclaimer filed prior to the grant of any patent on the pending reference application," in the event that any such patent granted on the pending reference application: expires for failure to pay a maintenance fee, is held unenforceable, is found invalid by a court of competent jurisdiction, is statutorily disclaimed in whole or terminally disclaimed under 37 CFR 1.321, has all claims canceled by a reexamination certificate, is reissued, or is in any manner terminated prior to the expiration of its full statutory term as shortened by any terminal disclaimer filed prior to its grant.

The owner(s) of percent interest listed above in the instant application hereby disclaims, except as provided below, the terminal part of the statutory term of any patent granted on the instant application which would extend beyond the expiration date of the full statutory term of prior patent number(s)

Patent #
8069202
8332454

as the term of said prior patent is presently shortened by any terminal disclaimer. The owner hereby agrees that any patent so granted on the instant application shall be enforceable only for and during such period that it and the prior patent are commonly owned. This agreement runs with any patent granted on the instant application and is binding upon the grantee, its successors or assigns.
In making the above disclaimer, the owner does not disclaim the terminal part of the term of any patent granted on the instant application that would extend to the expiration date of the full statutory term of the prior patent, "as the term of said prior patent is presently shortened by any terminal disclaimer," in the event that said prior patent later:
- expires for failure to pay a maintenance fee;
- is held unenforceable;
- is found invalid by a court of competent jurisdiction;
- is statutorily disclaimed in whole or terminally disclaimed under 37 CFR 1.321;
- has all claims canceled by a reexamination certificate;
- is reissued; or
- is in any manner terminated prior to the expiration of its full statutory term as presently shortened by any terminal disclaimer.

 Terminal disclaimer fee under 37 CFR 1.20(d) included with Electronic Terminal Disclaimer request.

Applicant claims the following entity status:
Regular Undiscounted

I hereby declare that all statements made herein of my own knowledge are true and that all statemnts 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.

I certify, in accordance with 37 CFR 1.4(d)(4) that I am: An attorney or agent registered to practice before the Patent and Trademark Office who is of record in this application

Signature	Name	Registration #
/Maxim A. Rapoport/	Maxim Rapoport	67675

* Statement under 37 CFR 3.73(b) is required if terminal disclaimer is signed by the assignee (owner). Form PTO/SB/96 may be used for making this certification. See MPEP 324.

Docket No.: 000137-0005-126

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant	:	SitNet LLC	
Inventors	:	Thomas Cona et al.	
Application No.	:	18/639,859	Confirmation No.: 6493
Filed	:	April 18, 2024	
For	:	METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK	
Group Art Unit	:	2446	
Examiner	:	Dustin Nguyen	

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

REPLY TO OFFICE ACTION

Madam:

In response to the Office Action dated July 3, 2024, Applicant respectfully requests reconsideration in view of the following remarks:

Remarks begin on page 2 of this Reply.

REMARKS

Introduction

Claims 2-13 were pending in this application. Claims 2-31 were rejected under judicially created doctrine of Double Patenting over claims of U.S. Patents Nos. 8,069,202 and alternatively 8,332,454 in further view of U.S. Patent No 6,028,514 (Lamelson). Claims 2-31 were provisionally rejected under judicially created doctrine of Double Patenting over claims of U.S. Patent Application No. 18/639,871.

Applicant's Reply to Double Patenting Rejection

Applicant concurrently with filing submits terminal disclaimers over U.S. Patents Nos. 8,069,202 and alternatively 8,332,454 and over U.S. Patent Application No. 18/639,871. Accordingly, these double patenting rejections are now moot.

Conclusion

In view of at least the foregoing, Applicant respectfully submits that the pending application is in condition for allowance. Reconsideration and prompt allowance are accordingly respectfully requested.

Applicant believes no fee is due with this response. However, if a fee is due, please charge our Deposit Account No. 06-1075, from which the undersigned is authorized to draw.

Dated: July 3, 2024

Respectfully submitted,
By: /Maxim Rapoport/
Maxim Rapoport
Registration No.: 67675
HALEY GUILIANO LLP
Customer No. 01473
75 Broad Street, Suite 1000
New York, New York 10004
(646) 973-2500
Attorney for Applicant

UNITED STATES
PATENT AND TRADEMARK OFFICE

P.O. Box 1450
Alexandria, VA 22313 - 1450
www.uspto.gov

ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
18/639,859	**07/03/2024 05:54:40 PM Z ET**	**000137-0005-126**

Title of Invention

METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	6493	FILED BY	Shari Jackson
PATENT CENTER #	66235964	FILING DATE	04/18/2024
CUSTOMER #	1473	FIRST NAMED INVENTOR	Thomas Cona
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Maxim Rapoport

Documents

TOTAL DOCUMENTS: 2

DOCUMENT		PAGES	DESCRIPTION	SIZE (KB)
000137-0005-126-Reply.pdf		2	-	105 KB
000137-0005-126-Reply-A....pdf	(1-1)	1	Amendment/Request for Reconsideration-After Non-Final Rejection	101 KB
000137-0005-126-Reply-REM.pdf	(2-2)	1	Applicant Arguments/Remarks Made in an Amendment	103 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)

000137-0005-126-Reply.pdf	40D1E33C199CB2136CCA1A8E160950BC570073FBF7B54C43F82FD9389A7E4A5CD8119BC264B317EC3219AFDC66B60FB46F2B310C37D18A3817978FA913F03A92
000137-0005-126-Reply-A....pdf	86597457532D024F0AD5D7DAC056B698E7C5ECC9AA342441B0DF7AF9C5AEE7E0F2B1AC268B5CB1C36C49E8BD715178B8A883CA2C87E916E7B7C5154656744B7
000137-0005-126-Reply-REM.pdf	8E03B0FFF8EA781E4748E6294BA27930CACF22EEC64E0EB58EA0D734EA5F24D8C4A071C7AAB538B9CA1C90AD7DD285AFB5F8E27D3D5FB8896A0F71778E20C896

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

UNITED STATES
PATENT AND TRADEMARK OFFICE

P.O. Box 1450
Alexandria, VA 22313 - 1450
www.uspto.gov

ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
18/639,859	**07/16/2024 05:41:57 PM Z ET**	**000137-0005-126**

Title of Invention

METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	6493	FILED BY	Margaret Roslik
PATENT CENTER #	66391723	FILING DATE	04/18/2024
CUSTOMER #	1473	FIRST NAMED INVENTOR	Thomas Cona
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Maxim Rapoport

Documents

TOTAL DOCUMENTS: 13

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
NPL_10_Preliminary_Response_to_IPR_Case_No_202400612_2024_778322.pdf	29	Non Patent Literature	804 KB
NPL_11_Preliminary_Response_to_IPR_Case_No_202400529_2024_778323.pdf	27	Non Patent Literature	782 KB
NPL_12_Preliminary_Response_to_IPR_Case_No_202400530_2024_778324.pdf	34	Non Patent Literature	811 KB
NPL_1_Exhibit_2001_Joint_Claim_Construction_IPR024_00528_778315.pdf	65	Non Patent Literature	876 KB

NPL_2_Exhibit_2001_Joint_Claim_Construction_IPR024_00529_778320.pdf	65	Non Patent Literature	876 KB
NPL_3_Exhibit_2001_Joint_Claim_Construction_IPR024_00530_778321.pdf	65	Non Patent Literature	876 KB
NPL_5_Exhibit_2002_Amended_Joint_Claim_IPR2024_00612_202_777406.pdf	11	Non Patent Literature	172 KB
NPL_4_Exhibit_2001_Joint_Claim_Construction_IPR02400612__777845.pdf	65	Non Patent Literature	876 KB
NPL_6_Exhibit_2002_Amended_Joint_Claim_IPR202400528_2024_776792.pdf	11	Non Patent Literature	172 KB
NPL_7_Exhibit_2002_Amended_Joint_Claim_IPR202400529_2024_776793.pdf	11	Non Patent Literature	172 KB
NPL_8_Exhibit_2002_Amended_Joint_Claim_IPR202400530_2024_776998.pdf	11	Non Patent Literature	172 KB
NPL_9_Preliminary_Response_to_IPR_Case_No_202400528_2024_778325.pdf	29	Non Patent Literature	697 KB
000137-0005-126-SB08.pdf	5	Information Disclosure Statement (IDS) Form (SB08)	1352 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)

NPL_10_Preliminary_Response_to_IPR_Case_No_202400612_2024_778322.pdf	95A16225E1C47387310BE70353332719CB9757E578CCA5255C69D5022FDC49024718ED2CFAC0BEABF662C493B4727EDB9BB3E231322CE8ECCD98759B03C05119
NPL_11_Preliminary_Response_to_IPR_Case_No_202400529_2024_778323.pdf	72CA7536FC4B6B627A970D0EDC7B851CD26EC2E292E09C34130BCCB1A472E40CAA067225AB6F581192D0EEB5D47617C82870617E7B802C20ADE1CAD9DFA925DD
NPL_12_Preliminary_Response_to_IPR_Case_No_202400530_2024_778324.pdf	F528204D766706028F6A4EF53D99434823D2C8A96AA8EF00E8DB8F36C1513279431A0DED723F249F1CB25AFC2A378E0D68F198C54D7D509BB3155B3A30BBB6C8
NPL_1_Exhibit_2001_Joint_Claim_Construction_IPR024_00528_778315.pdf	D87B5ADF81E4A3F479075A4F28AEA279A348935A0DC635F3ECC284B710C9BBC7F5FA59ABC1B9673307C299E72001470B21E91362CD20F2F0193F4C209B592981
NPL_2_Exhibit_2001_Joint_Claim_Construction_IPR024_00529_778320.pdf	326080E0A35542EE71E985FFB56177A4070F2D2DFDE9B89E1BBDD009FA77DF665AF4065BB8EBF48B20CE599CA4F35AEC08E63030FC7B8D34DA8FDD82F33BDE55
NPL_3_Exhibit_2001_Joint_Claim_Construction_IPR024_00530_778321.pdf	85749625EEBE79D6397F719E36B1C348A4F6F0E47FE01FFDC46A50542595D0E4DC30D6D9318E38A549CCB04BF08EF6532A817901A8860ABBC71453B833FF989C
NPL_5_Exhibit_2002_Amended_Joint_Claim_IPR2024_00612_202_777406.pdf	57357B45721609FE3D1191A8C83DEBEEFBFC6F04F2800D678A1C23EB4A769E662117700CF5E2D6DE5BC0D7D63A97129D80991165349742EEFC3AA967785193AF
NPL_4_Exhibit_2001_Joint_Claim_Construction_IPR02400612__777845.pdf	F10FA940708644F3CDC2AED122CDE8357E3833D05450EED56F4C2C88339123FAB9441CFADD0AAB5195A217F0540F340FA3A83B294627298891E929C7689ADB69
NPL_6_Exhibit_2002_Amended_Joint_Claim_IPR202400528_2024_776792.pdf	E327531A4F700E800002412F17647C3D07A22D9F45173E2D271189EA8CB16D38DC312780D2BE43D0E95FD71271528A0DC2B3AE49D7BF17D67A3C800EDE37E1AE
NPL_7_Exhibit_2002_Amended_Joint_Claim_IPR202400529_2024_776793.pdf	C3BBE9778B76ADC160676242209393 6CEEF26E19A355F24A28427E2C29EA27BC1F137BF6234DD63D2C909C02430B8B115AEDDBB24B74EFAAE94E63DF012821A2

NPL_8_Exhibit_2002_Amended_Joint_Claim_IPR202400530_2024_776998.pdf	F76BE45D3731B8AC6BA95C36920906B4DFC00EFE049F673858BE1C1F544C1036EF2D94D54A3114DEFC5D8F4FAF6BEADB0E1D947F0494FBD419E9DFDDF8A2D31B
NPL_9_Preliminary_Response_to_IPR_Case_No_202400528_2024_778325.pdf	98FD0DD772AFFD17416753AB93B15C133A2C593FF31BFBC4CC04C98B11DEBDAF55A7A82D7453ED6E1BEF4AAADFF7B5FD7B42EB206FEDAAD860170E2094FFFCB4
000137-0005-126-SB08.pdf	FCE4A50A112CB38D341411B5F048B69A4A4C587C556ECBD4E6DCE9284771AF36CE03543532F02BAF5A6A5E227C71AF26DE3B08E5936EE6E0ABDACEB9D6123ECE

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

UNITED STATES
PATENT AND TRADEMARK OFFICE

P.O. Box 1450
Alexandria, VA 22313 - 1450
www.uspto.gov

ELECTRONIC PAYMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
18/639,859	07/16/2024 05:41:57 PM Z ET	000137-0005-126

Title of Invention

METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	6493	FILED BY	Margaret Roslik
PATENT CENTER #	66391723	AUTHORIZED BY	Maxim Rapoport
CUSTOMER #	1473	FILING DATE	04/18/2024
CORRESPONDENCE ADDRESS	-	FIRST NAMED INVENTOR	Thomas Cona

Payment Information

PAYMENT METHOD	PAYMENT TRANSACTION ID	PAYMENT AUTHORIZED BY
DA / 061075	E20247FH42597943	Shari Jackson

PRE-AUTHORIZED ACCOUNT	PRE-AUTHORIZED CATEGORY
061075	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)

FEE CODE	DESCRIPTION	ITEM PRICE($)	QUANTITY	ITEM TOTAL($)
1806	SUBMISSION OF AN INFORMATION DISCLOSURE STATEMENT	260.00	1	260.00
			TOTAL AMOUNT:	$260.00

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

PTO/SB/08a (01-22)
Approved for use through 05/31/2024. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number	18639859
Filing Date	2024-04-18
First Named Inventor	Thomas Cona
Art Unit	2446
Examiner Name	DUSTIN NGUYEN
Attorney Docket Number	000137-0005-126

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

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

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

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

FOREIGN PATENT DOCUMENTS Remove

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

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

NON-PATENT LITERATURE DOCUMENTS Remove

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

PC 6.1.24

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	DUSTIN NGUYEN
	Attorney Docket Number	000137-0005-126

	1	Exhibit 2001- Joint Claim Construction Brief filed by Sitnet LLC vs. Meta Platforms, INC., Civil Action No. 1:23-cv-06389-AS, Under, IPR024- 00528, June 21, 2024, 65 pages.	☐
	2	Exhibit 2001- Joint Claim Construction Brief filed by Sitnet LLC vs. Meta Platforms, INC., Civil Action No. 1:23-cv-06389-AS, Under, IPR024- 00529, June 13, 2024, 65 pages.	☐
	3	Exhibit 2001- Joint Claim Construction Brief filed by Sitnet LLC vs. Meta Platforms, INC., Civil Action No. 1:23-cv-06389-AS, Under, IPR024- 00530, June 13, 2024, 65 pages.	☐
	4	Exhibit 2001- Joint Claim Construction Brief filed by Sitnet LLC vs. Meta Platforms, INC., Civil Action No. 1:23-cv-06389-AS, Under, IPR024-00612, June 21, 2024, 65 pages.	☐
	5	Exhibit 2002- Amended Joint Claim Construction Chart filed by Sitnet LLC vs. Meta Platforms, INC., Civil Action No. 1:23-cv-06389-AS, Under IPR2024- 00612, June 21, 2024, 11 pages.	☐
	6	Exhibit 2002- Amended Joint Claim Construction Chart filed by Sitnet LLC vs. Meta Platforms, INC., Civil Action No. 1:23-cv-06389-AS, Under IPR2024-00528, June 21, 2024, 11 pages.	☐
	7	Exhibit 2002- Amended Joint Claim Construction Chart filed by Sitnet LLC vs. Meta Platforms, INC., Civil Action No. 1:23-cv-06389-AS, Under IPR2024-00529, June 13, 2024, 11 pages.	☐
	8	Exhibit 2002- Amended Joint Claim Construction Chart filed by Sitnet LLC vs. Meta Platforms, INC., Civil Action No. 1:23-cv-06389-AS, Under IPR2024-00530, June 13, 2024, 11 pages.	☐
	9	Preliminary Response to Petition for Inter Partes Review filed by Meta Platforms, INC. vs. Sitnet LLC., of U.S. Patent No. 8,249,932, Under IPR Case No.: 2024-00528, June 21, 2024, 29 pages.	☐
	10	Preliminary Response to Petition for Inter Partes Review filed by Meta Platforms, INC. vs. Sitnet LLC., of U.S. Patent No. 8,249,932, Under IPR Case No.: 2024-00612, June 21, 2024, 29 pages.	☐
	11	Preliminary Response to Petition for Inter Partes Review filed by Meta Platforms, INC. vs. Sitnet LLC., of U.S. Patent No. 8,332,454, Under IPR Case No.: 2024-00529, June 13, 2024, 27 pages.	☐

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	DUSTIN NGUYEN
	Attorney Docket Number	000137-0005-126

	12	Preliminary Response to Petition for Inter Partes Review filed by Meta Platforms, INC. vs. Sitnet LLC., of U.S. Patent No. 9,877,345, Under IPR Case No.: 2024-00530, June 13, 2024, 34 pages.	☐

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

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

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

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

PC 6.1.24

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	DUSTIN NGUYEN
	Attorney Docket Number	000137-0005-126

CERTIFICATION STATEMENT

Please see 37 CFR 1.97(e) to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☒ A certification statement is not submitted herewith.

FEE

☒ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

COPIES

☐ An identification of an earlier application pursuant to 37 CFR 1.98 (d) (1) is attached.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Maxim Rapoport/	Date (YYYY-MM-DD)	2024-07-16
Name/Print	Maxim Rapoport	Registration Number	67,675

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

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

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

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

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

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

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

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

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

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

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

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

UNITED STATES PATENT AND TRADEMARK OFFICE

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

NOTICE OF ALLOWANCE AND FEE(S) DUE

1473 7590 07/22/2024

Haley Guiliano LLP
75 Broad Street
Suite 1000
New York, NY 10004-3226

EXAMINER	
NGUYEN, DUSTIN	
ART UNIT	PAPER NUMBER
2446	

DATE MAILED: 07/22/2024

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/639,859	04/18/2024	Thomas Cona	000137-0005-126	6493

TITLE OF INVENTION: METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	$1200	$0.00	$0.00	$1200	10/22/2024

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 40% the amount of undiscounted fees, and micro entity fees are 20% the amount of undiscounted 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. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

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

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

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), by mail or fax, or via the USPTO patent electronic filing system.

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

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

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence 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. **Because electronic patent issuance may occur shortly after issue fee payment, any desired continuing application should preferably be filed prior to payment of this issue fee in order not to jeopardize copendency.**

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

1473 7590 07/22/2024
Haley Guiliano LLP
75 Broad Street
Suite 1000
New York, NY 10004-3226

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being transmitted to the USPTO via the USPTO patent electronic filing system or by facsimile to (571) 273-2885, on the date below.

(Typed or printed name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/639,859	04/18/2024	Thomas Cona	000137-0005-126	6493

TITLE OF INVENTION: METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	$1200	$0.00	$0.00	$1200	10/22/2024

EXAMINER	ART UNIT	CLASS-SUBCLASS
NGUYEN, DUSTIN	2446	455-404100

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/AIA/122 or PTO/SB/122) attached.

❑ "Fee Address" indication (or "Fee Address" Indication form PTO/AIA/47 or 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 must have been previously recorded, or filed for recordation, as set forth in 37 CFR 3.11 and 37 CFR 3.81(a). Completion of this form is NOT a substitute for filing an assignment.

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

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

4a. Fees submitted: ❑Issue Fee ❑Publication Fee (if required)

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

❑ Electronic Payment via the USPTO patent electronic filing system ❑ Enclosed check ❑ Non-electronic payment by credit card (Attach form PTO-2038)

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

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

❑ Applicant certifying micro entity status. See 37 CFR 1.29
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. _____

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.
18/639,859	04/18/2024	Thomas Cona	000137-0005-126	6493

1473 7590 07/22/2024

Haley Guiliano LLP
75 Broad Street
Suite 1000
New York, NY 10004-3226

EXAMINER	
NGUYEN, DUSTIN	
ART UNIT	PAPER NUMBER
2446	

DATE MAILED: 07/22/2024

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

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

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

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

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

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

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

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. The United States Patent and Trademark Office (USPTO) collects the information in this record under authority of 35 U.S.C. 2. The USPTO's system of records is used to manage all applicant and owner information including name, citizenship, residence, post office address, and other information with respect to inventors and their legal representatives pertaining to the applicant's/ owner's activities in connection with the invention for which a patent is sought or has been granted. The applicable Privacy Act System of Records Notice for the information collected in this form is COMMERCE/PAT-TM-7 Patent Application Files, available in the Federal Register at 78 FR 19243 (March 29, 2013).
https://www.govinfo.gov/content/pkg/FR-2013-03-29/pdf/2013-07341.pdf

Routine uses of the information in this record may include disclosure to:

1) law enforcement, in the event that the system of records indicates a violation or potential violation of law;
2) a federal, state, local, or international agency, in response to its request;
3) a contractor of the USPTO having need for the information in order to perform a contract;
4) the Department of Justice for determination of whether the Freedom of Information Act (FOIA) requires disclosure of the record;
5) a Member of Congress submitting a request involving an individual to whom the record pertains, when the individual has requested the Member's assistance with respect to the subject matter of the record;
6) a court, magistrate, or administrative tribunal, in the course of presenting evidence, including disclosures to opposing counsel in the course of settlement negotiations;
7) the Administrator, General Services Administration (GSA), or their designee, during an inspection of records conducted by GSA under authority of 44 U.S.C. 2904 and 2906, in accordance with the GSA regulations and any other relevant (i.e., GSA or Commerce) directive, where such disclosure shall not be used to make determinations about individuals;
8) 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));
9) the Office of Personnel Management (OPM) for personnel research purposes; and
10) the Office of Management and Budget (OMB) for legislative coordination and clearance.

If you do not furnish the information requested on this form, the USPTO may not be able to process and/or examine your submission, which may result in termination of proceedings, abandonment of the application, and/or expiration of the patent.

Notice of Allowability	Application No. 18/639,859	Applicant(s) Cona et al.	
	Examiner DUSTIN NGUYEN	Art Unit 2446	AIA (FITF) Status No

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

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☑ This communication is responsive to 07/03/2024.
   ☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

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

3. ☑ The allowed claim(s) is/are See Continuation Sheet . As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see **http://www.uspto.gov/patents/init_events/pph/index.jsp** or send an inquiry to **PPHfeedback@uspto.gov.**

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

   Certified copies:

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

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

   * Certified copies not received: _____ .

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

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

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

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

Attachment(s)

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

/DUSTIN NGUYEN/
Primary Examiner, Art Unit 2446

Continuation of 3. The allowed claim(s) is/are: 2-31, now renumbered as 1-30

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	18/639,859	Cona et al.
	Examiner	**Art Unit**
	DUSTIN NGUYEN	2446

CPC						
Symbol					**Type**	**Version**
H04W	/	76	/	50	F	2018-02-01
H04W	/	4	/	024	I	2018-02-01
G08G	/	1	/	096716	I	2013-01-01
H04L	/	65	/	1069	I	2013-01-01
H04W	/	4	/	90	I	2018-02-01
H04W	/	4	/	029	I	2018-02-01
G08G	/	1	/	096791	I	2013-01-01
G01C	/	21	/	3415	I	2013-01-01
G08G	/	1	/	096741	I	2013-01-01
G01C	/	21	/	3461	I	2013-01-01
H04W	/	4	/	02	I	2013-01-01
G01C	/	21	/	3697	I	2013-01-01
H04W	/	84	/	18	A	2013-01-01
G08G	/	1	/	205	A	2013-01-01

CPC Combination Sets							
Symbol					**Type**	**Set**	**Ranking**	**Version**
	/		/					

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	30	
/DUSTIN NGUYEN/ Primary Examiner, Art Unit 2446	11 July 2024	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	28

U.S. Patent and Trademark Office — Part of Paper No.: 20240711

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	18/639,859	Cona et al.
	Examiner	**Art Unit**
	DUSTIN NGUYEN	2446

INTERNATIONAL CLASSIFICATION					
CLAIMED					
H04W	/	76	/	50	

NON-CLAIMED					
	/		/		

US ORIGINAL CLASSIFICATION	
CLASS	**SUBCLASS**
455	404.1

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

NONE (Assistant Examiner)	(Date)	**Total Claims Allowed:** 30	
/DUSTIN NGUYEN/ Primary Examiner, Art Unit 2446 (Primary Examiner)	11 July 2024 (Date)	O.G. Print Claim(s) 1	O.G. Print Figure 28

U.S. Patent and Trademark Office — Part of Paper No.: 20240711

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	18/639,859	Cona et al.
	Examiner	**Art Unit**
	DUSTIN NGUYEN	2446

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

CLAIMS

Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
1	2	10	11	19	20	28	29								
2	3	11	12	20	21	29	30								
3	4	12	13	21	22	30	31								
4	5	13	14	22	23										
5	6	14	15	23	24										
6	7	15	16	24	25										
7	8	16	17	25	26										
8	9	17	18	26	27										
9	10	18	19	27	28										

NONE (Assistant Examiner)	(Date)	**Total Claims Allowed:** 30	
/DUSTIN NGUYEN/ Primary Examiner, Art Unit 2446 (Primary Examiner)	11 July 2024 (Date)	O.G. Print Claim(s) 1	O.G. Print Figure 28

U.S. Patent and Trademark Office Part of Paper No.: 20240711

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	18/639,859	Cona et al.
	Examiner	**Art Unit**
	DUSTIN NGUYEN	2446

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

CLAIMS

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

CLAIM		DATE								
Final	Original	06/26/2024	07/11/2024							
1	2	✓	=							
2	3	✓	=							
3	4	✓	=							
4	5	✓	=							
5	6	✓	=							
6	7	✓	=							
7	8	✓	=							
8	9	✓	=							
9	10	✓	=							
10	11	✓	=							
11	12	✓	=							
12	13	✓	=							
13	14	✓	=							
14	15	✓	=							
15	16	✓	=							
16	17	✓	=							
17	18	✓	=							
18	19	✓	=							
19	20	✓	=							
20	21	✓	=							
21	22	✓	=							
22	23	✓	=							
23	24	✓	=							
24	25	✓	=							
25	26	✓	=							
26	27	✓	=							
27	28	✓	=							
28	29	✓	=							
29	30	✓	=							
30	31	✓	=							

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	18/639,859	Cona et al.
	Examiner	Art Unit
	DUSTIN NGUYEN	2446

CPC - Searched*		
Symbol	**Date**	**Examiner**
H04L 41/344; 63/06	06/28/2024	DN
H04W 76/50	06/28/2024	DN
G08B 21/028	06/28/2024	DN

CPC Combination Sets - Searched*		
Symbol	**Date**	**Examiner**

US Classification - Searched*			
Class	**Subclass**	**Date**	**Examiner**

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

Search Notes		
Search Notes	**Date**	**Examiner**
inventor name search	06/28/2024	DN
search results from related applications	06/28/2024	DN
review double patenting rejection	06/28/2024	DN
search PE2E	06/28/2024	DN
non patent literature search (ACM, and google)	07/11/2024	DN

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	18/639,859	Cona et al.
	Examiner	Art Unit
	DUSTIN NGUYEN	2446

Interference Search			
US Class/CPC Symbol	**US Subclass/CPC Group**	**Date**	**Examiner**
H04W	76/50	07/11/2024	DN
H04L	41/344; 63/06	07/11/2024	DN

Search Results

Search

Advanced Search

365 *Results for:* ***[All: discover] AND [All: situation] AND [All: event] AND [All: node] AND [All: roll] AND [All: join] AND [E-Publication Date: (* TO 02/28/2007)]***

Edit Search | Save Search | RSS

Feedback

Searched The ACM Full-Text Collection (747,763 records)
Expand your search to The ACM Guide to Computing Literature (3,722,569 records)

RESULTS VIDEOS

Showing 51 - 100 of 365 Results

FILTERS **Sort by:** Relevance

June 2005

Stacked indexed views in microsoft SQL server

David DeHaan, Per-Ake Larson, Jingren Zhou

SIGMOD '05: Proceedings of the 2005 ACM SIGMOD international conference on Management of data

• June 2005,Pages 179–190 • https://doi.org/10.1145/1066157.1066179

Appropriately selected materialized views (also called *indexed* views) can speed up query execution by orders of magnitude. Most database systems limit support for materialized views to select-project-join expressions, possibly with a group-by, over base ...

Highlights

11 844

August 2000

Data mining techniques for optimizing inventories for electronic commerce

Anjali Dhond, Amar Gupta, Sanjeev Vadhavkar

KDD '00: Proceedings of the sixth ACM SIGKDD international conference on Knowledge discovery and data mining
• August 2000,Pages 480–486 • https://doi.org/10.1145/347090.347188

Highlights

20 3,119

January 2004

Web service composition transaction management

Benchaphon Limthanmaphon, Yanchun Zhang

ADC '04: Proceedings of the 15th Australasian database conference - Volume 27
• January 2004,Pages 171–179

The development of new web services by composition of existing services is becoming an extensive approach. This has resulted in transactions that span in multiple web services. These business transactions may be unpredictable and long in duration. Thus ...

Highlights

9 2,109

October 2000

Operational information systems: an example from the airline industry

Van Oleson, Greg Eisenhaur, Calton Pu, Karsten Schwan, Beth Plale, Dick Amin

WIESS'00: Proceedings of the 1st conference on Industrial Experiences with Systems Software - Volume 1

October 2000,Page 1

Our research is motivated by the scaleability, availability, and extensibility challenges in deploying open systems based, enterprise operational applications. We present Delta's mid-tier Operational Information Systems (OIS) as an approach for ...

Highlights

5 39

August 2004

Seeing, hearing, and touching: putting it all together

Brian Fisher, Sidney Fels, Karon MacLean, Tamara Munzner, Ronald Rensink

SIGGRAPH '04: ACM SIGGRAPH 2004 Course Notes • August 2004,Pages 8—es
• https://doi.org/10.1145/1103900.1103908

Highlights

15 13,005

March 1989

AGM: a dataflow database machine

Lubomir Bic, Robert L. Hartmann

ACM Transactions on Database Systems (TODS), Volume 14, Issue 1 • Pages 114–146
• https://doi.org/10.1145/62032.62037

In recent years, a number of database machines consisting of large numbers of parallel processing elements have been proposed. Unfortunately, there are two main limitations in database processing that prevent a high degree of parallelism; these are the ...

Highlights

11 454

July 2006

An end-system approach to mobility management for 4G networks and its application to thin-client computing

Leo Patanapongpibul, Glenford Mapp, Andy Hopper

ACM SIGMOBILE Mobile Computing and Communications Review (SIGMOBILE), Volume 10, Issue 3 • July 2006,Pages 13–33 • https://doi.org/10.1145/1148094.1148097

This paper describes work centred around providing greater autonomy for mobile nodes to roam in Mobile IPv6 wireless networks based on a new handoff mechanism. This technique, called the Client-based Handoff, enables mobile nodes to roam in foreign ...

Highlights

9 868

August 2002

REFEREE: an open framework for practical testing of recommender systems using ResearchIndex

Dan Cosley, Steve Lawrence, David M. Pennock

VLDB '02: Proceedings of the 28th International conference on Very Large Data Bases
• August 2002,Pages 35–46

Automated recommendation (e.g., personalized product recommendation on an ecommerce web site) is an increasingly valuable service associated with many databases--typically online retail catalogs and web logs. Currently, a major obstacle for evaluating ...

Highlights

18 384

January 2000

Interface '99: a data mining overview

Arnold Goodman

ACM SIGKDD Explorations Newsletter (SIGKDD), Volume 1, Issue 2 • January 2000,Pages 97–104
• https://doi.org/10.1145/846183.846207

This personal overview of Interface '99 is intended to communicate its meaning and relevance to SIGKDD, as well as provide valuable information on trends within the Interface for data miners seeking to learn more about statistics. In addition, it is the ...

Highlights

0 527

October 1992

An abstract model of rollback recovery control in distributed systems

Jiannong Cao, K. C. Wang

ACM SIGOPS Operating Systems Review (SIGOPS), Volume 26, Issue 4 • Oct. 1992,Pages 62 – 76
• https://doi.org/10.1145/142854.142865

This paper develops an abstract model which presents a method of uniform description of different rollback recovery control algorithms for distributed systems. We first developed a general definition of the distributed rollback recovery control problem. ...

Highlights

9 373

December 1997

Active and supportive computer-mediated resources for student-to-student conversations

Noel Enyedy, Phil Vahey, Bernard R. Gifford

CSCL '97: Proceedings of the 2nd international conference on Computer support for collaborative learning

• December 1997,Pages 28–38

Communication is a central aspect of human learning. Using the Probability Inquiry Environment (PiE) as an example, we examine how external representations (both textual and iconic) mediate face-to-face conversations among students, and support ...

Highlights

2 54

May 2005

Towards commercial mobile ad hoc network applications: a radio dispatch system

Elgan Huang, Wenjun Hu, Jon Crowcroft, Ian Wassell

MobiHoc '05: Proceedings of the 6th ACM international symposium on Mobile ad hoc networking and computing

• May 2005,Pages 355–365 • https://doi.org/10.1145/1062689.1062734

We propose a novel and plausibly realistic application scenario for mobile ad hoc networks in the form of a radio dispatch system. We evaluate the system from both financial and technical perspectives to gain a complete picture of its feasibility. Using ...

Highlights

34 1,412

September 2000

An algebraic approach to static analysis of active database rules

Elena Baralis, Jennifer Widom

ACM Transactions on Database Systems (TODS), Volume 25, Issue 3 • Pages 269–332

• https://doi.org/10.1145/363951.363954

Rules in active database systems can be very difficult to program due to the unstructured and unpredictable nature of rule processing. We provide static analysis techniques for predicting whether a given rule set is guaranteed to terminate and whether ...

Highlights

64 1,353

June 2005

Fault-tolerance in the Borealis distributed stream processing system

Magdalena Balazinska, Hari Balakrishnan, Samuel Madden, Michael Stonebraker

SIGMOD '05: Proceedings of the 2005 ACM SIGMOD international conference on Management of data

• June 2005,Pages 13–24 • https://doi.org/10.1145/1066157.1066160

We present a replication-based approach to fault-tolerant distributed stream processing in the face of node failures, network failures, and network partitions. Our approach aims to reduce the degree of inconsistency in the system while guaranteeing that ...

Highlights

146 1,082

February 2003

Interactive visual method for motion and model reuse

Akanksha Huang, Z. Huang, B. Prabhakaran, C. R. Ruiz

GRAPHITE '03: Proceedings of the 1st international conference on Computer graphics and interactive techniques in Australasia and South East Asia

• February 2003,Pages 29–ff • https://doi.org/10.1145/604471.604479

We consider a repository of animation models and motions that can be reused to generate new animation sequences. For instance, a user can retrieve an animation of a dog kicking its leg (in air) and manipulate the result to generate a new animation where ...

Highlights

6 339

March 2005

Optimistic replication

Yasushi Saito, Marc Shapiro

ACM Computing Surveys (CSUR), Volume 37, Issue 1 • Pages 42–81

• https://doi.org/10.1145/1057977.1057980

Data replication is a key technology in distributed systems that enables higher availability and performance. This article surveys optimistic replication algorithms. They allow replica contents to diverge in the short term to support concurrent work ...

Highlights

447 7,799

June 1979

A low cost satellite for fast interactive graphics in a time-sharing environment

B. Meyer

DAC '79: Proceedings of the 16th Design Automation Conference • June 1979,Pages 39–44

This paper describes a system that improves the performance of a time-shared host computer for users of TEKTRONIX series 4010/4014/4015 graphics terminals. The system consists of a mini or microcomputer situated at the terminal, a program that runs in ...

Highlights

0 65

April 2001

A novel parallel deadlock detection algorithm and architecture

Pun H. Shiu, YuDong Tan, Vincent J. Mooney

CODES '01: Proceedings of the ninth international symposium on Hardware/software codesign
• April 2001,Pages 73–78 • https://doi.org/10.1145/371636.371684

A novel deadlock detection algorithm and its hardware implementation are presented in this paper. The hardware deadlock detection algorithm has a run time complexity of O_{hw} (min(m,n)), where m and n are the number of processors and resources, ...

Highlights

12 518

November 2002

Query optimization for OLAP-XML federations

Dennis Pedersen, Karsten Riis, Torben Bach Pedersen

DOLAP '02: Proceedings of the 5th ACM international workshop on Data Warehousing and OLAP • November 2002,Pages 57–64 • https://doi.org/10.1145/583890.583899

The changing data requirements of today's dynamic business environments are not handled well by current OLAP systems. Physically integrating unexpected data into such systems is a long and time-consuming process making logical integration, i.e., ...

Highlights

17 1,199

June 2005

Incognito: efficient full-domain K-anonymity

Kristen LeFevre, David J. DeWitt, Raghu Ramakrishnan

SIGMOD '05: Proceedings of the 2005 ACM SIGMOD international conference on Management of data

• June 2005,Pages 49–60 • https://doi.org/10.1145/1066157.1066164

A number of organizations publish microdata for purposes such as public health and demographic research. Although attributes that clearly identify individuals, such as Name and Social Security Number, are generally removed, these databases can sometimes ...

Highlights

803 3,342

June 2005

The Hierarchical Fair Competition (HFC) Framework for Sustainable Evolutionary Algorithms

Jianjun Hu, Erik Goodman, Kisung Seo, Zhun Fan, Rondal Rosenberg

Evolutionary Computation (EVOL), Volume 13, Issue 2 • Pages 241–277

• https://doi.org/10.1162/1063656054088530

Many current Evolutionary Algorithms (EAs) suffer from a tendency to converge prematurely or stagnate without progress for complex problems. This may be due to the loss of or failure to discover certain valuable genetic material or the loss of the ...

Highlights

29 117

September 2006

Municipal broadband access networks in the Netherlands – three successful cases, and how New Europe may benefit

R. D. J. Kramer, A. Lopez, A. M. J. Koonen

AcessNets '06: Proceedings of the 1st international conference on Access networks
• September 2006,Pages 12–es • https://doi.org/10.1145/1189355.1189367

In the Netherlands there have been various successful municipal broadband access network projects in the last few years, and many more projects are taking shape at this moment. Some of them are targeting business, others aim to connect residents, and ...

Highlights

11 538

January 2006

Charles W. Bachman interview: September 25–26, 2004; Tucson, Arizona

Charles W. Bachman, Thomas Haigh

ACM Oral History Interviews • January 2006,Interview No.: 2

• https://doi.org/10.1145/1141880.1141882

Charles W. Bachman reviews his career. Born during 1924 in Kansas, Bachman attended high school in East Lansing, Michigan before joining the Army Anti Aircraft Artillery Corp, with which he spent two years in the Southwest Pacific Theater, during World War ...

Highlights

1 4,802

March 2006

Exploiting distributed version concurrency in a transactional memory cluster

Kaloian Manassiev, Madalin Mihailescu, Cristiana Amza

PPoPP '06: Proceedings of the eleventh ACM SIGPLAN symposium on Principles and practice of parallel programming
• March 2006,Pages 198–208 • https://doi.org/10.1145/1122971.1123002

We investigate a transactional memory runtime system providing scaling and strong consistency, i.e., 1-copy serializability on commodity clusters for both distributed scientific applications and database applications. We introduce a novel page-level ...

Highlights

67 920

April 2006

Distributed localization of networked cameras

Stanislav Funiak, Carlos Guestrin, Mark Paskin, Rahul Sukthankar

IPSN '06: Proceedings of the 5th international conference on information processing in sensor networks

• April 2006,Pages 34–42 • https://doi.org/10.1145/1127777.1127786

Camera networks are perhaps the most common type of sensor network and are deployed in a variety of real-world applications including surveillance, intelligent environments and scientific remote monitoring. A key problem in deploying a network of ...

Highlights

74 852

May 2005

Partially ordered epochs for thread-level speculation

Braxton Thomason, Craig Chase

CF '05: Proceedings of the 2nd conference on Computing frontiers • May 2005,Pages 299–306
• https://doi.org/10.1145/1062261.1062311

Thread-Level Speculation TLS) can be used to exploit parallelism in programs where static analysis fails. When a dependence violation is dynamically detected, the violating thread is rolled-back and restarted. However, we believe that for many ...

Highlights

0 222

January 1987

Multi-dimensional input techniques and articulated figure positioning by multiple constraints

Norman I. Badler, Kamran H. Manoochehri, David Baraff

I3D '86: Proceedings of the 1986 workshop on Interactive 3D graphics • January 1987,Pages 151–169 • https://doi.org/10.1145/319120.319132

A six degree-of-freedom input device presents some novel possibilities for manipulating and positioning three-dimensional objects. Some experiments in using such a device in conjunction with a real-time display are described. A particular problem which ...

Highlights

39 626

July 1997

Terrain database interoperability issues in training with distributed interactive simulation

Guy A. Schiavone, S. Sureshchandran, Kenneth C. Hardis

ACM Transactions on Modeling and Computer Simulation (TOMACS), Volume 7, Issue 3
• Pages 332–367 • https://doi.org/10.1145/259207.259221

In Distributed Interactive Simulation (DIS), each participating node is responsible for maintaining its own model of the synthetic environment. Problems may arise if significant inconsistencies are allowed to exist between these separate world views, ...

Highlights

4 2,654

October 2004

Using an SQL coverage measurement for testing database applications

María José Suárez-Cabal, Javier Tuya

SIGSOFT '04/FSE-12: Proceedings of the 12th ACM SIGSOFT twelfth international symposium on Foundations of software engineering
• October 2004,Pages 253–262 • https://doi.org/10.1145/1029894.1029929

Many software applications have a component based on database management systems in which information is generally handled through SQL queries embedded in the application code. When automation of software testing is mentioned in the research, this is ...

Also Published in:

ACM SIGSOFT Software Engineering Notes: Volume 29 Issue 6November 2004

Highlights

51 1,688

November 1995

Applications of machine learning and rule induction

Pat Langley, Herbert A. Simon

Communications of the ACM (CACM), Volume 38, Issue 11 • Nov. 1995,Pages 54–64

• https://doi.org/10.1145/219717.219768

Machine learning is the study of computational methods for improving performance by mechanizing the acquisition of knowledge from experience. Expert performance requires much domain-specific knowledge, and knowledge engineering has produced hundreds of ...

Highlights

321 7,793

January 1996

The GLOW cache coherence protocol extensions for widely shared data

Stefanos Kaxiras, James R. Goodman

ICS '96: Proceedings of the 10th international conference on Supercomputing
• January 1996,Pages 35–43 • https://doi.org/10.1145/237578.237583

Highlights

15 343

August 2004

Write-optimized B-trees

Goetz Graefe

VLDB '04: Proceedings of the Thirtieth international conference on Very large data bases - Volume 30

• August 2004,Pages 672–683

Large writes are beneficial both on individual disks and on disk arrays, e.g., RAID-5. The presented design enables large writes of internal B-tree nodes and leaves. It supports both in-place updates and large append-only ("log-structured") write ...

Highlights

34 506

March 1977

Pipeline Architecture

C. V. Ramamoorthy, H. F. Li

ACM Computing Surveys (CSUR), Volume 9, Issue 1 • Pages 61–102

• https://doi.org/10.1145/356683.356687

Pipelined computer architecture has received considerable attention since the 1960s when the need for faster and more cost-effective systems became critical. The merit of pipelining is that it can help to match the speeds of various subsystems without ...

Highlights

134 7,665

March 1996

Practical methods for automatically generating typed links

Chip Cleary, Ray Bareiss

HYPERTEXT '96: Proceedings of the the seventh ACM conference on Hypertext
• March 1996,Pages 31–41 • https://doi.org/10.1145/234828.234832

Highlights

34 678

January 2005

When are two workflows the same?

Jan Hidders, Marlon Dumas, Wil M. P. van der Aalst, Arthur H. M. ter Hofstede, + 1

CATS '05: Proceedings of the 2005 Australasian symposium on Theory of computing - Volume 41 • January 2005,Pages 3–11

In the area of workflow management, one is confronted with a large number of competing languages and the relations between them (e.g. relative expressiveness) are usually not clear. Moreover, even within the same language it is generally possible to ...

A Highlights

11 410

November 2000

A temporal model for multi-level undo and redo

W. Keith Edwards, Takeo Igarashi, Anthony LaMarca, Elizabeth D. Mynatt

UIST '00: Proceedings of the 13th annual ACM symposium on User interface software and technology • November 2000,Pages 31–40 • https://doi.org/10.1145/354401.354409

Highlights

30 1,147

October 1994

Inverse kinematics positioning using nonlinear programming for highly articulated figures

Jianmin Zhao, Norman I. Badler

ACM Transactions on Graphics (TOG), Volume 13, Issue 4 • Pages 313–336

• https://doi.org/10.1145/195826.195827

An articulated figure is often modeled as a set of rigid segments connected with joints. Its configuration can be altered by varying the joint angles. Although it is straight forward to compute figure configurations given joint angles (forward ...

Highlights

269 3,685

January 1987

Reliable communication in the presence of failures

Kenneth P. Birman, Thomas A. Joseph

ACM Transactions on Computer Systems (TOCS), Volume 5, Issue 1 • Pages 47–76

• https://doi.org/10.1145/7351.7478

The design and correctness of a communication facility for a distributed computer system are reported on. The facility provides support for *fault-tolerant process groups* in the form of a family of reliable multicast protocols that can be used in both ...

Highlights

845 4,404

May 2000

An architecture for pen-based interaction on electronic whiteboards

Takeo Igarashi, W. Keith Edwards, Anthony LaMarca, Elizabeth D. Mynatt

AVI '00: Proceedings of the working conference on Advanced visual interfaces
• May 2000,Pages 68–75 • https://doi.org/10.1145/345513.345256

This paper describes the software architecture for our pen-based electronic whiteboard system, called Flatland. The design goal of Flatland is to support various activities on personal office whiteboards, while maintaining the outstanding ease of use and ...

Highlights

15 948

July 1994

Artificial fishes: physics, locomotion, perception, behavior

Xiaoyuan Tu, Demetri Terzopoulos

SIGGRAPH '94: Proceedings of the 21st annual conference on Computer graphics and interactive techniques

• July 1994,Pages 43–50 • https://doi.org/10.1145/192161.192170

This paper proposes a framework for animation that can achieve the intricacy of motion evident in certain natural ecosystems with minimal input from the animator. The realistic appearance, movement, and behavior of individual animals, as well as the ...

Highlights

348 3,747

November 2005

Data collection, storage, and retrieval with an underwater sensor network

I. Vasilescu, K. Kotay, D. Rus, M. Dunbabin, P. Corke

SenSys '05: Proceedings of the 3rd international conference on Embedded networked sensor systems • November 2005,Pages 154–165 • https://doi.org/10.1145/1098918.1098936

In this paper we present a novel platform for underwater sensor networks to be used for long-term monitoring of coral reefs and fisheries. The sensor network consists of static and mobile underwater sensor nodes. The nodes communicate point-to-point ...

Highlights

427 4,315

January 1987

Abstracts of current literature

Computational Linguistics Staff

Computational Linguistics (COLI), Volume 13, Issue 1–2 • Pages 93–158

A Highlights

0 1,540

November 2004

Evaluating XML-extended OLAP queries based on a physical algebra

Xuepeng Yin, Torben Bach Pedersen

DOLAP '04: Proceedings of the 7th ACM international workshop on Data warehousing and OLAP
• November 2004,Pages 73–82 • https://doi.org/10.1145/1031763.1031778

In today's OLAP systems, integrating fast changing data, e.g., stock quotes, physically into a cube is complex and time consuming. The widespread use of XML makes it very possible that this data is available in XML format on the WWW. Thus, making XML ...

Highlights

13 648

June 2006

Incentives engineering for structured P2P systems – a feasibility demonstration using economic experiments

Stephan Schosser, Klemens Böhm, Rainer Schmidt, Bodo Vogt

EC '06: Proceedings of the 7th ACM conference on Electronic commerce
• June 2006,Pages 280–289 • https://doi.org/10.1145/1134707.1134738

Structured peer-to-peer systems allow to administer large volumes of data. Several peers collaborate to generate a query result. Analyses of unstructured peer-to-peer systems, namely of those for file-sharing, show that peers tend to shirk ...

Highlights

11 541

December 1998

Simulation and C4I data collection in support of force XXI training

William I. Frederic, Mark B. Hamby, James S. Mathison, Ronald D. Nugen

WSC '98: Proceedings of the 30th conference on Winter simulation
• December 1998,Pages 887–894

Highlights

198

January 2006

A conceptual solution for representing time in data warehouse dimensions

Elzbieta Malinowski, Esteban Zimányi

APCCM '06: Proceedings of the 3rd Asia-Pacific conference on Conceptual modelling - Volume 53
• January 2006,Pages 45–54

Data Warehouses (DWs) use an omnipresent time dimension for keeping track of changes in measure values. However, this dimension cannot be used to model changes in other dimensions. On the other hand, Temporal Databases (TDBs) have been successfully used ...

Highlights

3 1,095

November 2005

A mapping system for the integration of OWL-DL ontologies

Peter Haase, Boris Motik

IHIS '05: Proceedings of the first international workshop on Interoperability of heterogeneous information systems

• November 2005,Pages 9–16 • https://doi.org/10.1145/1096967.1096970

To enable interoperability between applications in distributed information systems based on heterogeneous ontologies, it is necessary to formally define the notion of a mapping between ontologies. In this paper, we define a mapping system for OWL-DL ...

Highlights

54 1,116

September 1991

Database research at the IBM Almaden Research Center

Laura M. Haas, Patricia G. Selinger

ACM SIGMOD Record (SIGMOD), Volume 20, Issue 3 • Sept. 1991,Pages 92–98
• https://doi.org/10.1145/126482.126493

Highlights

0 196

May 2001

Avatars: a shifting interaction

Kristine Deray

VIP '01: Proceedings of the Pan-Sydney area workshop on Visual information processing - Volume 11
• May 2001,Pages 129–138

The intersection of theatre-performance, design, and informatics is a fertile area for a broader understanding of the possible design and interaction between people and avatars in simulated three dimensional information spaces. This paper outlines the ...

Highlights

0 428

August 2005

A simple mechanism for capturing and replaying wireless channels

Glenn Judd, Peter Steenkiste

E-WIND '05: Proceedings of the 2005 ACM SIGCOMM workshop on Experimental approaches to wireless network design and analysis
• August 2005,Pages 58–63 • https://doi.org/10.1145/1080148.1080161

Physical layer wireless network emulation has the potential to be a powerful experimental tool. An important challenge in physical emulation, and traditional simulation, is to accurately model the wireless channel. In this paper we examine the ...

Highlights

16 3,175

Categories

Journals
Magazines
Books
Proceedings
SIGs
Conferences
Collections
People

About

About ACM Digital Library
ACM Digital Library Board
Subscription Information
Author Guidelines
Using ACM Digital Library
All Holdings within the ACM Digital Library
ACM Computing Classification System
Accessibility Statement

< Back

Join ACM
Join SIGs
Subscribe to Publications
Institutions and Libraries

Contact us via email
ACM on Facebook
ACM DL on X
ACM on LinkedIn
Send Feedback
Submit a Bug Report

The ACM Digital Library is published by the Association for Computing Machinery. Copyright © 2024 ACM, Inc.

Terms of Usage | Privacy Policy | Code of Ethics

ACM DIGITAL LIBRARY
Association for Computing Machinery

Search Results

Search

Advanced Search

365 *Results for:* ***[All: discover] AND [All: situation] AND [All: event] AND [All: node] AND [All: roll] AND [All: join] AND [E-Publication Date: (* TO 02/28/2007)]***

Edit Search | Save Search | RSS

Feedback

Searched The ACM Full-Text Collection (747,763 records)
Expand your search to The ACM Guide to Computing Literature (3,722,569 records)

RESULTS VIDEOS

Showing 1 - 50 of 365 Results

FILTERS **Sort by:** Relevance

September 2003

Locking protocols for materialized aggregate join views

Gang Luo, Jeffrey F. Naughton, Curt J. Ellmann, Michael W. Watzke

VLDB '03: Proceedings of the 29th international conference on Very large data bases - Volume 29
• September 2003,Pages 596–607

The maintenance of materialized aggregate join views is a well-studied problem. However, to date the published literature has largely ignored the issue of concurrency control. Clearly immediate materialized view maintenance with transactional ...

Highlights

5 82

June 2005

Using n-trees for scalable event ordering in peer-to-peer games

Chris GauthierDickey, Virginia Lo, Daniel Zappala

NOSSDAV '05: Proceedings of the international workshop on Network and operating systems support for digital audio and video

• June 2005,Pages 87–92 • https://doi.org/10.1145/1065983.1066005

We are concerned with the fundamental problem of event ordering in multiplayer peer-to-peer games. Event ordering, even without faults, requires all-to-all message passing with at least two rounds of communication \cite{keidar01}. Multiplayer games add ...

Highlights

27 542

December 2005

Sharing event data in optimistically scheduled multicast applications

Garrett Yaun, David Bauer, Christopher D. Carothers

WSC '05: Proceedings of the 37th conference on Winter simulation
• December 2005,Pages 2649–2656

A major consideration when designing high performance simulation models is state size. Keeping the model state sizes small enhances performance by using less memory, thereby increasing cache utilization and reducing model execution time. The only ...

Highlights

0 40

November 1996

Adaptive protocols for parallel discrete event simulation

Samir R. Das

WSC '96: Proceedings of the 28th conference on Winter simulation • November 1996,Pages 186–193 • https://doi.org/10.1145/256562.256602

This paper reviews issues concerning the design of adaptive protocols for parallel discrete event simulation (PDES). The need for adaptive protocols are motivated in the background of the synchronization problem that has driven much of the research in ...

Highlights

23 509

December 2005

Using discrete event simulation in the teaching of decision analysis

Ingolf Ståhl

WSC '05: Proceedings of the 37th conference on Winter simulation
• December 2005,Pages 2280–2289

In this paper we discuss how Discrete Event Simulation (DES) was used in a course on Decision Analysis (DA). Against the background of the characteristics of the students and the purpose of the course, we discuss various types of problems and methods ...

Highlights

2 171

July 1998

Event history based sparse state saving in time warp

Francesco Quaglia

PADS '98: Proceedings of the twelfth workshop on Parallel and distributed simulation
• July 1998,Pages 72–79 • https://doi.org/10.1145/278008.278018

Also Published in:

ACM SIGSIM Simulation Digest: Volume 28 Issue 1July 1998

Highlights

8 237

December 1992

From events to objects: the heresy of event-orientation in a world of objects

Larry L. Constantine, Lucy A. D. Lockwood

OOPSLA '92: Addendum to the proceedings on Object-oriented programming systems, languages, and applications (Addendum)
• December 1992,Pages 55–59 • https://doi.org/10.1145/157709.157720

Also Published in:

ACM SIGPLAN OOPS Messenger: Volume 4 Issue 2April 1993

Highlights

0 271

May 1994

Spatial joins using seeded trees

Ming-Ling Lo, Chinya V. Ravishankar

SIGMOD '94: Proceedings of the 1994 ACM SIGMOD international conference on Management of data

• May 1994,Pages 209–220 • https://doi.org/10.1145/191839.191881

Existing methods for spatial joins assume the existence of indices for the participating data sets. This assumption is not realistic for applications involving multiple map layer overlays or for queries involving non-spatial selections. In this paper, ...

Also Published in:

ACM SIGMOD Record: Volume 23 Issue 2June 1994

Highlights

138 717

August 2005

Group and topic discovery from relations and text

Xuerui Wang, Natasha Mohanty, Andrew McCallum

LinkKDD '05: Proceedings of the 3rd international workshop on Link discovery
• August 2005,Pages 28–35 • https://doi.org/10.1145/1134271.1134276

We present a probabilistic generative model of entity relationships and textual attributes that simultaneously discovers groups among the entities and topics among the corresponding text. Block-models of relationship data have been studied in social ...

Highlights

81 968

December 1998

Discovering Internet marketing intelligence through online analytical web usage mining

Alex G. Büchner, Maurice D. Mulvenna

ACM SIGMOD Record (SIGMOD), Volume 27, Issue 4 • Dec. 1998,Pages 54–61

• https://doi.org/10.1145/306101.306124

This article describes a novel way of combining data mining techniques on Internet data in order to discover actionable marketing intelligence in electronic commerce scenarios. The data that is considered not only covers various types of server and web ...

Highlights

176 4,793

September 2006

An overlay scheme to provide loose QoS for wireless nodes

Luca Caviglione, Franco Davoli

BWAN '06: Proceedings of the 2006 workshop on Broadband wireless access for ubiquitous networking

• September 2006,Pages 6–es • https://doi.org/10.1145/1189186.1189194

The diffusion of wireless technologies is rapidly growing, and they are increasingly employed to provide connectivity on the road. Wireless systems are widely deployed to allow cheap devices to communicate, to provide local networking capabilities to ...

Highlights

0 257

November 2003

Experiential meeting system

Ramesh Jain, Pilho Kim, Zhao Li

ETP '03: Proceedings of the 2003 ACM SIGMM workshop on Experiential telepresence
• November 2003,Pages 1–12 • https://doi.org/10.1145/982484.982486

We are developing experiential meeting systems to allow people to be tele-present in a remote meeting and to be able to review proceedings of a meeting or of several meetings using all the data recorded in a meeting. We consider this as a problem in ...

Highlights

37 407

December 2003

Parallel distributed simulation and modeling methods: SyncSim: a synchronous simple optimistic simulation technique based on a global parallel heap event queue

Sushil K. Prasad, Zhiyong Cao

WSC '03: Proceedings of the 35th conference on Winter simulation: driving innovation
• December 2003,Pages 872–880

We developed and implemented two highly optimized optimistic discrete event simulation techniques based on an efficient and scalable Parallel Heap data structure as a global event queue. The primary results are (i) the design of an optimistic ...

Highlights

0 221

January 1998

Output-sensitive generation of random events

Paul B. Callahan

SODA '98: Proceedings of the ninth annual ACM-SIAM symposium on Discrete algorithms
• January 1998,Pages 374–383

Highlights

1 177

September 2000

Knowledge discovery in data warehouses

Themistoklis Palpanas

ACM SIGMOD Record (SIGMOD), Volume 29, Issue 3 • Sept. 2000,Pages 88–100

• https://doi.org/10.1145/362084.362142

As the size of data warehouses increase to several hundreds of gigabytes or terabytes, the need for methods and tools that will automate the process of knowledge extraction, or guide the user to subsets of the dataset that are of particular interest, is ...

Highlights

22 2,372

July 1994

Effects of the checkpoint interval on time and space in time warp

Bruno R. Preiss, Wayne M. Loucks, Ian D. Macintyre

ACM Transactions on Modeling and Computer Simulation (TOMACS), Volume 4, Issue 3
• Pages 223–253 • https://doi.org/10.1145/189443.189444

Optimistically synchronized parallel discrete-event simulation is based on the use of communicating sequential processes. Optimistic synchronization means that the processes proceed under the assumption that a synchronized execution schedule is ...

Highlights

82 435

November 2003

MPICH-V2: a Fault Tolerant MPI for Volatile Nodes based on Pessimistic Sender Based Message Logging

Aurélien Bouteiller, Franck Cappello, Thomas Herault, Géraud Krawezik, + 2

SC '03: Proceedings of the 2003 ACM/IEEE conference on Supercomputing • November 2003,Page 25 • https://doi.org/10.1145/1048935.1050176

Execution of MPI applications on clusters and Grid deployments suffering from node and network failures motivates the use of fault tolerant MPI implementations. We present MPICH-V2 (the second protocol of MPICH-V project), an automatic fault tolerant ...

Highlights

114 486

June 1984

Implementation techniques for main memory database systems

David J DeWitt, Randy H Katz, Frank Olken, Leonard D Shapiro, + 2

SIGMOD '84: Proceedings of the 1984 ACM SIGMOD international conference on Management of data • June 1984,Pages 1–8 • https://doi.org/10.1145/602259.602261

With the availability of very large, relatively inexpensive main memories, it is becoming possible keep large databases resident in main memory In this paper we consider the changes necessary to permit a relational database system to take advantage of ...

Also Published in:

ACM SIGMOD Record: Volume 14 Issue 2June 1984

Highlights

734 5,851

March 1988

The HiPAC project: combining active databases and timing constraints

U. Dayal, B. Blaustein, A. Buchmann, U. Chakravarthy, M. Hsu, R. Ledin, + 6

ACM SIGMOD Record (SIGMOD), Volume 17, Issue 1 • March, 1988,Pages 51–70

• https://doi.org/10.1145/44203.44208

The HiPAC (High Performance ACtive database system) project addresses two critical problems in time-constrained data management: the handling of timing constraints in databases, and the avoidance of wasteful polling through the use of situation-action ...

Highlights

358 999

May 2006

A new scheme on recovery from failure in NICE overlay protocol

Abdolreza Abdolhosseini Moghadam, Saman Barghi, Hamid Reza Rabiee, + 1

InfoScale '06: Proceedings of the 1st international conference on Scalable information systems
• May 2006,Pages 60–es • https://doi.org/10.1145/1146847.1146908

Overlay networks have been an active area of research for the past few years. The control overhead and the recovery from failure are the two important issues in the topology aware embedded overlay networks. In this research, we have introduced an ...

Highlights

0 185

July 1989

Distributed graphics: where to draw the lines?

D. Phillips, M. Pique, C. Moler, I. Torborg, D. Greenberg

SIGGRAPH '89: ACM SIGGRAPH 89 Panel Proceedings • July 1989,Pages 257–280

• https://doi.org/10.1145/77276.77291

Good morning, ladies and gentlemen. Welcome to the panel entitled Distributed Graphics: Where to Draw the Lines? My name is Dick Phillips. I'm from Los Alamos National Laboratory and I'll be your chair this session. I'll be joined by a great group of ...

Also Published in:

ACM SIGGRAPH Computer Graphics: Volume 23 Issue 5Dec. 1989

Highlights

2 480

December 2003

Simulation of large scale networks III: ROSS.Net: optimistic parallel simulation framework for large-scale internet models

David Bauer, Garrett Yaun, Christopher D. Carothers, Murat Yuksel, +1

WSC '03: Proceedings of the 35th conference on Winter simulation: driving innovation
• December 2003,Pages 703–711

ROSS.Net brings together the four major areas of networking research: network modeling, simulation, measurement and protocol design. ROSS.Net is a tool for computing large scale design of experiments through components such as a discrete-event ...

Highlights

1 276

November 2004

A Self-Organizing Storage Cluster for Parallel Data-Intensive Applications

Hong Tang, Aziz Gulbeden, Jingyu Zhou, William Strathearn, Tao Yang, Lingkun Chu

SC '04: Proceedings of the 2004 ACM/IEEE conference on Supercomputing
• November 2004,Page 52 • https://doi.org/10.1109/SC.2004.9

Cluster-based storage systems are popular for data-intensive applications and it is desirable yet challenging to provide incremental expansion and high availability while achieving scalability and strong consistency. This paper presents the design and ...

Highlights

10 11

September 1979

Models and Measurements for Quality Assessment of Software

Siba N. Mohanty

ACM Computing Surveys (CSUR), Volume 11, Issue 3 • Pages 251–275
• https://doi.org/10.1145/356778.356783

Highlights

51 2,293

July 2002

Query, analysis, and visualization of hierarchically structured data using Polaris

Chris Stolte, Diane Tang, Pat Hanrahan

KDD '02: Proceedings of the eighth ACM SIGKDD international conference on Knowledge discovery and data mining

• July 2002,Pages 112–122 • https://doi.org/10.1145/775047.775064

In the last several years, large OLAP databases have become common in a variety of applications such as corporate data warehouses and scientific computing. To support interactive analysis, many of these databases are augmented with hierarchical ...

Highlights

48 1,446

November 1997

Fast detection of communication patterns in distributed executions

Thomas Kunz, Michiel F. H. Seuren

CASCON '97: Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research

• November 1997,Page 12

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event ...

Highlights

7,954

July 1994

Parallel proximity detection and the distribution list algorithm

Jeff S. Steinman, Frederick Wieland

PADS '94: Proceedings of the eighth workshop on Parallel and distributed simulation
• August 1994,Pages 3–11 • https://doi.org/10.1145/182478.182479

Generalized proximity detection for moving objects in a logically correct parallel discrete-event simulation is an interesting and fundamentally challenging problem. Determining *who can see whom* in a manner that is fully scalable in terms of CPU usage, ...

Also Published in:
ACM SIGSIM Simulation Digest: Volume 24 Issue 1July 1994

Highlights

49 393

May 2006

Magenta technology multi-agent logistics i-Scheduler for road transportation

Jonathan Himoff, George Rzevski, Petr Skobelev

AAMAS '06: Proceedings of the fifth international joint conference on Autonomous agents and multiagent systems

• May 2006,Pages 1514–1521 • https://doi.org/10.1145/1160633.1160927

The paper describes main features of an Intelligent Scheduler for Road Transportation Applications based on Magenta agent technology and characterized by a number of unique, advanced features such as real-time, incremental, continuous scheduling and ...

Highlights

25 470

September 1999

Specification and implementation of exceptions in workflow management systems

Fabio Casati, Stefano Ceri, Stefano Paraboschi, Guiseppe Pozzi

ACM Transactions on Database Systems (TODS), Volume 24, Issue 3 • Pages 405–451
• https://doi.org/10.1145/328939.328996

Although workflow management systems are most applicable when an organization follows standard business processes and routines, any of these processes faces the need for handling exceptions, i.e., asynchronous and anomalous situations that fall outside ...

Highlights

193 3,202

July 2005

Group motion graphs

Yu-Chi Lai, Stephen Chenney, ShaoHua Fan

SCA '05: Proceedings of the 2005 ACM SIGGRAPH/Eurographics symposium on Computer animation • July 2005,Pages 281–290 • https://doi.org/10.1145/1073368.1073409

We introduce Group Motion Graphs, a data-driven animation technique for groups of discrete agents, such as flocks, herds, or small crowds. Group Motion Graphs are conceptually similar to motion graphs constructed from motion-capture data, but have some ...

Highlights

45 820

November 1996

Principles of conservative parallel simulation

David M. Nicol

WSC '96: Proceedings of the 28th conference on Winter simulation • November 1996,Pages 128–135 • https://doi.org/10.1145/256562.256591

This tutorial describes considerations in writing parallelized discrete-event simulations. We identify key principles behind various synchronization methods tailored to simulate complex systems.

Highlights

43 390

March 2001

Combining tasking and transactions, part II: open multithreaded transactions

 Jörg Kienzle,  Alexander Romanovsky

IRTAW '00: Proceedings of the 10th international workshop on Real-time Ada workshop
• April 2001,Pages 67–74 • https://doi.org/10.1145/374370.374384

This position paper is a follow-up paper of [1], presented at the last IRTAW workshop. The paper describes a model for providing transaction support for concurrent programming languages such as Ada 95. In order to achieve smooth integration, the use of ...

Also Published in:

ACM SIGAda Ada Letters: Volume XXI Issue 1March 2001

Highlights

6 172

July 2002

Controlling high bandwidth aggregates in the network

Ratul Mahajan, Steven M. Bellovin, Sally Floyd, John Ioannidis, Vern Paxson, + 1

ACM SIGCOMM Computer Communication Review (SIGCOMM-CCR), Volume 32, Issue 3 • July 2002,Pages 62–73 • https://doi.org/10.1145/571697.571724

The current Internet infrastructure has very few built-in protection mechanisms, and is therefore vulnerable to attacks and failures. In particular, recent events have illustrated the Internet's vulnerability to both denial of service (DoS) attacks and ...

Highlights

477 1,986

May 2000

High speed on-line backup when using logical log operations

David B. Lomet

SIGMOD '00: Proceedings of the 2000 ACM SIGMOD international conference on Management of data

• May 2000,Pages 34–45 • https://doi.org/10.1145/342009.335378

Media recovery protects a database from failures of the stable medium by maintaining an extra copy of the database, called the backup, and a media recovery log. When a failure occurs, the database is "restored" from the backup, and the media recovery ...

Also Published in:

ACM SIGMOD Record: Volume 29 Issue 2June 2000

Highlights

6 101

August 2006

Acclimatizing Taxonomic Semantics for Hierarchical Content Classification

Lei Tang, Jianping Zhang, Huan Liu

KDD '06: Proceedings of the 12th ACM SIGKDD international conference on Knowledge discovery and data mining

• August 2006,Pages 384–393 • https://doi.org/10.1145/1150402.1150446

Hierarchical models have been shown to be effective in content classification. However, we observe through empirical study that the performance of a hierarchical model varies with given taxonomies; even a semantically sound taxonomy has potential to ...

Highlights

18 782

October 2005

Finding application errors and security flaws using PQL: a program query language

Michael Martin, Benjamin Livshits, Monica S. Lam

OOPSLA '05: Proceedings of the 20th annual ACM SIGPLAN conference on Object-oriented programming, systems, languages, and applications
• October 2005,Pages 365–383 • https://doi.org/10.1145/1094811.1094840

A number of effective error detection tools have been built in recent years to check if a program conforms to certain design rules. An important class of design rules deals with sequences of events asso-ciated with a set of related objects. This paper ...

Also Published in:

ACM SIGPLAN Notices: Volume 40 Issue 10October 2005

Highlights

355 2,195

July 2006

Towards automatic social bootstrapping of peer-to-peer protocols

David Hales, Ozalp Babaoglu

ACM SIGOPS Operating Systems Review (SIGOPS), Volume 40, Issue 3 • July 2006,Pages 56–60 • https://doi.org/10.1145/1151374.1151387

Current peer-to-peer systems rely on user intervention to install and update the software (protocols) that run on each node. We propose another direction where protocols are dynamically and automatically rolled-out over peers, with the peers themselves ...

Highlights

4 229

September 2003

The convergence of AOP and active databases: towards reactive middleware

Mariano Cilia, Michael Haupt, Mira Mezini, Alejandro Buchmann

GPCE '03: Proceedings of the 2nd international conference on Generative programming and component engineering

• September 2003,Pages 169–188

Reactive behavior is rapidly becoming a key feature of modern software systems in such diverse areas as ubiquitous computing, autonomic systems, and event-based supply chain management. In this paper we analyze the convergence of techniques from aspect ...

Highlights

4 852

April 1978

A language implementation design for a multiprocessor computer system

P. Hibbard, A. Hisgen, T. Rodeheffer

ISCA '78: Proceedings of the 5th annual symposium on Computer architecture
• April 1978,Pages 66–72 • https://doi.org/10.1145/800094.803029

Theoretical and experimental results have indicated that automatic decompositions can discover modest amounts of parallelism. These investigations have tended to ignore the practical problems of language run-time organization, such as synchronization, ...

Highlights

7 303

December 1988

Steel product transportation and storage simulation: a combined simulation/optimization approach

Nobuyuki Ueno, Yoshiyuki Nakagawa, Yoshiro Okuno, Susumu Morito

WSC '88: Proceedings of the 20th conference on Winter simulation
• December 1988,Pages 678–683 • https://doi.org/10.1145/318123.318300

Product transportation and storage in steel works are modeled in order to evaluate both facility specification and transportation rules. Discrete-event simulation together with mathematical optimization technique are carried out based on probability ...

Highlights

9 240

October 1989

Rollback sometimes works...if filtered

B. Lubachevsky, A. Shwartz, A. Weiss

WSC '89: Proceedings of the 21st conference on Winter simulation • October 1989,Pages 630–639 • https://doi.org/10.1145/76738.76819

We introduce a new parallel discrete event simulation algorithm called filtered rollback. It is a combination of the Time Warp and bounded lag simulation algorithms introduced previously. The "filter" postpones event processing in some subsystems in ...

Highlights

50 128

July 1989

Physically-based modeling: past, present, and future

D. Terzopoulos, J. Platt, A. Barr, D. Zeltzer, A. Witkin, J. Blinn

SIGGRAPH '89: ACM SIGGRAPH 89 Panel Proceedings • July 1989,Pages 191–209

• https://doi.org/10.1145/77276.77287

My name is Demetri Terzopoulos and my co-chair, John Platt, and I would like to welcome you to the panel on Physically-Based Modeling -- Past, Present and Future. I'll start by introducing the panelists; the affiliations you see listed on the screen are ...

Also Published in:

ACM SIGGRAPH Computer Graphics: Volume 23 Issue 5Dec. 1989

Highlights

10 2,184

September 1994

Automatic generation of production rules for integrity maintenance

Stefano Ceri, Piero Fraternali, Stefano Paraboschi, Letizia Tanca

ACM Transactions on Database Systems (TODS), Volume 19, Issue 3 • Pages 367–422

• https://doi.org/10.1145/185827.185828

In this article we present an approach to integrity maintenance, consisting of automatically generating production rules for integrity enforcement. Constraints are expressed as particular formulas of Domain Relational Calculus; they are automatically ...

Highlights

116 923

September 2006

An integrated approach to recovery and high availability in an updatable, distributed data warehouse

Edmond Lau, Samuel Madden

VLDB '06: Proceedings of the 32nd international conference on Very large data bases
• September 2006,Pages 703–714

Any highly available data warehouse will use some form of data replication to tolerate machine failures. In this paper, we demonstrate that we can leverage this data redundancy to build an integrated approach to recovery and high availability. Our ...

Highlights

15 1,234

January 2005

Transactors: a programming model for maintaining globally consistent distributed state in unreliable environments

John Field, Carlos A. Varela

POPL '05: Proceedings of the 32nd ACM SIGPLAN-SIGACT symposium on Principles of programming languages

• January 2005,Pages 195–208 • https://doi.org/10.1145/1040305.1040322

We introduce *transactors*, a fault-tolerant programming model for composing loosely-coupled distributed components running in an unreliable environment such as the internet into systems that reliably maintain globally consistent distributed state. The ...

Also Published in:

ACM SIGPLAN Notices: Volume 40 Issue 1January 2005

Highlights

35 1,032

May 2003

Mining the peanut gallery: opinion extraction and semantic classification of product reviews

Kushal Dave, Steve Lawrence, David M. Pennock

WWW '03: Proceedings of the 12th international conference on World Wide Web
• May 2003,Pages 519–528 • https://doi.org/10.1145/775152.775226

The web contains a wealth of product reviews, but sifting through them is a daunting task. Ideally, an opinion mining tool would process a set of search results for a given item, generating a list of product attributes (quality, features, etc.) and ...

Highlights

872 7,345

December 2000

The state of the art in distributed query processing

Donald Kossmann

ACM Computing Surveys (CSUR), Volume 32, Issue 4 • Pages 422–469

• https://doi.org/10.1145/371578.371598

Distributed data processing is becoming a reality. Businesses want to do it for many reasons, and they often must do it in order to stay competitive. While much of the infrastructure for distributed data processing is already there (e.g., modern network ...

Highlights

570 14,274

July 2002

Integrated learning for interactive synthetic characters

Bruce Blumberg, Marc Downie, Yuri Ivanov, Matt Berlin,
Michael Patrick Johnson, + 1

SIGGRAPH '02: Proceedings of the 29th annual conference on Computer graphics and interactive techniques
• July 2002,Pages 417–426 • https://doi.org/10.1145/566570.566597

The ability to learn is a potentially compelling and important quality for interactive synthetic characters. To that end, we describe a practical approach to real-time learning for synthetic characters. Our implementation is grounded in the techniques of ...

Highlights

81 1,807

July 2002

Integrated learning for interactive synthetic characters

Bruce Blumberg, Marc Downie, Yuri Ivanov, Matt Berlin,
Michael Patrick Johnson, + 1

ACM Transactions on Graphics (TOG), Volume 21, Issue 3 • Pages 417–426
• https://doi.org/10.1145/566654.566597

The ability to learn is a potentially compelling and important quality for interactive synthetic characters. To that end, we describe a practical approach to real-time learning for synthetic characters. Our implementation is grounded in the techniques ...

Highlights

41 1,723

December 2005

On using SPEEDES as a platform for a parallel swarm simulation

Matthew A. Russell, Gary B. Lamont, Kenneth Melendez

WSC '05: Proceedings of the 37th conference on Winter simulation
• December 2005,Pages 1129–1137

Unmanned Aerial Vehicle (UAV) research is an increasingly important pillar of national security and military interest. A high fidelity discrete event simulation is prerequisite to any systems implementation. The Synchronous Parallel Environment for ...

Highlights

2 229

Categories

Journals
Magazines
Books
Proceedings
SIGs
Conferences
Collections
People

About

About ACM Digital Library
ACM Digital Library Board
Subscription Information
Author Guidelines
Using ACM Digital Library
All Holdings within the ACM Digital Library
ACM Computing Classification System
Accessibility Statement

Join ACM
Join SIGs
Subscribe to Publications
Institutions and Libraries

Contact us via email
ACM on Facebook
ACM DL on X
ACM on LinkedIn
Send Feedback
Submit a Bug Report

The ACM Digital Library is published by the Association for Computing Machinery. Copyright © 2024 ACM, Inc.

Terms of Usage | Privacy Policy | Code of Ethics

ACM DIGITAL LIBRARY
Association for Computing Machinery

Google

situation join roll call event node dimensional

Sign in

All Images Videos News Forums Shopping Web More Tools

ResearchGate
https://www.researchgate.net › figure › One-dimensions...

One-dimensional spatial roll call model with 95 per cent ...

This contribution examines the co-ordination mechanisms which central governments have established to develop positions and cast votes in negotiations in the ...

Nature
https://www.nature.com › scientific reports › articles

Legislators' roll-call voting behavior increasingly ...

by D Schoch · 2020 · Cited by 16 — As it turns out, this seemingly simplistic one-dimensional model is sufficient to represent the similarity of roll-call votes by U.S. senators ...

Google Patents
https://patents.google.com › patent

Method and system for using a situational network

... event node and provided the roll call query to the PIA. A situation authority or trusted provider establishing an event node 3010 for a server that hosts the ...

Roll Call
https://rollcall.com › factbase › topic › latest

Joe Biden White House - Consolidated Releases

15 hours ago — At 2:30 PM ET, the Vice President will deliver remarks at a campaign event. These remarks will be pooled press and open to pre-credential media.

Dallas Oregon (.gov)
https://www.dallasor.gov › meeting › packets › 2... PDF

Planning Commission

3570 or planning@dallasor.gov. 1. CALL TO ORDER. 2. ROLL CALL. 3. APPROVAL OF MINUTES. Regular meeting of October 10, 2023. 4. PUBLIC COMMENT. Opportunity for ...

Cambridge University Press & Assessment
https://www.cambridge.org › core › journals › article › p...

Position Taking in European Parliament Speeches

by SO Proksch · 2010 · Cited by 347 — This article examines how national parties and their members position themselves in European Parliament (EP) debates, estimating the principal ...

Army.mil
https://api.army.mil › downloads › 2023/01/19 PDF

19-18-commander-and-staff-guide-to-rehearsals-a-no-fail- ...

Jul 18, 2019 — It cross-walks lockers with shooters and ties them to a condition/event on the battlefield. ... Roll call (S-4). Introduction (BSB CDR).

151 pages

Missing: join | Show results with: join

Harvard University
https://projects.iq.harvard.edu › stat110 › files › se... PDF

Chapter 1: Probability and counting - Projects at Harvard

we observe, our estimator is a function of X, call it g(X). The bias ... event "all sixes" on the jth roll. Then E(Ij) = 1/6n, so the expected value ...

112 pages

Images

One Dimensional Analysis of ...
ResearchGate

One-dimensional spatial roll c...
ResearchGate

Dimensional modeling: An es...
dbt Docs - dbt Labs

Feedback

6 more images

HTML Spec
https://html.spec.whatwg.org

HTML Standard

DOM trees contain several kinds of nodes, in particular a DocumentType node, Element nodes, Text nodes, Comment nodes, and in some cases ProcessingInstruction ...
Multipage Version · HTML: The Living Standard · MIME Sniffing

Washington DC (Hagerstown MD), Virginia - From your IP address - Update location

UNITED STATES
PATENT AND TRADEMARK OFFICE

P.O. Box 1450
Alexandria, VA 22313 - 1450
www.uspto.gov

ELECTRONIC PAYMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
18/639,859	07/26/2024 05:09:53 PM Z ET	000137-0005-126

Title of Invention

METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	6493	FILED BY	Margaret Roslik
PATENT CENTER #	66540010	AUTHORIZED BY	Maxim Rapoport
CUSTOMER #	1473	FILING DATE	04/18/2024
CORRESPONDENCE ADDRESS	-	FIRST NAMED INVENTOR	Thomas Cona

Payment Information

PAYMENT METHOD	PAYMENT TRANSACTION ID	PAYMENT AUTHORIZED BY
DA / 061075	E20247PH11555720	Shari Jackson

PRE-AUTHORIZED ACCOUNT	PRE-AUTHORIZED CATEGORY
061075	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)

FEE CODE	DESCRIPTION	ITEM PRICE($)	QUANTITY	ITEM TOTAL($)
1801	REQUEST FOR CONTINUED EXAMINATION (RCE) - 1ST REQUEST (SEE 37 CFR 1.114)	1360.00	1	1360.00
			TOTAL AMOUNT:	$1,360.00

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

UNITED STATES
PATENT AND TRADEMARK OFFICE

P.O. Box 1450
Alexandria, VA 22313 - 1450
www.uspto.gov

ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
18/639,859	**07/26/2024 05:09:53 PM Z ET**	**000137-0005-126**

Title of Invention

METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	6493	FILED BY	Margaret Roslik
PATENT CENTER #	66540010	FILING DATE	04/18/2024
CUSTOMER #	1473	FIRST NAMED INVENTOR	Thomas Cona
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Maxim Rapoport

Documents

TOTAL DOCUMENTS: 14

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
NPL_11_Doc_808_Exhibit_H_July_12_2024_Email_Thread_801980.pdf	3	Non Patent Literature	240 KB
NPL_10_Doc_807_Exhibit_G_Excerpt_of_Markman_Hearing_Trans_801979.pdf	7	Non Patent Literature	76 KB
NPL_12_Doc_809_Exhibit_I_20240309_MET_Letter_re_Discovery_801981.pdf	4	Non Patent Literature	253 KB
NPL_1_Doc_79_OPINION_AND_ORDER_801971.pdf	10	Non Patent Literature	277 KB

NPL_3_Doc_801_Exhibit_A_SitNet_30b6_Notice_801973.pdf	15	Non Patent Literature	228 KB
NPL_2_Doc_80_Letter_Motion_for_Discovery_Protective_Orde_801972.pdf	74	Non Patent Literature	1885 KB
NPL_4_Doc_8010_Exhibit_J_April_19_2024_Email_Thread_801982.pdf	8	Non Patent Literature	298 KB
NPL_5_Doc_802_Exhibit_B_Meta_Response_to_SitNet_30b6_Not_801974.pdf	4	Non Patent Literature	148 KB
NPL_6_Doc_803_Exhibit_C_July_8_2024_Email_Thread_801975.pdf	16	Non Patent Literature	402 KB
NPL_7_Doc_804_Exhibit_D_May_30_2024_Email_Thread_801976.pdf	4	Non Patent Literature	223 KB
NPL_8_Doc_805_Exhibit_E_June_4_2024_Email_Thread_801977.pdf	5	Non Patent Literature	308 KB
NPL_9_Doc_806_Exhibit_F_June_24_2024_Email_Thread_801978.pdf	5	Non Patent Literature	257 KB
000137-0005-126-RCE.pdf	3	Request for Continued Examination (RCE)	1642 KB
000137-0005-126-SB08.pdf	5	Information Disclosure Statement (IDS) Form (SB08)	1352 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
NPL_11_Doc_808_Exhibit_H_July_12_2024_Email_Thread_801980.pdf	8B0BA345F18B6150381D528089BE0FD2495B93F836B77B978D8028649BFE325CD64353622CFD3F287635063F1C9F30AC171303BB2F61ECE1A9DD9B489BC6BB56
NPL_10_Doc_807_Exhibit_G_Excerpt_of_Markman_Hearing_Trans_801979.pdf	EFBF651213F02DF27584D3366CE4ECE61E54445EF78DDEB5FABE988EE6D1797069DE8289290144B77E07CF045A7E723CA6327282C74846299D9BC89AD6BE2762
NPL_12_Doc_809_Exhibit_I_20240309_MET_Letter_re_Discovery_801981.pdf	015B5316C6DC8880D219B8B33356B89775E4012E23D828DEB5411010EB73BE8D39B5C118B7134E956302E00EE02B02E568934737D5B9CA889EC8C93ECD7731D5
NPL_1_Doc_79_OPINION_AND_ORDER_801971.pdf	B1BCA100E8ADDD6C2C735E47F28378AF960F86E3392DD63694144BAAB21B0EEFBDF640CF715582B6312EEB7386181ECC12BCDDF0404770FFF973C74F97615078
NPL_3_Doc_801_Exhibit_A_SitNet_30b6_Notice_801973.pdf	3E5EACA3490E035BB43ABFCA04F9EA9751ADEE73972B8741EA63CBDD041549A6E479A77E97666254450846762583304E8CF5821D604DEC13D632F3E8C8CC1E92
NPL_2_Doc_80_Letter_Motion_for_Discovery_Protective_Orde_801972.pdf	13F213263E55CDA1F29BD63DE3C35791F1FCDDD31218B8FBCB86145C9827C16BDFD1F58A278D4DE8891954AE8C67EC5B5AA11C6ED71B115A216EE87E21831124
NPL_4_Doc_8010_Exhibit_J_April_19_2024_Email_Thread_801982.pdf	2316BD905A0AA7FA052B9C7323B88CCFB902079A7F973B0EFA79308527DDDD3554E465629310743E83080D56CE678967A63195F8462B09F44C6B2ECFE5C874D3
NPL_5_Doc_802_Exhibit_B_Meta_Response_to_SitNet_30b6_Not_801974.pdf	C65DD62734AD1B03058F56BDF2D3CA50AC5ADA455E9A128E763BF4CB3303431E6E7BF03D6000CAC53CC02557BF863303669DF28D9EE4D19E81917C9958233D41
NPL_6_Doc_803_Exhibit_C_July_8_2024_Email_Thread_801975.pdf	B02C33CC79D87CA20EDBA13920C68DF80710BC5AC81AEA905E4F20805AAD0EF047CB90C24B3EB97C3087E0FFB86C04986DC878B6A5C27E35BA740B9C48F69ACF

NPL_7_Doc_804_Exhibit_D_May_30_2024_Email_Thread_801976.pdf	1BC79D67753D045E2AE2554F1EE10754E1F617A6DF7F97780645204A3127BDF38560BBD5AC64412BA4475766BAB34DDB733A9461C3AC936F29BF3AB484B67DED
NPL_8_Doc_805_Exhibit_E_June_4_2024_Email_Thread_801977.pdf	02356DFA116046E85B641EFD3B61F47C7ADE70233FD121BF8EF05D6F037A2713F4CA59890F384291022D75D4A83E0A4921B315E6D9DF844EC7483091FB20944F
NPL_9_Doc_806_Exhibit_F_June_24_2024_Email_Thread_801978.pdf	DC0052E77EAFD9D096481A62B902DD6B9371B6884AA9DF58E0FBBD2C4FF1F94F447066AFE5A23203C0BA0671EEFE88798396C11E9B5A573213A7559DB843DFAF
000137-0005-126-RCE.pdf	778CFD766C3EC0D8EE817418BCBE8E8F21AA1DED678B7B978FD5930EFCB66E943039C1DCD9EF9D649C64D16A96F152BD6954FFDFD5A9EE7AA54CDACF93D7942C
000137-0005-126-SB08.pdf	3B824DEA1DC6531CB1F67E95CE707CBC8F05B040CFD1487A3BEFFDC9663B921AF52A022F444D2252F7AE2812BB34D2BD363AD1CB6AB18EF233FA435AEA0FCEEC

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

PTO/SB/30EFS (01-22)
Approved for use through 05/31/2024. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

REQUEST FOR CONTINUED EXAMINATION(RCE)TRANSMITTAL
(Submitted Only via EFS-Web)

Application Number	18639859	Filing Date	2024-04-18	Docket Number (if applicable)	000137-0005-126	Art Unit	2446
First Named Inventor	Thomas Cona			Examiner Name	Dustin Nguyen		

This is a Request for Continued Examination (RCE) under 37 CFR 1.114 of the above-identified application.
Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8, 1995, or to any design application. The Instruction Sheet for this form is located at WWW.USPTO.GOV

SUBMISSION REQUIRED UNDER 37 CFR 1.114

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

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

- ☐ Consider the arguments in the Appeal Brief or Reply Brief previously filed on _____
- ☐ Other _____

☒ Enclosed

- ☐ Amendment/Reply
- ☒ Information Disclosure Statement (IDS)
- ☐ Affidavit(s)/ Declaration(s)
- ☐ Other _____

MISCELLANEOUS

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

☐ Other _____

FEES

☒ **The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.**
The Director is hereby authorized to charge any underpayment of fees, or credit any overpayments, to Deposit Account No 061075

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

☒ Patent Practitioner Signature

☐ Applicant Signature

PTO/SB/30EFS (01-22)
Approved for use through 05/31/2024. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Signature of Registered U.S. Patent Practitioner			
Signature	/Maxim Rapoport/	Date (YYYY-MM-DD)	2024-07-26
Name	Maxim Rapoport	Registration Number	67675

This collection of information is required by 37 CFR 1.114. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450.

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

Privacy Act Statement

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

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

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

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

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

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

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

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

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

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

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

PTO/SB/08a (01-22)
Approved for use through 05/31/2024. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99**)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	DUSTIN NGUYEN
	Attorney Docket Number	000137-0005-126

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

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

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

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

FOREIGN PATENT DOCUMENTS Remove

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

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

NON-PATENT LITERATURE DOCUMENTS Remove

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

PC 6.1.24

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	DUSTIN NGUYEN
	Attorney Docket Number	000137-0005-126

	1	Doc 79 - OPINION AND ORDER; SDNY-1-23-cv-06389 Meta Platforms, Inc. v. SitNet LLC, Doc 79 - OPINION AND ORDER dated 07/16/2024 (10 Pages)	☐
	2	Doc 80 - Letter Motion for Discovery Protective Order; SDNY-1-23-cv-06389 Meta Platforms, Inc. v. SitNet LLC, Doc 80 - Letter Motion for Discovery Protective Order dated 07/17/2024 (74 Pages)	☐
	3	Doc 80-1 Exhibit A - SitNet 30b6 Notice; SDNY-1-23-cv-06389 Meta Platforms, Inc. v. SitNet LLC, Doc 80-1 Exhibit A - SitNet 30b6 Notice dated 07/17/2024 (15 Pages)	☐
	4	Doc 80-10 Exhibit J - April 19 2024 Email Thread; SDNY-1-23-cv-06389 Meta Platforms, Inc. v. SitNet LLC, Doc 80-10 Exhibit J - April 19 2024 Email Thread dated 07/17/2024 (8 Pages)	☐
	5	Doc 80-2 Exhibit B - Meta Response to SitNet 30b6 Notice; SDNY-1-23-cv-06389 Meta Platforms, Inc. v. SitNet LLC, Doc 80-2 Exhibit B - Meta Response to SitNet 30b6 Notice dated 07/17/2024 (4 Pages)	☐
	6	Doc 80-3 Exhibit C - July 8 2024 Email Thread; SDNY-1-23-cv-06389 Meta Platforms, Inc. v. SitNet LLC, Doc 80-3 Exhibit C - July 8 2024 Email Thread dated 07/17/2024 (16 Pages)	☐
	7	Doc 80-4 Exhibit D - May 30 2024 Email Thread; SDNY-1-23-cv-06389 Meta Platforms, Inc. v. SitNet LLC, Doc 80-4 Exhibit D - May 30 2024 Email Thread dated 07/17/2024 (4 Pages)	☐
	8	Doc 80-5 Exhibit E - June 4 2024 Email Thread; SDNY-1-23-cv-06389 Meta Platforms, Inc. v. SitNet LLC, Doc 80-5 Exhibit E - June 4 2024 Email Thread dated 07/17/2024 (5 Pages)	☐
	9	Doc 80-6 Exhibit F - June 24 2024 Email Thread; SDNY-1-23-cv-06389 Meta Platforms, Inc. v. SitNet LLC, Doc 80-6 Exhibit F - June 24 2024 Email Thread dated 07/17/2024 (5 Pages)	☐
	10	Doc 80-7 Exhibit G - Excerpt of Markman Hearing Transcript; SDNY-1-23-cv-06389 Meta Platforms, Inc. v. SitNet LLC, Doc 80-7 Exhibit G - Excerpt of Markman Hearing Transcript dated 07/17/2024 (7 Pages)	☐
	11	Doc 80-8 Exhibit H - July 12 2024 Email Thread; SDNY-1-23-cv-06389 Meta Platforms, Inc. v. SitNet LLC, Doc 80-8 Exhibit H - July 12 2024 Email Thread dated 07/17/2024 (3 Pages)	☐

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	DUSTIN NGUYEN
	Attorney Docket Number	000137-0005-126

	12	Doc 80-9 Exhibit I - 20240309 MET_Letter re Discovery Requests; SDNY-1-23-cv-06389 Meta Platforms, Inc. v. SitNet LLC, Doc 80-9 Exhibit I - 20240309 MET_Letter re Discovery Requests dated 07/17/2024 (4 Pages)	☐

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

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

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

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	DUSTIN NGUYEN
	Attorney Docket Number	000137-0005-126

CERTIFICATION STATEMENT

Please see 37 CFR 1.97(e) to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☒ A certification statement is not submitted herewith.

FEE

☐ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

COPIES

☐ An identification of an earlier application pursuant to 37 CFR 1.98 (d) (1) is attached.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Maxim Rapoport/	Date (YYYY-MM-DD)	2024-07-26
Name/Print	Maxim Rapoport	Registration Number	67,675

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

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

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

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

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

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

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

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

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

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

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

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

PTO/SB/08a (01-22)
Approved for use through 05/31/2024. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99**)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	DUSTIN NGUYEN
	Attorney Docket Number	000137-0005-126

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

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

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

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

FOREIGN PATENT DOCUMENTS Remove

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

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

NON-PATENT LITERATURE DOCUMENTS Remove

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

PC 6.1.24

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	DUSTIN NGUYEN
	Attorney Docket Number	000137-0005-126

	1	IPR2024-00612 Meta Platforms, Inc. v. SitNet LLC, SITNET LLC'S SUR-REPLY TO PETITIONER'S REPLY - 8,249,932_IPR2024-00612 dated 07/26/2024 (8 Pages)	☐
	2	IPR2024-00530 Meta Platforms, Inc. v. SitNet LLC, SITNET LLC'S SUR-REPLY TO PETITIONER'S REPLY - 9,877,345 dated 07/26/2024 (9 Pages)	☐
	3	IPR2024-00529 Meta Platforms, Inc. v. SitNet LLC, SITNET LLC'S SUR-REPLY TO PETITIONER'S REPLY - 8,332,454 dated 07/26/2024 (8 Pages)	☐
	4	IPR2024-00528 Meta Platforms, Inc. v. SitNet LLC, SITNET LLC'S SUR-REPLY TO PETITIONER'S REPLY - 8,249,932_IPR2024-00528 dated 07/26/2024 (7 Pages)	☐
	5	IPR2024-00612 Meta Platforms, Inc. v. SitNet LLC, "Markman Hearing Transcript" dated 07/26/2024 (75 pages)	☐
	6	IPR2024-00530 Meta Platforms, Inc. v. SitNet LLC, "Markman Hearing Transcript" dated 07/26/2024 (75 pages)	☐
	7	IPR2024-00529 Meta Platforms, Inc. v. SitNet LLC, "Markman Hearing Transcript" dated 07/26/2024 (75 pages)	☐
	8	IPR2024-00528 Meta Platforms, Inc. v. SitNet LLC, "Markman Hearing Transcript" dated 07/26/2024 (75 pages)	☐

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

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

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

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

PC 6.1.24

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	DUSTIN NGUYEN
	Attorney Docket Number	000137-0005-126

CERTIFICATION STATEMENT

Please see 37 CFR 1.97(e) to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☒ A certification statement is not submitted herewith.

FEE

☐ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

COPIES

☐ An identification of an earlier application pursuant to 37 CFR 1.98 (d) (1) is attached.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Maxim Rapoport/	Date (YYYY-MM-DD)	2024-07-31
Name/Print	Maxim Rapoport	Registration Number	67,675

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

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

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

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

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

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

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

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

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

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

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

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

UNITED STATES
PATENT AND TRADEMARK OFFICE

P.O. Box 1450
Alexandria, VA 22313 - 1450
www.uspto.gov

ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
18/639,859	**07/31/2024 05:37:18 PM Z ET**	**000137-0005-126**

Title of Invention

METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	6493	FILED BY	Tracy Chu
PATENT CENTER #	66601111	FILING DATE	04/18/2024
CUSTOMER #	1473	FIRST NAMED INVENTOR	Thomas Cona
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Maxim Rapoport

Documents

TOTAL DOCUMENTS: 9

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
5-IPR2024-00612 Markman Hearing Transcript.pdf	75	Non Patent Literature	746 KB
6-IPR2024-00530 Markman Hearing Transcript.pdf	75	Non Patent Literature	786 KB
4-REPLY TO PETITIONER REPLY 8249932 IPR2024-00528.pdf	7	Non Patent Literature	1349 KB
3-REPLY TO PETITIONER REPLY 8332454 IPR2024-00529.pdf	8	Non Patent Literature	1977 KB

1-REPLY TO PETITIONER REPLY 8249932 IPR2024-00612.pdf	8	Non Patent Literature	1894 KB
2-REPLY TO PETITIONER REPLY 9877345 IPR2024-00530.pdf	9	Non Patent Literature	1859 KB
7-IPR2024-00529 Markman Hearing Transcript.pdf	75	Non Patent Literature	746 KB
8-IPR2024-00528 Markman Hearing Transcript.pdf	75	Non Patent Literature	746 KB
000137-0005-126 SB08.pdf	4	Information Disclosure Statement (IDS) Form (SB08)	1351 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
5-IPR2024-00612 Markman Hearing Transcript.pdf	52C78D3BFF73067370985E41159F285683CCB1F6EE6A1FECC2FF2DDFB185CD16AD41739D9C8C4E30A3F7F923923DB04621C07ED81A0133C62A30B1322DA49419
6-IPR2024-00530 Markman Hearing Transcript.pdf	8B14C90BCD7FC0AF035C17F4298AAD4FE7F2D489570EE428ACBC599FEA53F0540589AE9E787C6085072F08EDC8580F5BD397EFD2CE0C1C651FF4858A39ED3418
4-REPLY TO PETITIONER REPLY 8249932 IPR2024-00528.pdf	D557CCA3FB160C097A72D9076E1224F87F9DB3C38D9BEFF2A297D0A936DD1B34DE43D971C648D90E6CD125D931BA7A28AB78F7D17BC25198A76B3652779786D2
3-REPLY TO PETITIONER REPLY 8332454 IPR2024-00529.pdf	37A56059D0693274BA1E23EF8539AA989E444A56649D6085D491A1276E9DD907AC405BAB6D530FE9130846665F4A7DD2A87EB3DCE50E05AC8A1B26A2C412019D
1-REPLY TO PETITIONER	824597A33B05D21042338584D90DBB466EA5DB804878DDFCE

REPLY 8249932 IPR2024-00612.pdf	045E10E9BFE7C47AF851493FB3831007BC6146DE5426C79ECF637E367A0A55A7D7C807A84D609A5
2-REPLY TO PETITIONER REPLY 9877345 IPR2024-00530.pdf	2E22B1FEB0931C1B20A4998CBFFAB80241F4973D29ED67C1AE0800997B4B07B9B8835A8E3E9512ACB0467C8E8C0F390ADB238C47CC206B3B0AA95D0187B7ECB3
7-IPR2024-00529 Markman Hearing Transcript.pdf	1E3B1E7D5F0550EA459F377DC807E485A7D93F622197FBC232533ABC756E821513D6BB7E91B9C3F39225696E1584B1825838E730FD1C577E472D21415711F719
8-IPR2024-00528 Markman Hearing Transcript.pdf	F7CE26A99C348DB9A64688E3A4EEE6105B785A85479627A03C09F2FFE806CFB91227A41A56B20A06FEA69B950F70846A807BDD6E1D097434EE8A1681128D35B1
000137-0005-126 SB08.pdf	4427CE9F8477301B2780A3F9EFE7320C4655690BDD39D0CE243B892ACED225FD08489025AA4BCCBBBAD61FD71351D433CCECCD11F5D7CF528EE2792FE6CB1AED

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

UNITED STATES PATENT AND TRADEMARK OFFICE

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.
18/639,859	04/18/2024	Thomas Cona	000137-0005-126	6493

1473 7590 08/02/2024

Haley Guiliano LLP
75 Broad Street
Suite 1000
New York, NY 10004-3226

EXAMINER	
NGUYEN, DUSTIN	

ART UNIT	PAPER NUMBER
2446	

NOTIFICATION DATE	DELIVERY MODE
08/02/2024	ELECTRONIC

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

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

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

DocketRequests@hglaw.com
HGPatentDocket@hglaw.com
haleyguiliano_PAIR@firsttofile.com

Corrected ***Notice of Allowability***	**Application No.** 18/639,859	**Applicant(s)** Cona et al.	
	Examiner DUSTIN NGUYEN	**Art Unit** 2446	**AIA (FITF) Status** No

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

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☑ This communication is responsive to 07/26/2024.
   ☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

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

3. ☑ The allowed claim(s) is/are See Continuation Sheet . As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see **http://www.uspto.gov/patents/init_events/pph/index.jsp** or send an inquiry to **PPHfeedback@uspto.gov.**

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

   Certified copies:

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

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

   * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file 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 07/26/2024.
3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material _____.
4. ☐ Interview Summary (PTO-413), Paper No./Mail Date. _____.
5. ☐ Examiner's Amendment/Comment
6. ☐ Examiner's Statement of Reasons for Allowance
7. ☐ Other _____.

/DUSTIN NGUYEN/
Primary Examiner, Art Unit 2446

Continuation of 3. The allowed claim(s) is/are: 2-31, now renumbered as 1-30

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

PTO/SB/08a (01-22)
Approved for use through 05/31/2024. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number	18639859
Filing Date	2024-04-18
First Named Inventor	Thomas Cona
Art Unit	2446
Examiner Name	DUSTIN NGUYEN
Attorney Docket Number	000137-0005-126

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

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

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

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

FOREIGN PATENT DOCUMENTS Remove

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

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

NON-PATENT LITERATURE DOCUMENTS Remove

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

PC 6.1.24

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	DUSTIN NGUYEN
	Attorney Docket Number	000137-0005-126

	1	Doc 79 - OPINION AND ORDER; SDNY-1-23-cv-06389 Meta Platforms, Inc. v. SitNet LLC, Doc 79 - OPINION AND ORDER dated 07/16/2024 (10 Pages)	☐
	2	Doc 80 - Letter Motion for Discovery Protective Order; SDNY-1-23-cv-06389 Meta Platforms, Inc. v. SitNet LLC, Doc 80 - Letter Motion for Discovery Protective Order dated 07/17/2024 (74 Pages)	☐
	3	Doc 80-1 Exhibit A - SitNet 30b6 Notice; SDNY-1-23-cv-06389 Meta Platforms, Inc. v. SitNet LLC, Doc 80-1 Exhibit A - SitNet 30b6 Notice dated 07/17/2024 (15 Pages)	☐
	4	Doc 80-10 Exhibit J - April 19 2024 Email Thread; SDNY-1-23-cv-06389 Meta Platforms, Inc. v. SitNet LLC, Doc 80-10 Exhibit J - April 19 2024 Email Thread dated 07/17/2024 (8 Pages)	☐
	5	Doc 80-2 Exhibit B - Meta Response to SitNet 30b6 Notice; SDNY-1-23-cv-06389 Meta Platforms, Inc. v. SitNet LLC, Doc 80-2 Exhibit B - Meta Response to SitNet 30b6 Notice dated 07/17/2024 (4 Pages)	☐
	6	Doc 80-3 Exhibit C - July 8 2024 Email Thread; SDNY-1-23-cv-06389 Meta Platforms, Inc. v. SitNet LLC, Doc 80-3 Exhibit C - July 8 2024 Email Thread dated 07/17/2024 (16 Pages)	☐
	7	Doc 80-4 Exhibit D - May 30 2024 Email Thread; SDNY-1-23-cv-06389 Meta Platforms, Inc. v. SitNet LLC, Doc 80-4 Exhibit D - May 30 2024 Email Thread dated 07/17/2024 (4 Pages)	☐
	8	Doc 80-5 Exhibit E - June 4 2024 Email Thread; SDNY-1-23-cv-06389 Meta Platforms, Inc. v. SitNet LLC, Doc 80-5 Exhibit E - June 4 2024 Email Thread dated 07/17/2024 (5 Pages)	☐
	9	Doc 80-6 Exhibit F - June 24 2024 Email Thread; SDNY-1-23-cv-06389 Meta Platforms, Inc. v. SitNet LLC, Doc 80-6 Exhibit F - June 24 2024 Email Thread dated 07/17/2024 (5 Pages)	☐
	10	Doc 80-7 Exhibit G - Excerpt of Markman Hearing Transcript; SDNY-1-23-cv-06389 Meta Platforms, Inc. v. SitNet LLC, Doc 80-7 Exhibit G - Excerpt of Markman Hearing Transcript dated 07/17/2024 (7 Pages)	☐
	11	Doc 80-8 Exhibit H - July 12 2024 Email Thread; SDNY-1-23-cv-06389 Meta Platforms, Inc. v. SitNet LLC, Doc 80-8 Exhibit H - July 12 2024 Email Thread dated 07/17/2024 (3 Pages)	☐

PC 6.1.24

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	DUSTIN NGUYEN
	Attorney Docket Number	000137-0005-126

	12	Doc 80-9 Exhibit I - 20240309 MET_Letter re Discovery Requests; SDNY-1-23-cv-06389 Meta Platforms, Inc. v. SitNet LLC, Doc 80-9 Exhibit I - 20240309 MET_Letter re Discovery Requests dated 07/17/2024 (4 Pages)	☐

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

EXAMINER SIGNATURE

Examiner Signature	/DUSTIN NGUYEN/	Date Considered	07/29/2024

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

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

PC 6.1.24

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	DUSTIN NGUYEN
	Attorney Docket Number	000137-0005-126

CERTIFICATION STATEMENT

Please see 37 CFR 1.97(e) to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☒ A certification statement is not submitted herewith.

FEE

☐ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

COPIES

☐ An identification of an earlier application pursuant to 37 CFR 1.98 (d) (1) is attached.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Maxim Rapoport/	Date (YYYY-MM-DD)	2024-07-26
Name/Print	Maxim Rapoport	Registration Number	67,675

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

Privacy Act Statement

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

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

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

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

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

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

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

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

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

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

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

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

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
18/639,859	04/18/2024	Thomas Cona	000137-0005-126

CONFIRMATION NO. 6493

1473
Haley Guiliano LLP
75 Broad Street
Suite 1000
New York, NY 10004-3226

PUBLICATION NOTICE

OC000000076258359

Date Mailed: 08/09/2024

Title:METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK

Publication No.US-2024-0267995-A1
Publication Date:08/08/2024

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 viewed using the USPTO's publicly available Searchable Databases via the Patent Public Search tool at www.uspto.gov. The direct link to access the Patent Public Search tool is currently https://ppubs.uspto.gov/pubwebapp/static/pages/ppubsbasic.html.

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

In addition, information on the status of the application, including the mailing date of Office actions and the dates of receipt of correspondence filed in the Office, may also be accessed via the Internet through Patent Center, the USPTO's electronic patent application filing and management system. The direct link to access this status information is currently https://patentcenter.uspto.gov/. Prior to publication, such status information is confidential and may only be obtained by applicant using the private side of Patent Center.

Further assistance in electronically accessing the publication, or about Patent Center, 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

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.
18/639,859	04/18/2024	Thomas Cona	000137-0005-126	6493

1473 7590 08/22/2024

Haley Guiliano LLP
75 Broad Street
Suite 1000
New York, NY 10004-3226

EXAMINER	
NGUYEN, DUSTIN	

ART UNIT	PAPER NUMBER
2446	

NOTIFICATION DATE	DELIVERY MODE
08/22/2024	ELECTRONIC

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

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

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

DocketRequests@hglaw.com
HGPatentDocket@hglaw.com
haleyguiliano_PAIR@firsttofile.com

Corrected ***Notice of Allowability***	**Application No.** 18/639,859	**Applicant(s)** Cona et al.	
	Examiner DUSTIN NGUYEN	**Art Unit** 2446	**AIA (FITF) Status** No

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

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☑ This communication is responsive to 07/26/2024.
   ☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

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

3. ☑ The allowed claim(s) is/are See Continuation Sheet . As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see **http://www.uspto.gov/patents/init_events/pph/index.jsp** or send an inquiry to **PPHfeedback@uspto.gov.**

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

   Certified copies:

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

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

   * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file 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 07/16/2024.
3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material _____.
4. ☐ Interview Summary (PTO-413), Paper No./Mail Date. _____.
5. ☐ Examiner's Amendment/Comment
6. ☐ Examiner's Statement of Reasons for Allowance
7. ☐ Other _____.

/DUSTIN NGUYEN/
Primary Examiner, Art Unit 2446

Continuation of 3. The allowed claim(s) is/are: 2-31, now renumbered as 1-30

PTO/SB/08a (01-22)
Approved for use through 05/31/2024. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	DUSTIN NGUYEN
	Attorney Docket Number	000137-0005-126

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

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

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

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

FOREIGN PATENT DOCUMENTS Remove

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

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

NON-PATENT LITERATURE DOCUMENTS Remove

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

PC 6.1.24

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	DUSTIN NGUYEN
	Attorney Docket Number	000137-0005-126

	1	Exhibit 2001- Joint Claim Construction Brief filed by Sitnet LLC vs. Meta Platforms, INC., Civil Action No. 1:23-cv-06389-AS, Under, IPR024- 00528, June 21, 2024, 65 pages.	☐
	2	Exhibit 2001- Joint Claim Construction Brief filed by Sitnet LLC vs. Meta Platforms, INC., Civil Action No. 1:23-cv-06389-AS, Under, IPR024- 00529, June 13, 2024, 65 pages.	☐
	3	Exhibit 2001- Joint Claim Construction Brief filed by Sitnet LLC vs. Meta Platforms, INC., Civil Action No. 1:23-cv-06389-AS, Under, IPR024- 00530, June 13, 2024, 65 pages.	☐
	4	Exhibit 2001- Joint Claim Construction Brief filed by Sitnet LLC vs. Meta Platforms, INC., Civil Action No. 1:23-cv-06389-AS, Under, IPR024-00612, June 21, 2024, 65 pages.	☐
	5	Exhibit 2002- Amended Joint Claim Construction Chart filed by Sitnet LLC vs. Meta Platforms, INC., Civil Action No. 1:23-cv-06389-AS, Under IPR2024- 00612, June 21, 2024, 11 pages.	☐
	6	Exhibit 2002- Amended Joint Claim Construction Chart filed by Sitnet LLC vs. Meta Platforms, INC., Civil Action No. 1:23-cv-06389-AS, Under IPR2024-00528, June 21, 2024, 11 pages.	☐
	7	Exhibit 2002- Amended Joint Claim Construction Chart filed by Sitnet LLC vs. Meta Platforms, INC., Civil Action No. 1:23-cv-06389-AS, Under IPR2024-00529, June 13, 2024, 11 pages.	☐
	8	Exhibit 2002- Amended Joint Claim Construction Chart filed by Sitnet LLC vs. Meta Platforms, INC., Civil Action No. 1:23-cv-06389-AS, Under IPR2024-00530, June 13, 2024, 11 pages.	☐
	9	Preliminary Response to Petition for Inter Partes Review filed by Meta Platforms, INC. vs. Sitnet LLC., of U.S. Patent No. 8,249,932, Under IPR Case No.: 2024-00528, June 21, 2024, 29 pages.	☐
	10	Preliminary Response to Petition for Inter Partes Review filed by Meta Platforms, INC. vs. Sitnet LLC., of U.S. Patent No. 8,249,932, Under IPR Case No.: 2024-00612, June 21, 2024, 29 pages.	☐
	11	Preliminary Response to Petition for Inter Partes Review filed by Meta Platforms, INC. vs. Sitnet LLC., of U.S. Patent No. 8,332,454, Under IPR Case No.: 2024-00529, June 13, 2024, 27 pages.	☐

PC 6.1.24

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	DUSTIN NGUYEN
	Attorney Docket Number	000137-0005-126

	12	Preliminary Response to Petition for Inter Partes Review filed by Meta Platforms, INC. vs. Sitnet LLC., of U.S. Patent No. 9,877,345, Under IPR Case No.: 2024-00530, June 13, 2024, 34 pages.	☐

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

EXAMINER SIGNATURE

Examiner Signature	/DUSTIN NGUYEN/	Date Considered	08/19/2024

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

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

PC 6.1.24

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	DUSTIN NGUYEN
	Attorney Docket Number	000137-0005-126

CERTIFICATION STATEMENT

Please see 37 CFR 1.97(e) to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☒ A certification statement is not submitted herewith.

FEE

☒ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

COPIES

☐ An identification of an earlier application pursuant to 37 CFR 1.98 (d) (1) is attached.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Maxim Rapoport/	Date (YYYY-MM-DD)	2024-07-16
Name/Print	Maxim Rapoport	Registration Number	67,675

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

Privacy Act Statement

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

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

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

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

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

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

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

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

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

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

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

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

UNITED STATES
PATENT AND TRADEMARK OFFICE

P.O. Box 1450
Alexandria, VA 22313 - 1450
www.uspto.gov

ELECTRONIC PAYMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
18/639,859	**08/26/2024 01:49:54 PM Z ET**	**000137-0005-126**

Title of Invention

METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	6493	FILED BY	Shari Jackson
PATENT CENTER #	66924017	AUTHORIZED BY	Maxim Rapoport
CUSTOMER #	1473	FILING DATE	04/18/2024
CORRESPONDENCE ADDRESS	-	FIRST NAMED INVENTOR	Thomas Cona

Payment Information

PAYMENT METHOD	PAYMENT TRANSACTION ID	PAYMENT AUTHORIZED BY
DA / 061075	**E20248PD51178507**	**Shari Jackson**

PRE-AUTHORIZED ACCOUNT	PRE-AUTHORIZED CATEGORY
061075	**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)**

FEE CODE	DESCRIPTION	ITEM PRICE($)	QUANTITY	ITEM TOTAL($)
1501	UTILITY ISSUE FEE	1200.00	1	1200.00
			TOTAL AMOUNT:	**$1,200.00**

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

New Applications Under 35 U.S.C. 111

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

Receipt will establish the filing date of the application

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

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

New International Application Filed with the USPTO as a Receiving Office

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

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), by mail or fax, or via the USPTO patent electronic filing system.

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

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

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence 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. **Because electronic patent issuance may occur shortly after issue fee payment, any desired continuing application should preferably be filed prior to payment of this issue fee in order not to jeopardize copendency.**

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

1473 7590 07/22/2024
Haley Guiliano LLP
75 Broad Street
Suite 1000
New York, NY 10004-3226

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being transmitted to the USPTO via the USPTO patent electronic filing system or by facsimile to (571) 273-2885, on the date below.

(Typed or printed name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
18/639,859	04/18/2024	Thomas Cona	000137-0005-126	6493

TITLE OF INVENTION: METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	$1200	$0.00	$0.00	$1200	10/22/2024

EXAMINER	ART UNIT	CLASS-SUBCLASS
NGUYEN, DUSTIN	2446	455-404100

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/AIA/122 or PTO/SB/122) attached.

❑ "Fee Address" indication (or "Fee Address" Indication form PTO/AIA/47 or 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 Haley Guiliano LLP
2
3

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

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

(A) NAME OF ASSIGNEE: SITNET LLC
(B) RESIDENCE: (CITY and STATE OR COUNTRY): DOVER, DELAWARE

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

4a. Fees submitted: ☒ Issue Fee ❑ Publication Fee (if required)

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

☒ Electronic Payment via the USPTO patent electronic filing system ❑ Enclosed check ❑ Non-electronic payment by credit card (Attach form PTO-2038)

☒ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment to Deposit Account No. 06-1075

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 /Maxim A. Rapoport/ Date August 26, 2024

Typed or printed name Maxim A. Rapoport Registration No. 67,675

UNITED STATES
PATENT AND TRADEMARK OFFICE

P.O. Box 1450
Alexandria, VA 22313 - 1450
www.uspto.gov

ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
18/639,859	**08/26/2024 01:49:54 PM Z ET**	**000137-0005-126**

Title of Invention

METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	6493	FILED BY	Shari Jackson
PATENT CENTER #	66924017	FILING DATE	04/18/2024
CUSTOMER #	1473	FIRST NAMED INVENTOR	Thomas Cona
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Maxim Rapoport

Documents

TOTAL DOCUMENTS: 1

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
000137-0005-126-IF.pdf	1	Issue Fee Payment (PTO-85B)	124 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
000137-0005-126-IF.pdf	DBA2339B658292DD44770898A810F28744F01BB2E91DE3D16 186B0C6124E077085A48E5A70E632208B8D1BEA2D9426DAAA 94478E370CB5662C03D9366B38BB82

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

UNITED STATES PATENT AND TRADEMARK OFFICE

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.
18/639,859	04/18/2024	Thomas Cona	000137-0005-126	6493

1473 7590 09/06/2024

Haley Guiliano LLP
75 Broad Street
Suite 1000
New York, NY 10004-3226

EXAMINER	
NGUYEN, DUSTIN	

ART UNIT	PAPER NUMBER
2446	

NOTIFICATION DATE	DELIVERY MODE
09/06/2024	ELECTRONIC

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

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

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

DocketRequests@hglaw.com
HGPatentDocket@hglaw.com
haleyguiliano_PAIR@firsttofile.com

Corrected ***Notice of Allowability***	**Application No.** 18/639,859	**Applicant(s)** Cona et al.	
	Examiner DUSTIN NGUYEN	**Art Unit** 2446	**AIA (FITF) Status** No

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

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☑ This communication is responsive to 07/03/2024.
   ☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

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

3. ☑ The allowed claim(s) is/are See Continuation Sheet . As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see **http://www.uspto.gov/patents/init_events/pph/index.jsp** or send an inquiry to **PPHfeedback@uspto.gov.**

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

   Certified copies:

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

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

   * Certified copies not received: _____ .

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

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

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

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

Attachment(s)

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

/DUSTIN NGUYEN/
Primary Examiner, Art Unit 2446

Continuation of 3. The allowed claim(s) is/are: 2-31, now renumbered as 1-30

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	18/639,859	Cona et al.
	Examiner	Art Unit
	DUSTIN NGUYEN	2446

CPC - Searched*		
Symbol	**Date**	**Examiner**
H04L 41/344; 63/06	06/28/2024	DN
H04W 76/50	06/28/2024	DN
G08B 21/028	06/28/2024	DN

CPC Combination Sets - Searched*		
Symbol	**Date**	**Examiner**

US Classification - Searched*			
Class	**Subclass**	**Date**	**Examiner**

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

Search Notes		
Search Notes	**Date**	**Examiner**
inventor name search	06/28/2024	DN
search results from related applications	06/28/2024	DN
review double patenting rejection	06/28/2024	DN
non patent literature search (ACM, and google)	07/11/2024	DN
updated search PE2E	09/03/2024	DN

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	18/639,859	Cona et al.
	Examiner	Art Unit
	DUSTIN NGUYEN	2446

Interference Search			
US Class/CPC Symbol	**US Subclass/CPC Group**	**Date**	**Examiner**
H04W	76/50	07/11/2024	DN
H04L	41/344; 63/06	07/11/2024	DN

PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
L48	2	(situational near5 network SAME event) AND (social near5 feed) AND (roll).clm.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/03 06:38 PM
L49	0	(situational near5 join* SAME event) AND (social near5 feed) AND (roll).clm.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/03 06:39 PM
L50	0	(situational near5 join* SAME event) AND (social near5 feed) AND (roll near5 call)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/03 06:39 PM
L51	17	(situational near5 event) AND (social near5 feed) AND (roll near5 call)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY,	OR	ON	ON	2024/09/03 06:39 PM

			CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L52	28	(situational SAME social near5 event) AND (roll near5 call)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/03 06:40 PM
L53	0	(situational SAME social near5 feed) AND (roll near5 call)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/03 06:41 PM
L54	0	(situational SAME social SAME event) AND (roll near5 join*)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH,	OR	ON	ON	2024/09/03 06:41 PM

			TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L55	3	(situational SAME social SAME event) AND (roll SAME join*)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/09/03 06:42 PM

PE2E SEARCH - Search History (Interference)

There are no Interference searches to show.

United States Patent and Trademark Office

Office of the Chief Financial Officer

Document Code:WFEE

User :Tyrone Perry-Williams

Sale Accounting Date:01/22/2025

Sale Item Reference Number	Effective Date
18639859	01/14/2025

Document Number	Fee Code	Fee Code Description	Amount Paid	Payment Method
I20251LH03156501	1806	SUBMISSION- INFORMATION DISCLOSURE STMT	$260.00	Deposit Account

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.
18/639,859	04/18/2024	Thomas Cona	000137-0005-126	6493

1473 7590 01/29/2025

Haley Guiliano LLP
75 Broad Street
Suite 510
New York, NY 10004-3222

EXAMINER	
NGUYEN, DUSTIN	

ART UNIT	PAPER NUMBER
2446	

NOTIFICATION DATE	DELIVERY MODE
01/29/2025	ELECTRONIC

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

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

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

HGPatentDocket@hglaw.com

Corrected ***Notice of Allowability***	**Application No.** 18/639,859	**Applicant(s)** Cona et al.	
	Examiner DUSTIN NGUYEN	**Art Unit** 2446	**AIA (FITF) Status** No

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

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☑ This communication is responsive to 07/31/2024.
   ☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

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

3. ☑ The allowed claim(s) is/are See Continuation Sheet . As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see **http://www.uspto.gov/patents/init_events/pph/index.jsp** or send an inquiry to **PPHfeedback@uspto.gov.**

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

   Certified copies:

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

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

   * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file 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 07/31/2024.
3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material _____.
4. ☐ Interview Summary (PTO-413), Paper No./Mail Date. _____.
5. ☐ Examiner's Amendment/Comment
6. ☐ Examiner's Statement of Reasons for Allowance
7. ☐ Other _____.

/DUSTIN NGUYEN/
Primary Examiner, Art Unit 2446

Continuation of 3. The allowed claim(s) is/are: 2-31, now renumbered as 1-30

PTO/SB/08a (01-22)
Approved for use through 05/31/2024. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (**Not for submission under 37 CFR 1.99)**		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	DUSTIN NGUYEN
	Attorney Docket Number	000137-0005-126

U.S.PATENTS Remove

Examiner Initial*	Cite No	Patent Number	Kind Code[1]	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

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

U.S.PATENT APPLICATION PUBLICATIONS Remove

Examiner Initial*	Cite No	Publication Number	Kind Code[1]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1					

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

FOREIGN PATENT DOCUMENTS Remove

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

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

NON-PATENT LITERATURE DOCUMENTS Remove

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

PC 6.1.24

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	DUSTIN NGUYEN
	Attorney Docket Number	000137-0005-126

	1	IPR2024-00612 Meta Platforms, Inc. v. SitNet LLC, SITNET LLC'S SUR-REPLY TO PETITIONER'S REPLY - 8,249,932_IPR2024-00612 dated 07/26/2024 (8 Pages)	☐
	2	IPR2024-00530 Meta Platforms, Inc. v. SitNet LLC, SITNET LLC'S SUR-REPLY TO PETITIONER'S REPLY - 9,877,345 dated 07/26/2024 (9 Pages)	☐
	3	IPR2024-00529 Meta Platforms, Inc. v. SitNet LLC, SITNET LLC'S SUR-REPLY TO PETITIONER'S REPLY - 8,332,454 dated 07/26/2024 (8 Pages)	☐
	4	IPR2024-00528 Meta Platforms, Inc. v. SitNet LLC, SITNET LLC'S SUR-REPLY TO PETITIONER'S REPLY - 8,249,932_IPR2024-00528 dated 07/26/2024 (7 Pages)	☐
	5	IPR2024-00612 Meta Platforms, Inc. v. SitNet LLC, "Markman Hearing Transcript" dated 07/26/2024 (75 pages)	☐
	6	IPR2024-00530 Meta Platforms, Inc. v. SitNet LLC, "Markman Hearing Transcript" dated 07/26/2024 (75 pages)	☐
	7	IPR2024-00529 Meta Platforms, Inc. v. SitNet LLC, "Markman Hearing Transcript" dated 07/26/2024 (75 pages)	☐
	8	IPR2024-00528 Meta Platforms, Inc. v. SitNet LLC, "Markman Hearing Transcript" dated 07/26/2024 (75 pages)	☐

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

EXAMINER SIGNATURE

Examiner Signature	/DUSTIN NGUYEN/	Date Considered	01/23/2025

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

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

PC 6.1.24

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
	Application Number	18639859
	Filing Date	2024-04-18
	First Named Inventor	Thomas Cona
	Art Unit	2446
	Examiner Name	DUSTIN NGUYEN
	Attorney Docket Number	000137-0005-126

CERTIFICATION STATEMENT

Please see 37 CFR 1.97(e) to make the appropriate selection(s):

☐ That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☒ A certification statement is not submitted herewith.

FEE

☐ The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

COPIES

☐ An identification of an earlier application pursuant to 37 CFR 1.98 (d) (1) is attached.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Maxim Rapoport/	Date (YYYY-MM-DD)	2024-07-31
Name/Print	Maxim Rapoport	Registration Number	67,675

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

Privacy Act Statement

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

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

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

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

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

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

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

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

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

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

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

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

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.
18/639,859	02/25/2025	12238815	000137-0005-126	6493

1473 7590 02/05/2025

Haley Guiliano LLP
75 Broad Street
Suite 510
New York, NY 10004-3222

ISSUE NOTIFICATION

The projected patent number and issue date are specified above. The patent will issue electronically. The electronically issued patent is the official patent grant pursuant to 35 U.S.C. § 153. The patent may be accessed on or after the issue date through Patent Center at https://patentcenter.uspto.gov/. The patent will be available in both the public and the private sides of Patent Center. Further assistance in electronically accessing the patent, or about Patent Center, is available by calling the Patent Electronic Business Center at 1-888-217-9197.

The USPTO is implementing electronic patent issuance with a transition period, during which period the USPTO will mail a ceremonial paper copy of the electronic patent grant to the correspondence address of record. Additional copies of the patent (i.e., certified and presentation copies) may be ordered for a fee from the USPTO's Certified Copy Center at https://certifiedcopycenter.uspto.gov/index.html. The Certified Copy Center may be reached at (800)972-6382.

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 39 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 Center (https://patentcenter.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 Patents Stakeholder Experience (OPSE), Stakeholder Support Division (SSD) at (571)-272-4200.

INVENTOR(s) (Please see PATENT CENTER site https://patentcenter.uspto.gov for additional inventors):

Thomas Cona, Athens, GA;
Patrick T. Igoe, Philadelphia, PA;
Leonid Kravets, Philadelphia, PA;
Edward A. Ehrlacher, Philadelphia, PA;

APPLICANT(s) (Please see PATENT CENTER site https://patentcenter.uspto.gov for additional applicants):

SitNet LLC, Dover, DE;

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.

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.
18/639,859	04/18/2024	Thomas Cona	000137-0005-126	6493

1473 7590 02/25/2025

Haley Guiliano LLP
75 Broad Street
Suite 510
New York, NY 10004-3222

EXAMINER	
NGUYEN, DUSTIN	

ART UNIT	PAPER NUMBER
2446	

NOTIFICATION DATE	DELIVERY MODE
02/25/2025	ELECTRONIC

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

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

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

HGPatentDocket@hglaw.com

APPLICATION NO.	ISSUE DATE	PATENT NO.
18/639,859	25-Feb-2025	12238815

Haley Guiliano LLP
75 Broad Street
New York, NY 10004-3222

EGRANT NOTIFICATION

Your electronic patent grant (eGrant) is now available, which can be accessed via Patent Center at https://patentcenter.uspto.gov

The electronic patent grant is the official patent grant under 35 U.S.C. 153. For more information, please visit https://www.uspto.gov/electronicgrants