

TRANSMITTAL FOR POWER OF ATTORNEY TO ONE OR MORE REGISTERED PRACTITIONERS

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

Application Number	
Filing Date	
First Named Inventor	Thomas Cona
Title	METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK
Art Unit	
Examiner Name	
Attorney Docket Number	RCL-005-17

SIGNATURE of Applicant or Patent Practitioner

Signature	/Joseph Miller/	Date (Optional)	
Name	Joseph Miller	Registration Number	61748
Title (if Applicant is a juristic entity)			
Applicant Name (if Applicant is a juristic entity)			

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

☐

*Total of _____ forms are submitted.

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

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

POWER OF ATTORNEY BY APPLICANT

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

Application Number

Filing Date

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



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

84212

OR



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

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



The address associated with the above-mentioned Customer Number

OR



The address associated with Customer Number:

OR

Firm or
Individual Name

Address

City

State

Zip

Country

Telephone

Email

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

Resource Consortium Limited



Inventor or Joint Inventor (title not required below)



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



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



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

SIGNATURE of Applicant for Patent

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

Signature

Date (Optional)

15/09/14

Name

Gordon R. Henning

Title

Vice President

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



Total of forms are submitted.

This collection of information is required by 37 CFR 1.131, 1.32, and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 38 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9198 and select option 2.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		
	Filing Date		
	First Named Inventor	Thomas Cona	
	Art Unit		
	Examiner Name		
	Attorney Docket Number	RCL-005-17	

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		1998-11-10	NEWMAN	
	2	6091956		2000-07-18	HOLLENBERG	
	3	6112074		2000-08-29	PINDER	
	4	6295001		2001-09-25	BARBER	
	5	6424840		2002-07-23	FITCH et al.	
	6	6542750		2003-04-01	HENDREY et al.	
	7	6563910		2003-05-13	MENARD et al.	
	8	6600928		2003-07-29	AHYA et al.	

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

Application Number		
Filing Date		
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Examiner Name		
Attorney Docket Number	RCL-005-17	

9	6785681		2004-08-31	KESKAR et al.	
10	6788766		2004-09-07	LOGAN	
11	6947754		2005-09-20	OGASAWARA	
12	6970871		2005-11-29	TERRY	
13	7027055		2006-04-11	ANDERSON et al.	
14	7058385		2006-06-06	LAUPER	
15	7091829		2006-08-15	LEE	
16	7151939		2006-12-19	SHEYNBLAT	
17	7177398		2007-02-13	MEER et al.	
18	7181346		2007-02-20	KLEIST et al.	
19	7194249		2007-03-20	PHILLIPS et al.	

**INFORMATION DISCLOSURE
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Application Number		
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Attorney Docket Number	RCL-005-17	

20	7221928		2007-05-22	LAIRD et al.	
21	7231220		2007-06-12	REDDY et al.	
22	7233974		2007-06-19	KAWAHARA et al.	
23	7239871		2007-07-03	SHAMP et al.	
24	7242948		2007-07-10	FLEISCHER et al.	
25	7245925		2007-07-17	ZELLNER	
26	7254607		2007-08-07	HUBBARD et al.	
27	7266558		2007-09-04	GRAY	
28	7283045		2007-10-16	MANZ	
29	7317705		2008-01-08	HANSON	
30	7487112		2009-02-03	BARNES JR. et al.	

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Attorney Docket Number	RCL-005-17	

31	7523191		2009-04-21	THOMAS et al.	
32	7532900		2009-05-12	WILSON et al.	
33	7557689		2009-07-07	NABIL et al.	
34	7672281		2010-03-02	HUMPHRIES et al.	
35	7676233		2010-03-09	REHKOPF	
36	7711475		2010-05-04	CONA et al.	
37	7812717		2010-10-12	CONA et al.	
38	7860519		2010-12-28	PORTMAN et al.	
39	8000893		2011-06-16	CONA et al.	
40	8036632		2011-10-11	CONA et al.	
41	8045455		2011-10-25	AGRONOW et al.	

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Attorney Docket Number	RCL-005-17	

42	8230456	2012-07-24	JACOBY et al.
43	8358609	2013-01-22	CONA et al.

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

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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	20010009857		2001-07-26	VANITTINEN	
	2	20020107029		2002-08-08	CAUGHRAN et al.	
	3	20020161838		2002-10-31	PICKOVER et al.	
	4	20020177428		2002-11-28	MENARD et al.	
	5	20020181684		2002-12-05	LOGAN	
	6	20030148774		2003-08-07	NAGHIAN et al.	
	7	20030162557		2003-08-28	SHIDA	

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Application Number		
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First Named Inventor	Thomas Cona	
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Attorney Docket Number	RCL-005-17	

8	20030197615		2003-10-23	ROCHE et al.	
9	20040023666		2004-02-05	MOON et al.	
10	20040039807		2004-02-26	BOVEDA et al.	
11	20050033511		2005-02-10	PECHATNIKOV et al.	
12	20050096840		2005-05-05	SIMSKE	
13	20050132016		2005-06-16	BOONE	
14	20050135428		2005-06-23	HELLGREN	
15	20060211404		2006-09-21	CROMP et al.	
16	20060274743		2006-12-07	YEGIN et al.	
17	20060287872		2006-12-21	SIMRELL	
18	20070021981		2007-01-25	COX	

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19	20070032247		2007-02-08	SHAFFER et al.	
20	20070161382		2007-07-12	MELINGER et al.	
21	20070192116		2007-08-16	LOVITT	
22	20070208837		2007-09-06	TIAN et al.	
23	20070209054		2007-09-06	CASSANOVA	
24	20070255785		2007-11-01	HAYASHI et al.	
25	20080046511		2008-02-21	SKRENTA	
26	20080086219		2008-04-10	EVANS et al.	
27	20080139218		2008-06-12	DUAN	
28	20090015467		2009-01-15	KWON et al.	
29	20090024726		2009-01-22	JEON et al.	

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30	20090030927	2009-01-29	CASES et al.
31	20090135758	2009-05-28	ALPER et al.
32	20090213001	2009-08-27	APPELMAN et al.
33	20090235305	2009-09-17	PUGEL
34	20090254944	2009-10-08	WATSON et al.

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

FOREIGN PATENT DOCUMENTS

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

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NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T ⁵
	1	SYDELL, LAURA "What are you doing? Twitter Offers a Megaphone", May 21, 2007, http://www.npr.org/templates/story , 1 pg.	

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Attorney Docket Number	RCL-005-17

2	Web Pages, Send Word Now; http://www.sendwordnow.com , July 19, 2007, 11 pgs.
3	SCHNEIDERMAN, Ben, PREECE, Jennifer; "911.gov", February 16, 2007, Science Magazine, Vol. 315, pg. 944, www.sciencemag.org , 1 pg.
4	"Notify!/Severe Weather Alerts" Web Pages; www.weather.com , July 12, 2007, 5 pgs.
5	BIEVER, Celeste, "My Space-style websites, perfect for disaster survival", NewScientistTech.com, February 15, 2007, 2 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 date?", www.sfgate.com , July 23, 2005, 3 pgs.
8	"Social Networking, What you need to know", INConnect Spring, 2007, www.ena.com , 8 pgs.
9	HALES, David, et al, "Friends for Free: Self Organizing Artificial Social Networks for Trust and Cooperation", University of Bologna, Italy, August 2005, 20 pgs.
10	Dane County Department of Emergency Management Warning System, October 23, 2006, www.countyofdane.com , 10 pgs.
11	"Share your world with ((Echo))MyPlace and CarbonCloud, July 15, 2007, www.thecarbonproject.com , 4 pgs.
12	HARRISON, Jeff, "Location Based Social Networking for Crisis Management", 2006, www.thecarbonproject.com , 24 pgs.

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First Named Inventor	Thomas Cona
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Examiner Name	
Attorney Docket Number	RCL-005-17

13	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", June 12, 2006, www.aws.com, 6 pgs.
14	PHILLIPS, Brenda D. Ph.D, et al, "Social Science Research Needs: A Focus on Vulnerable Populations, Forecasting and Warnings", February 2006, Hurricane Forecast Socio-economic Workshop, Pomona, CA, 11 pgs.

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

EXAMINER SIGNATURE

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

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

Application Number	
Filing Date	
First Named Inventor	Thomas Cona
Art Unit	
Examiner Name	
Attorney Docket Number	RCL-005-17

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☒ See attached certification statement.

Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

None

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	/Joseph Miller/	Date (YYYY-MM-DD)	2017-06-30
Name/Print	Joseph Miller	Registration Number	61748

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.**

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

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

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

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Resource Consortium Limited	Examiner:	Not Yet Assigned
Serial No.:	Not Yet Assigned	Art Unit:	Not Yet Assigned
Filing Date:	Concurrently herewith	Conf. No.:	Not Yet Assigned
For:	METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK	Atty. Docket No.:	RCL-005-17

INFORMATION DISCLOSURE STATEMENT

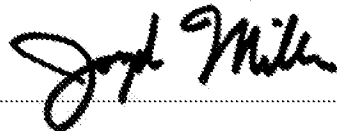
Commissioner,

Applicant submits herewith an Information Disclosure Statement pursuant to 37 CFR §§ 1.97 and 1.98 listing the patents, publications, and non-patent literature that the Applicant requests be considered and made of record in the above-identified patent application.

In accordance with 37 CFR 1.98, Applicant has not submitted copies of U.S. patents and U.S. patent applications, and Applicant has not submitted copies of foreign patents and non-patent literature that were previously filed in U.S. application No. 14/861,340, filed September 22, 2015, to which the present application claims priority, said previous filings having conformed with the requirements of 37 CFR 1.98(a)-(c).

It is believed no fee is required. However, the Director – United States Patent and Trademark Office is authorized to charge any fee due with this paper or credit any overpayments to Deposit Account No. 50-4766.

Respectfully submitted,
THE BELLES GROUP, P.C.



Date: June 30, 2017

By: Joseph Miller, Esq.
Reg. No. 61,748
For: The Belles Group, P.C.
1608 Walnut Street
Suite 1302
Philadelphia, PA 19103
Office: 215-735-9302

Electronic Patent Application Fee Transmittal

Application Number:				
Filing Date:				
Title of Invention:	METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK			
First Named Inventor/Applicant Name:	Thomas Cona			
Filer:	Joseph Miller III/Robin Diesel			
Attorney Docket Number:	RCL-005-17			
Filed as Large Entity				
Filing Fees for Utility under 35 USC 111(a)				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
UTILITY APPLICATION FILING	1011	1	280	280
UTILITY SEARCH FEE	1111	1	600	600
UTILITY EXAMINATION FEE	1311	1	720	720
Pages:				
Claims:				
Miscellaneous-Filing:				
LATE FILING FEE FOR OATH OR DECLARATION	1051	1	140	140
Petition:				

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

Electronic Acknowledgement Receipt

EFS ID:	29662778
Application Number:	15638722
International Application Number:	
Confirmation Number:	8311
Title of Invention:	METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK
First Named Inventor/Applicant Name:	Thomas Cona
Customer Number:	84212
Filer:	Joseph Miller III/Robin Diesel
Filer Authorized By:	Joseph Miller III
Attorney Docket Number:	RCL-005-17
Receipt Date:	30-JUN-2017
Filing Date:	
Time Stamp:	12:16:39
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	\$ 1740
RAM confirmation Number	063017INTEFSW12173401
Deposit Account	504766
Authorized User	Brian Belles

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

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

37 CFR 1.17 (Patent application and reexamination processing fees)

37 CFR 1.19 (Document supply fees)
 37 CFR 1.20 (Post Issuance fees)
 37 CFR 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		RCL-005-17_Specification.pdf	26182692	yes	52
			d47a54484b50cb182ee643e307cf82dcd19a9b6f		
	Multipart Description/PDF files in .zip description				
	Document Description		Start	End	
	Specification		1	50	
	Claims		51	51	
	Abstract		52	52	
Warnings:					
Information:					
2	Drawings-only black and white line drawings	RCL-005-17_Drawings.pdf	1461218	no	45
			cc357eacd4276f981d94af443549333279e240da		
Warnings:					
Information:					
3	Application Data Sheet	ADS.pdf	1823563	no	10
			ee046649cea36334cbc3c06a238b0d3b5ba d2ce8		
Warnings:					
Information:					
4	Power of Attorney	Applicant_Power.pdf	888391	no	2
			d640338a6ccedccfd3efa8424006431ef578c68		
Warnings:					
Information:					
5	Oath or Declaration filed	Declaration_Ehrlacher_Executive d.pdf	1412589	no	2
			977f53dde8aefbc2b2da1848948e60502ba9e71d		

Warnings:					
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6	Oath or Declaration filed	Declaration_lgoe_Executed.pdf	68700 c2ea8e55a4f00171a29abc4c2ddf713142fd844a	no	1
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7	Information Disclosure Statement (IDS) Form (SB08)	IDS_.pdf	615156 0c9543cfae29a45d3f774e187d45bce4e9e15ae7	no	12
Warnings:					
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8	Transmittal Letter	IDS_Transmittal.pdf	324206 0e771862b975d0b435a8b4c97f8b9ae995a1b7bf	no	1
Warnings:					
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9	Fee Worksheet (SB06)	fee-info.pdf	36786 d7f77333ced465f6738776bd45982a8258e4b8c9	no	2
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Total Files Size (in bytes):			32813301		
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. <u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application. <u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course. <u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.					

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 through 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 postgresSQL 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 to 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 hosting 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 establish 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 adjusters, 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 have a higher affinity along the dimension related to the emergency event to another L1 access PIA than 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 an 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 adjusters 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 PDA, 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 is 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 determined 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 through 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 centralized 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.

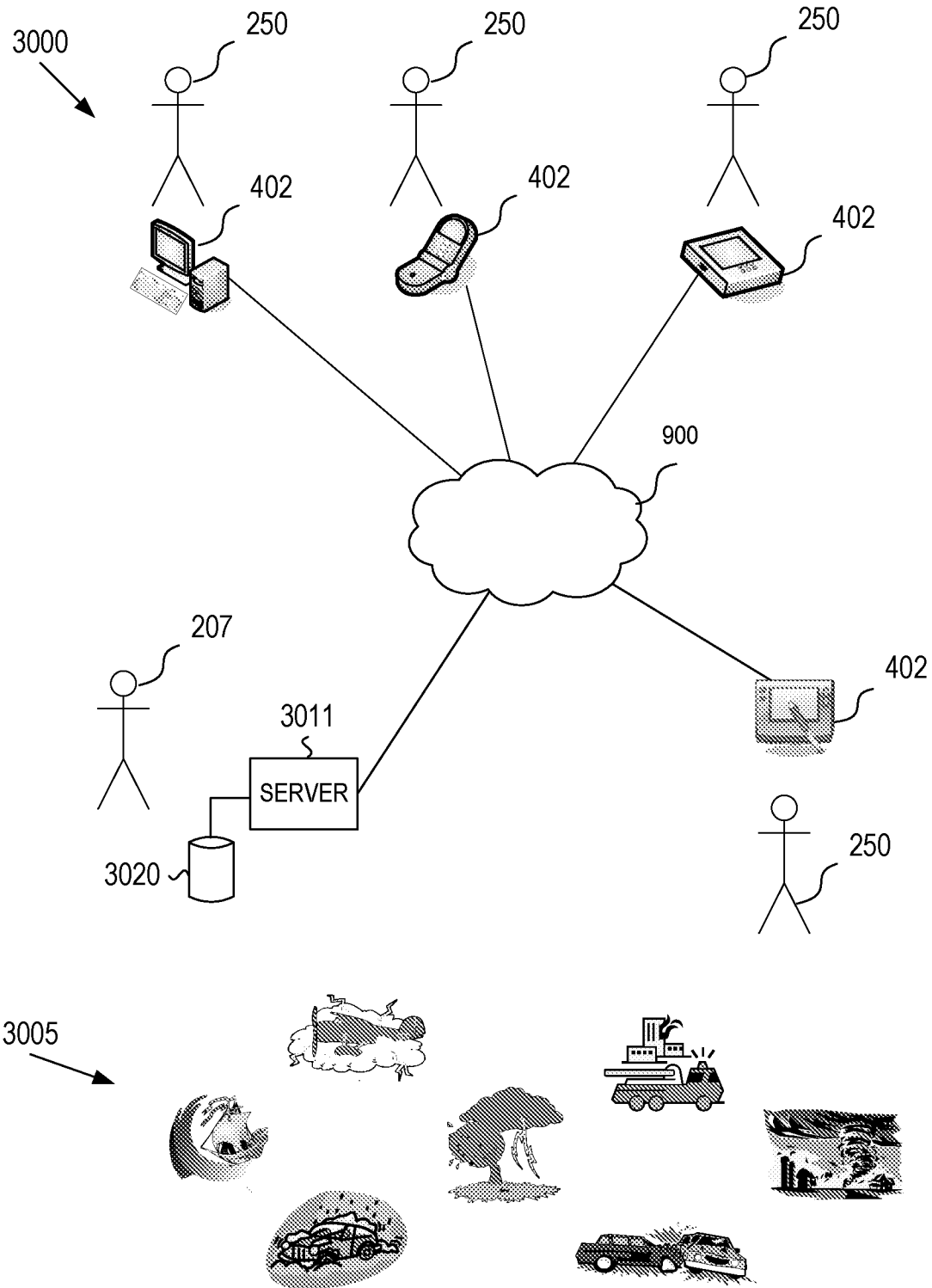


Fig. 1

2/45

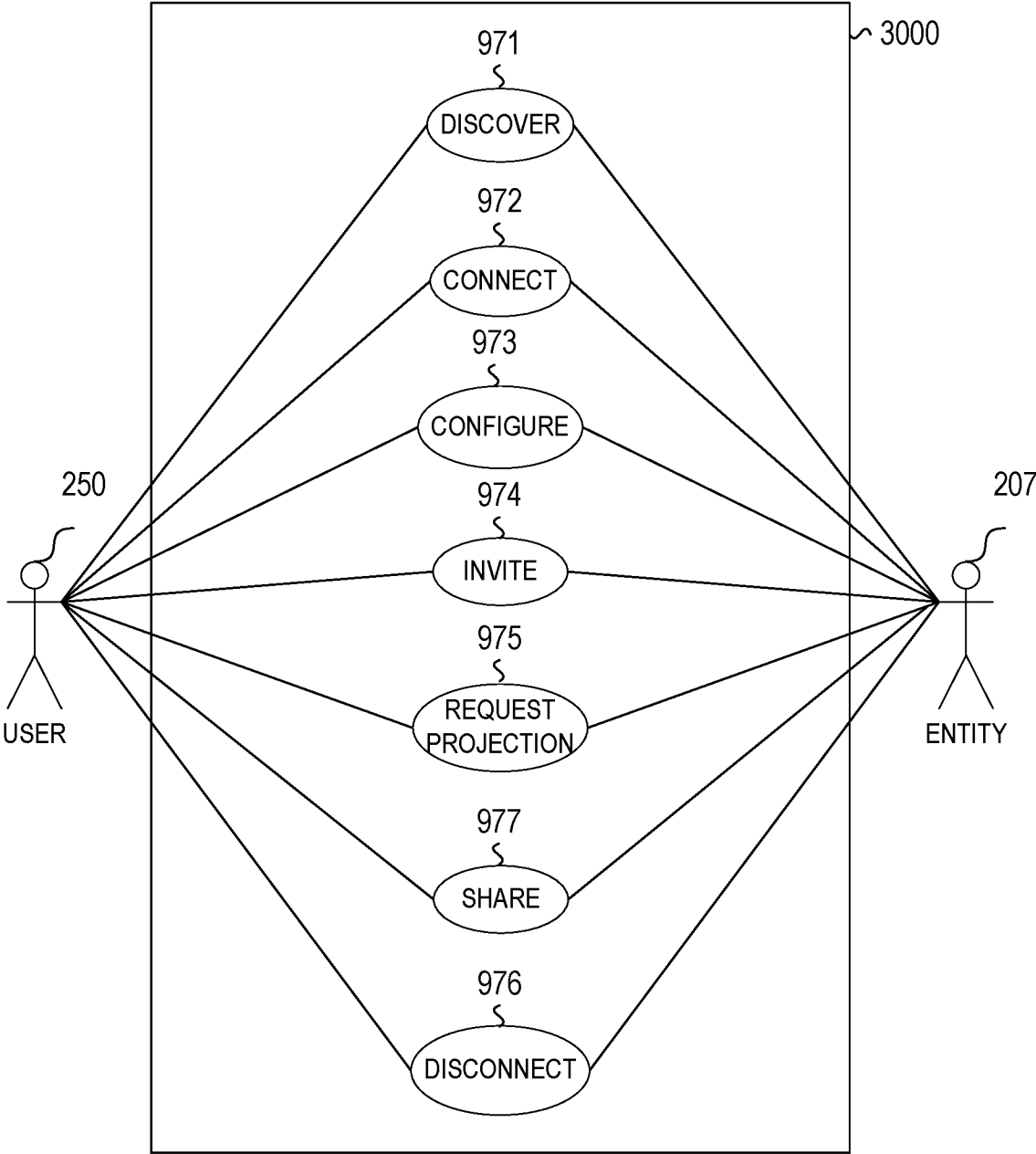


Fig. 2

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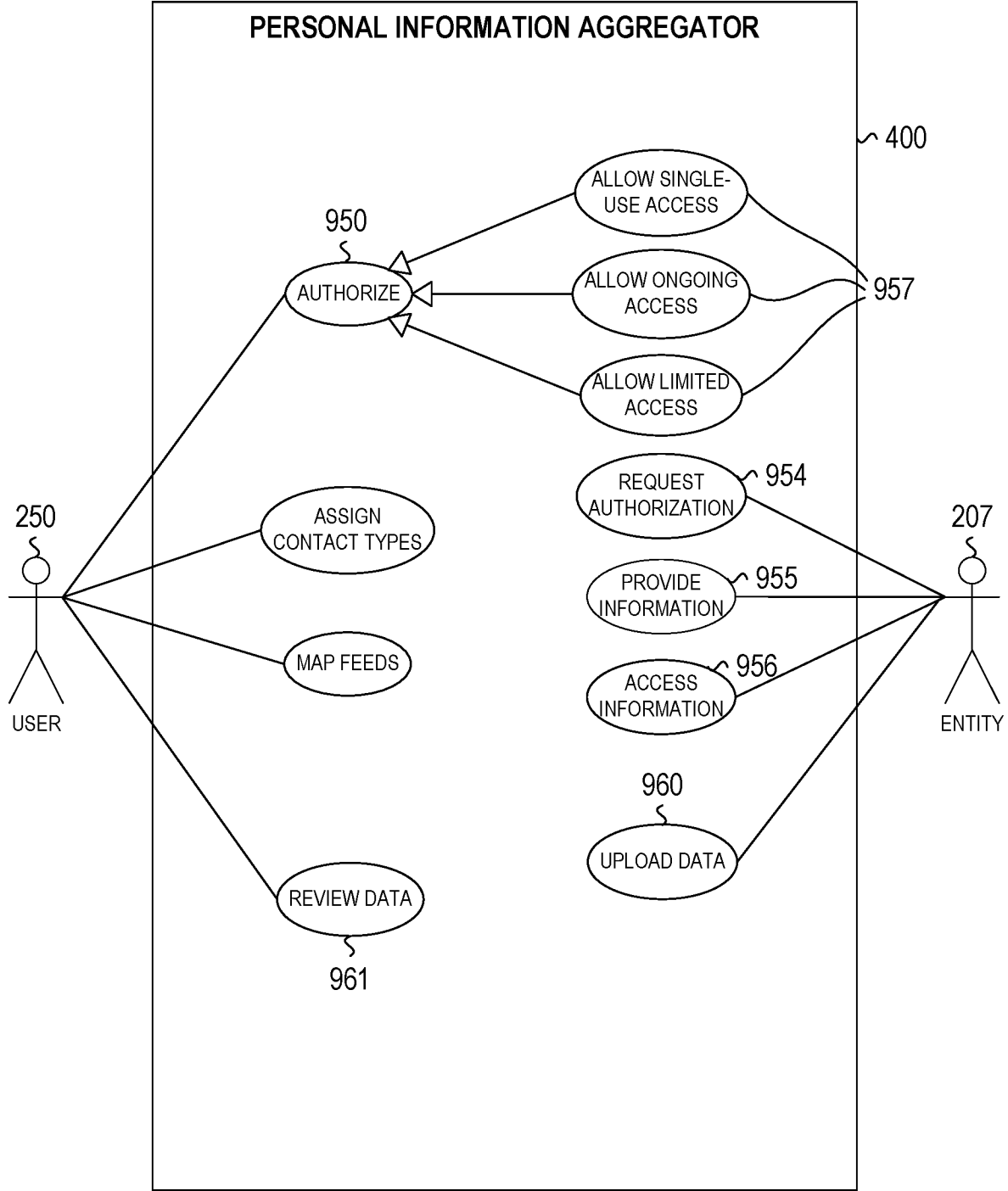


Fig. 3

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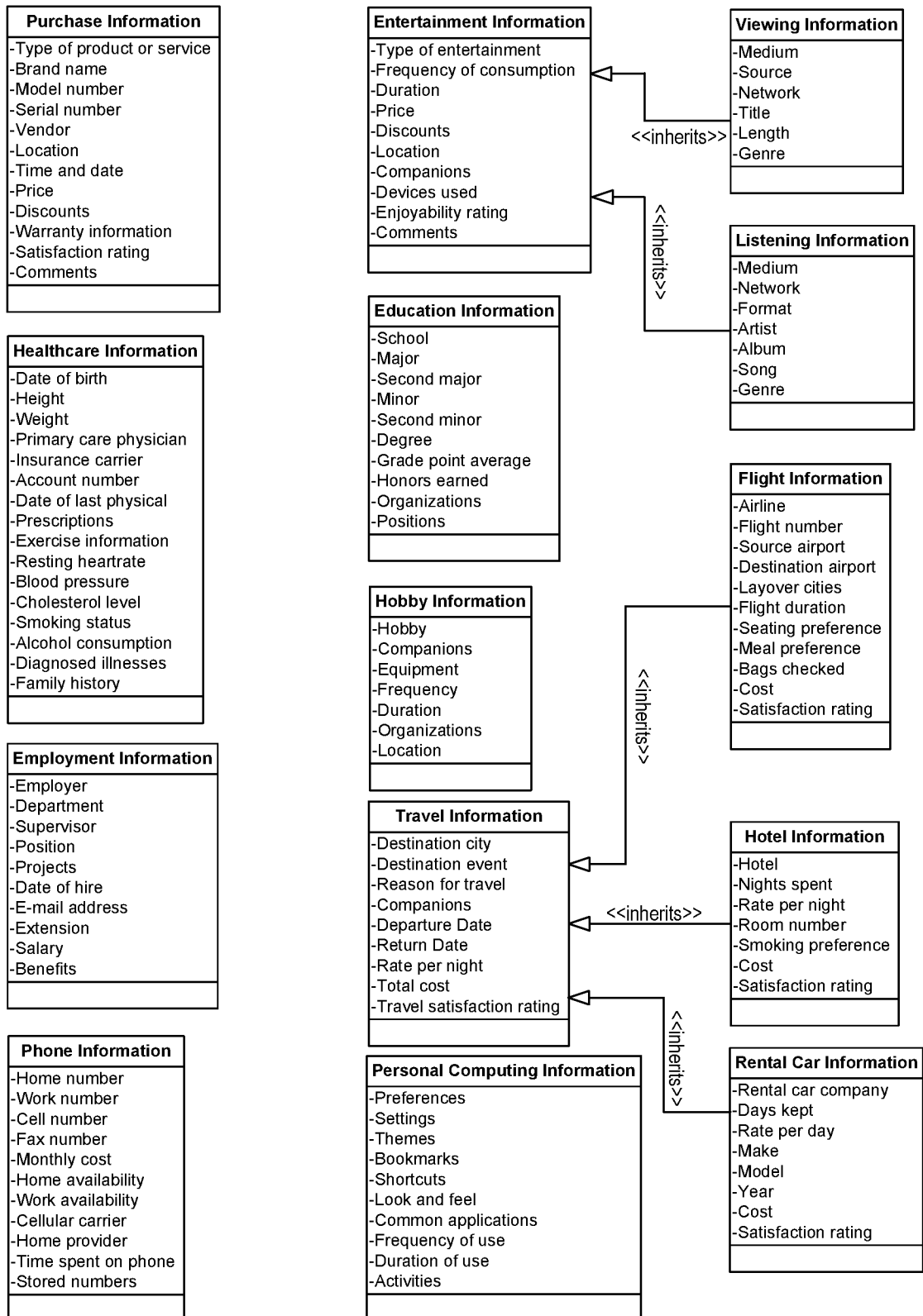


Fig. 4

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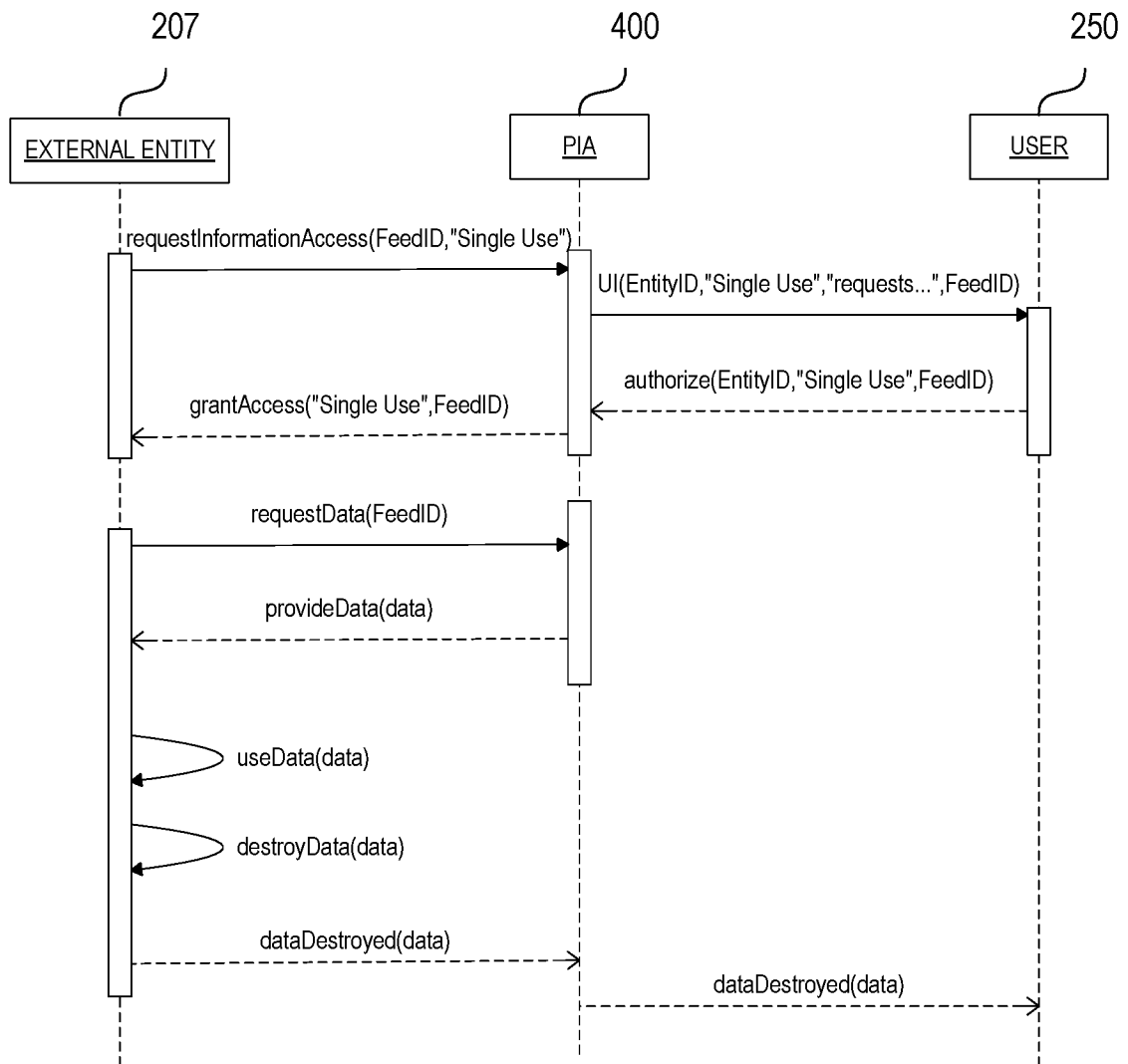


Fig. 5

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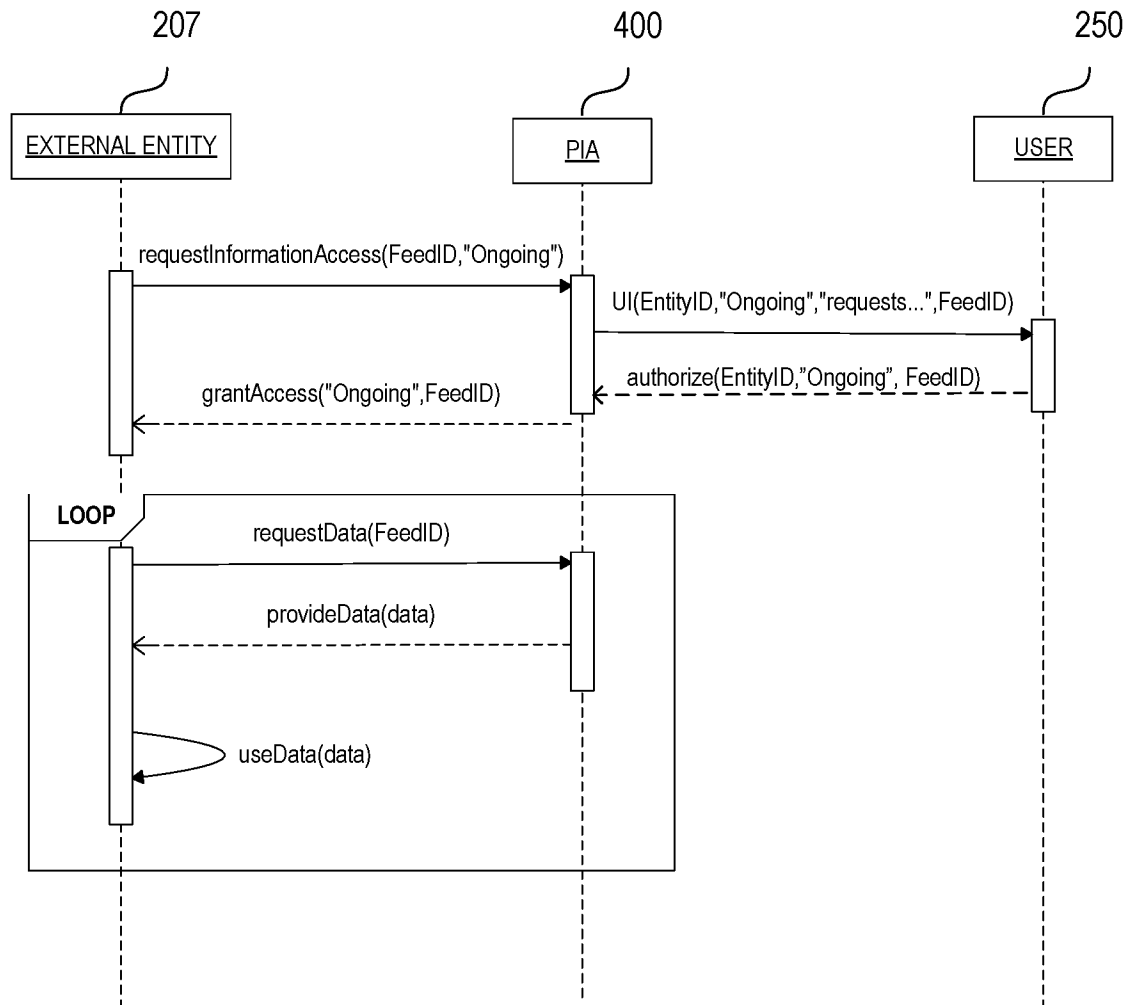


Fig. 6

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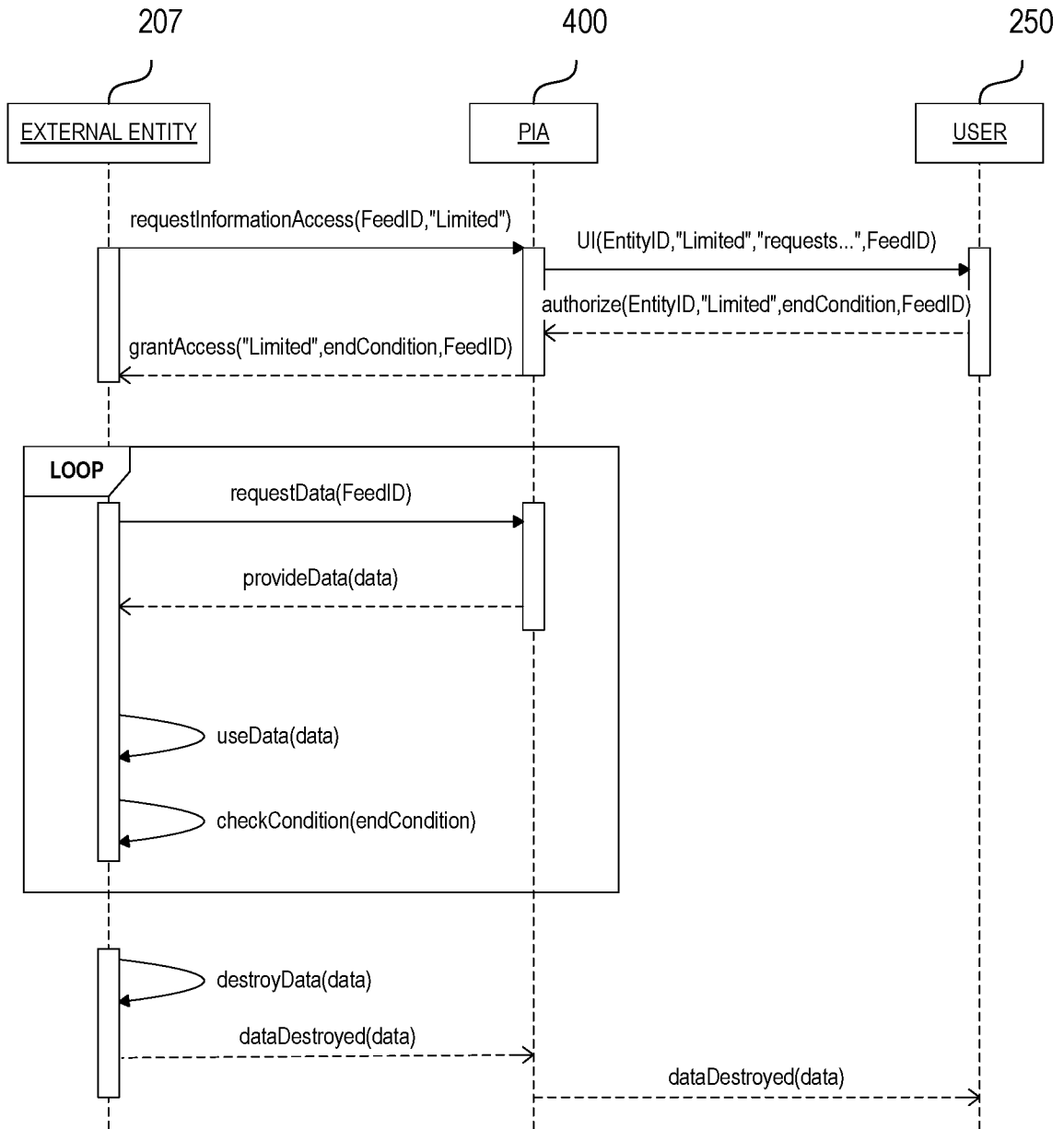


Fig. 7

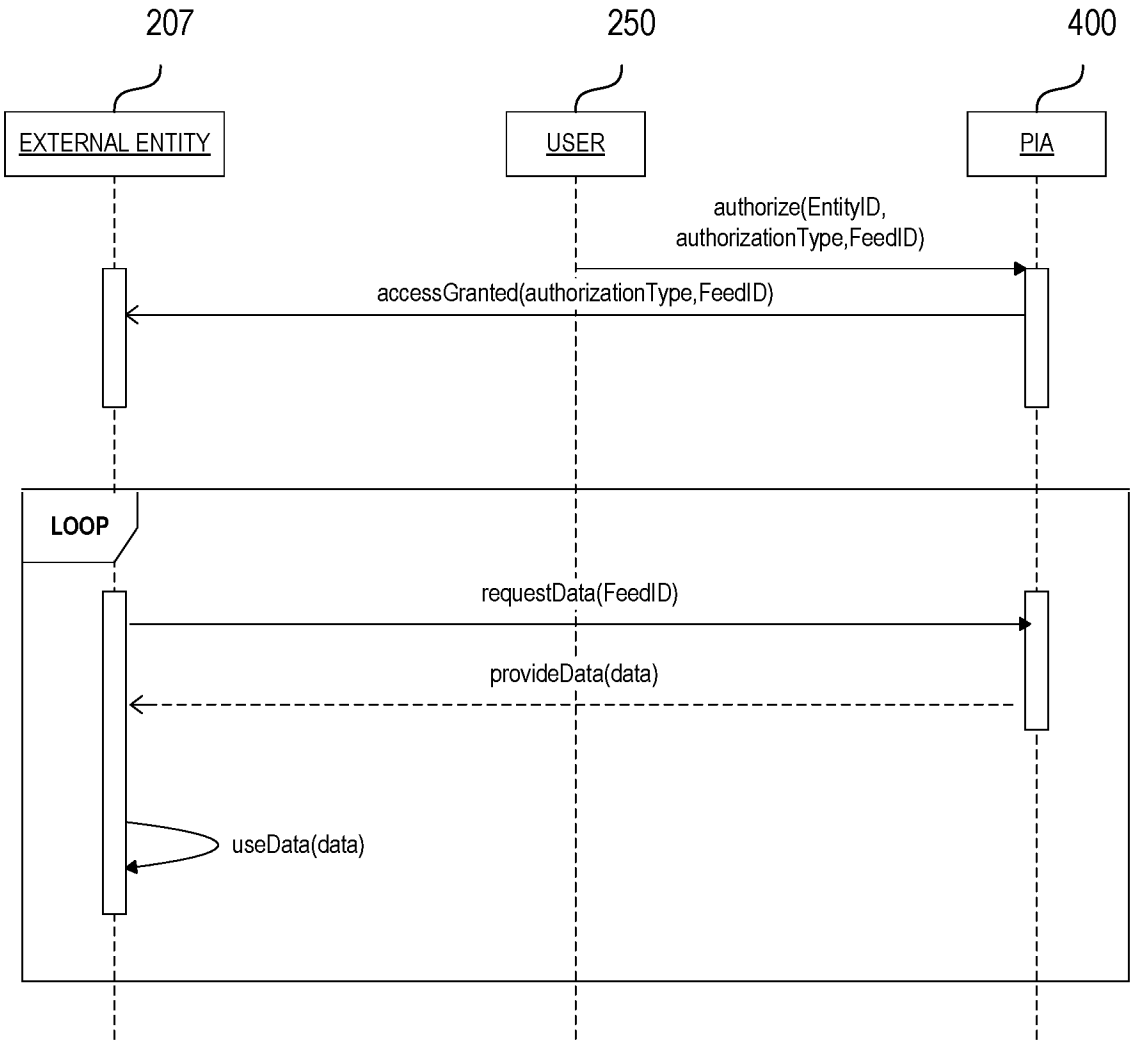


Fig. 8

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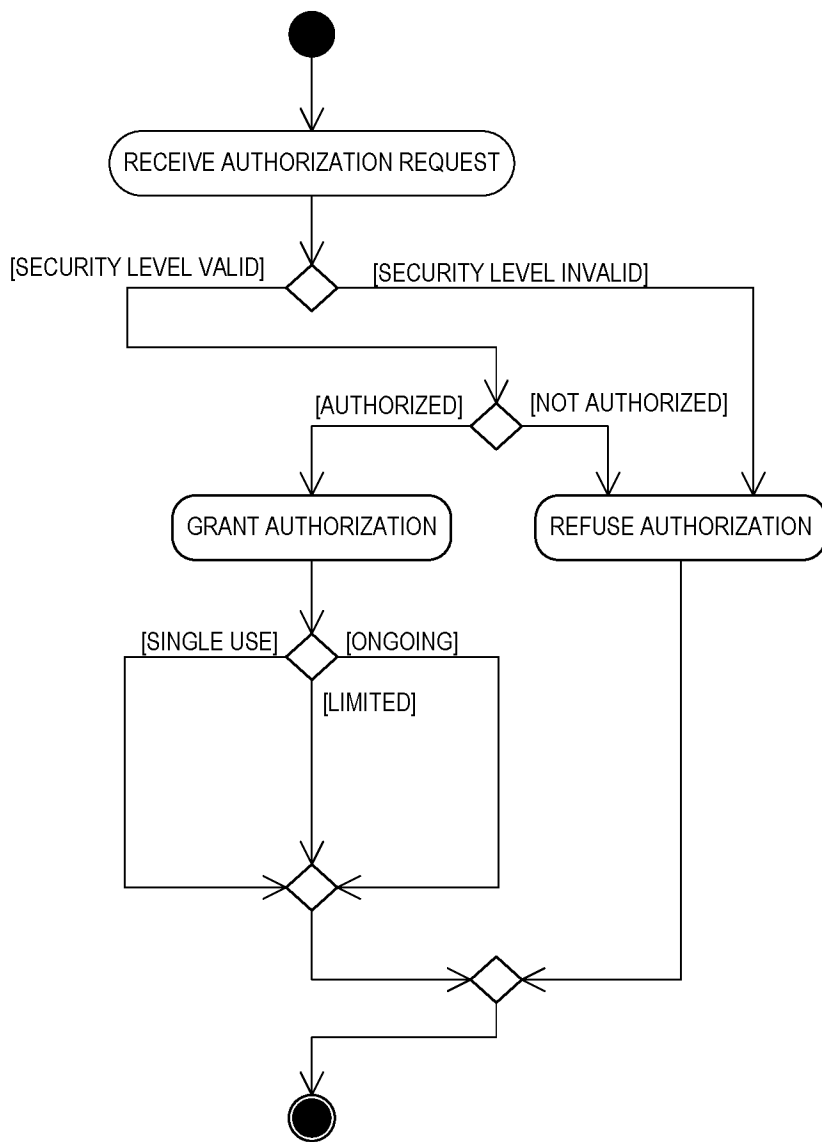


Fig. 9

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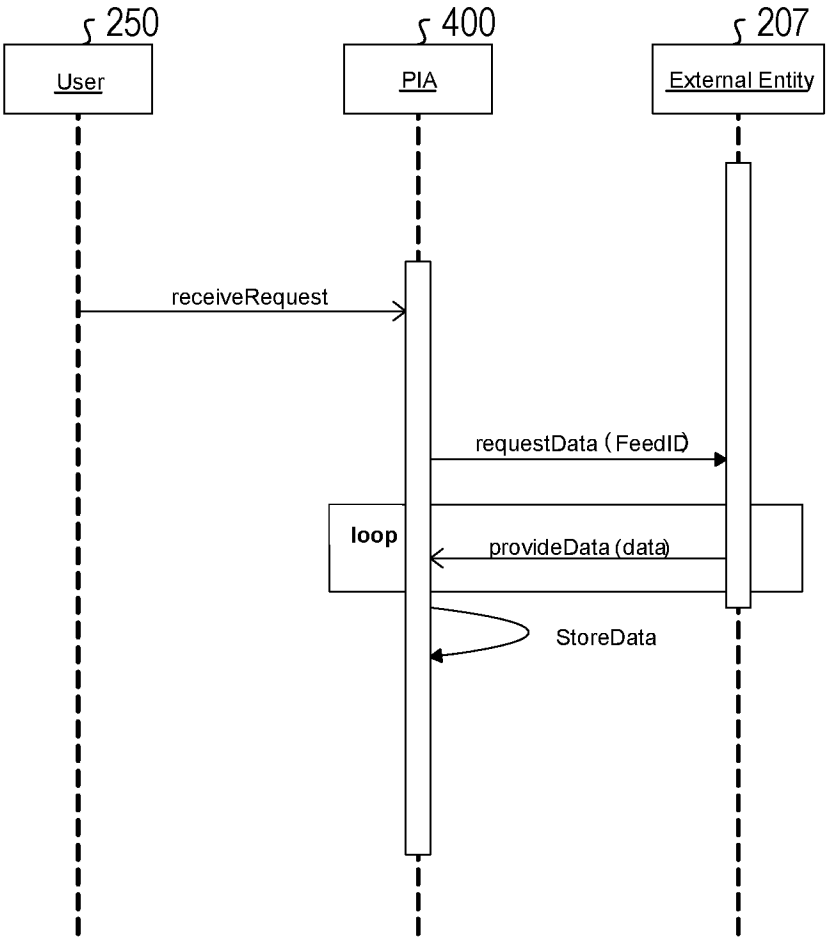


Fig. 10

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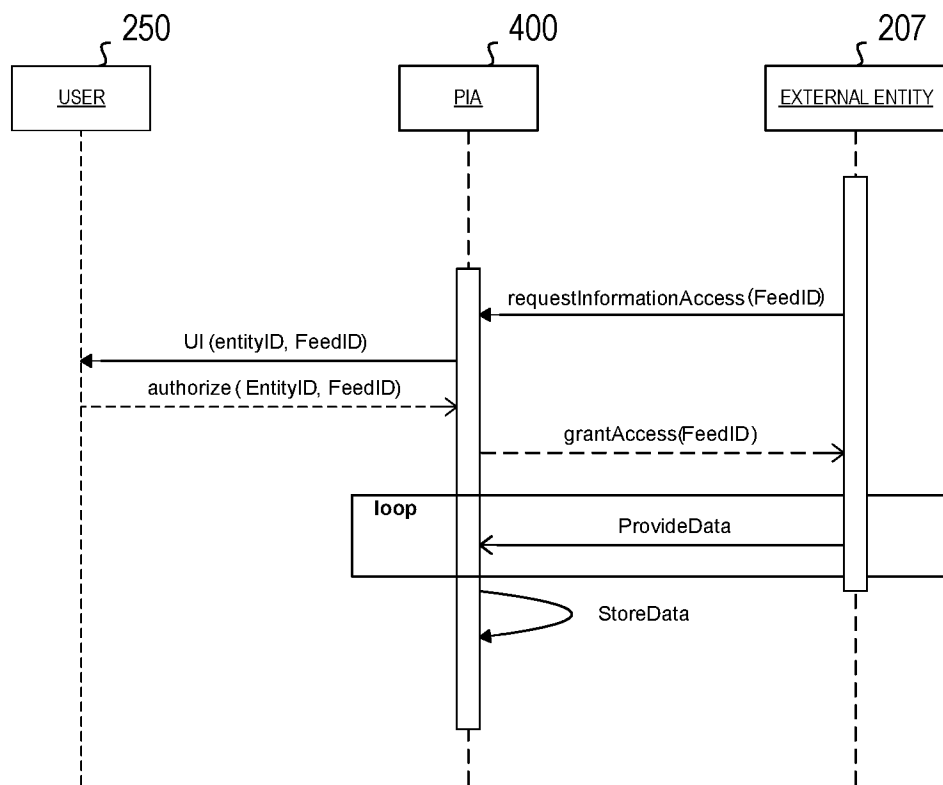


Fig. 11

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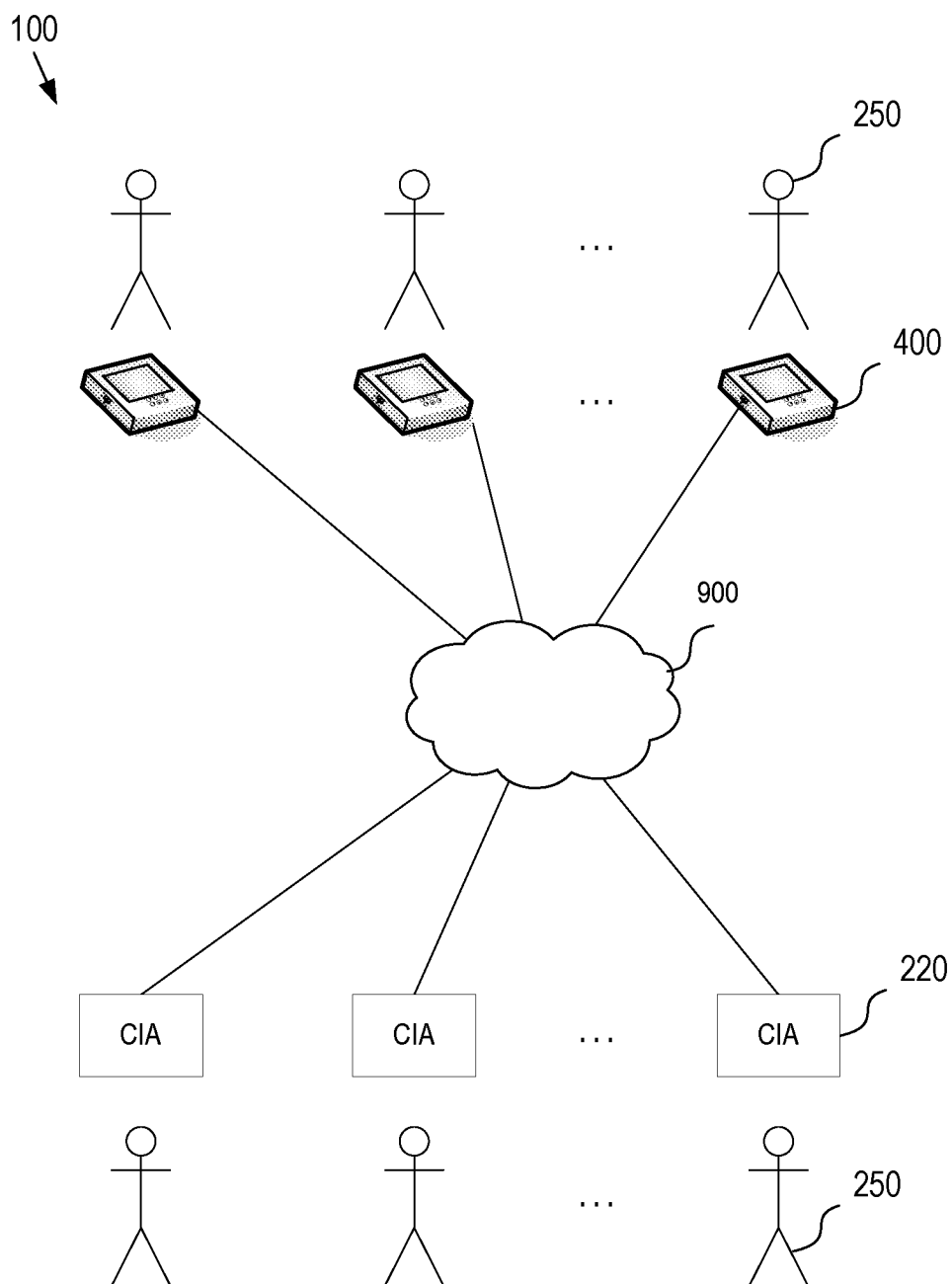


Fig. 12

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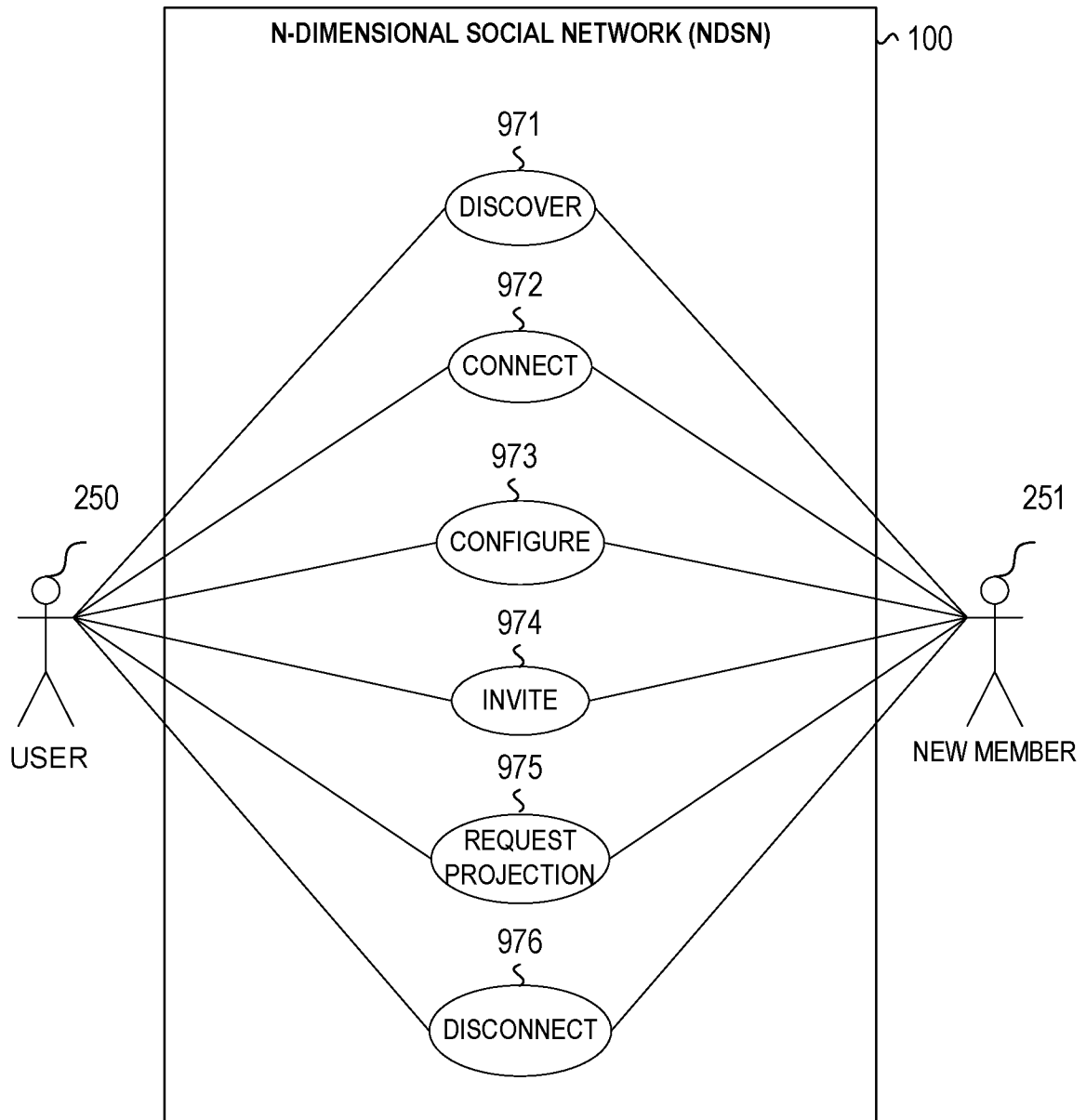


Fig. 13

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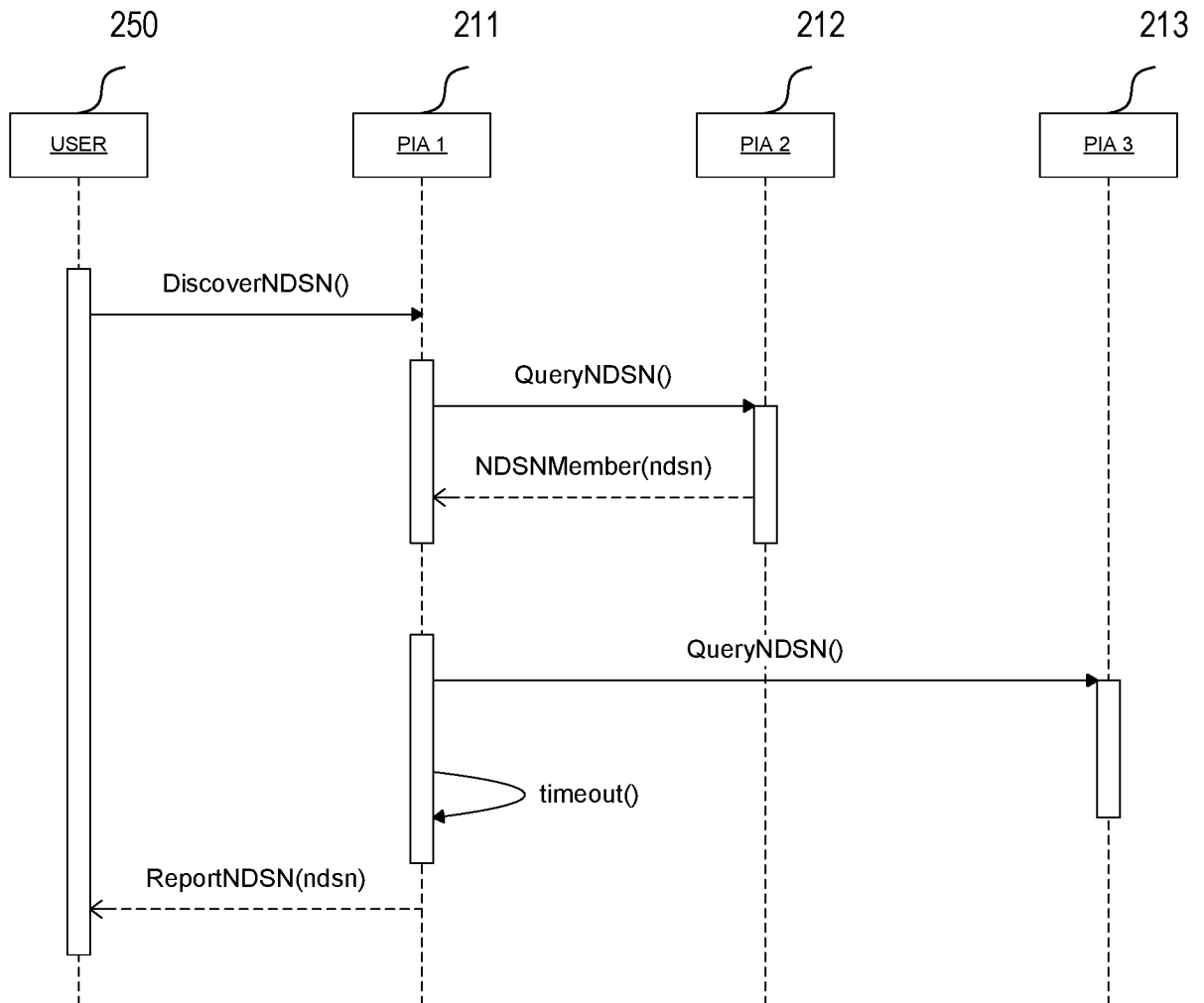


Fig. 14

15/45

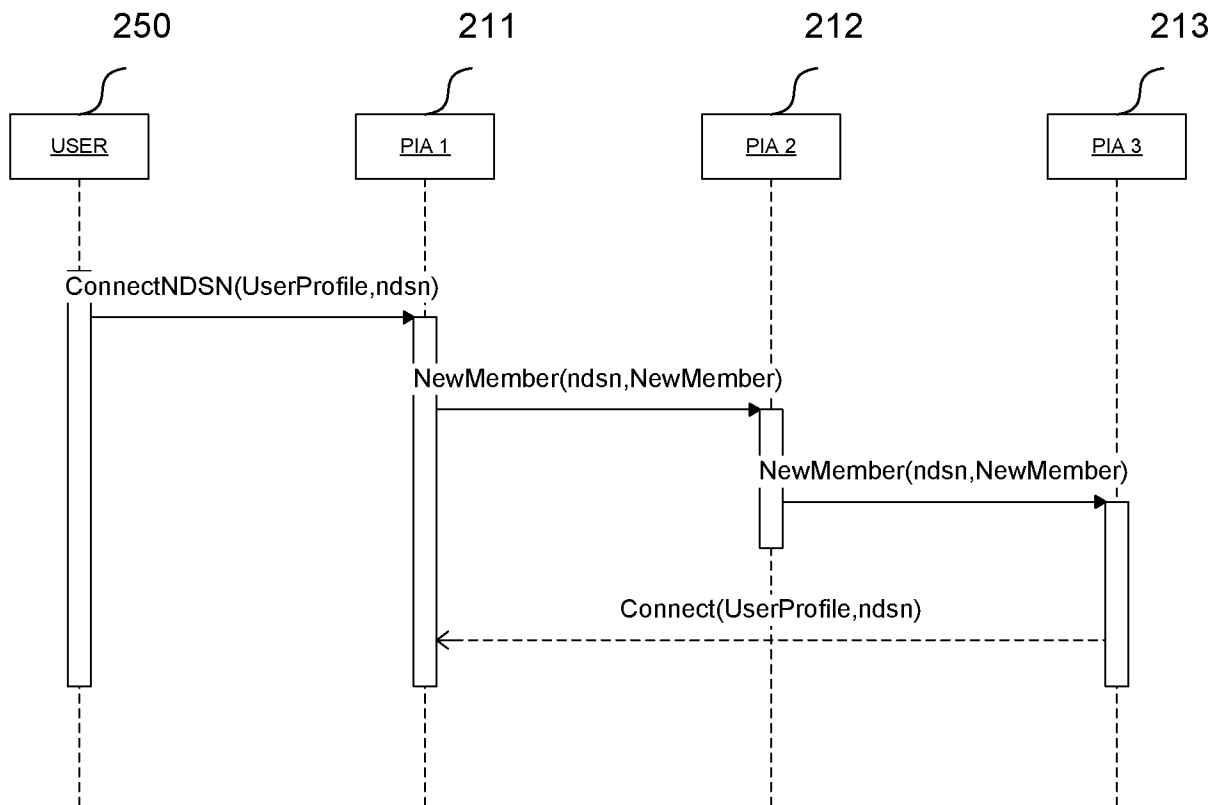


Fig. 15

16/45

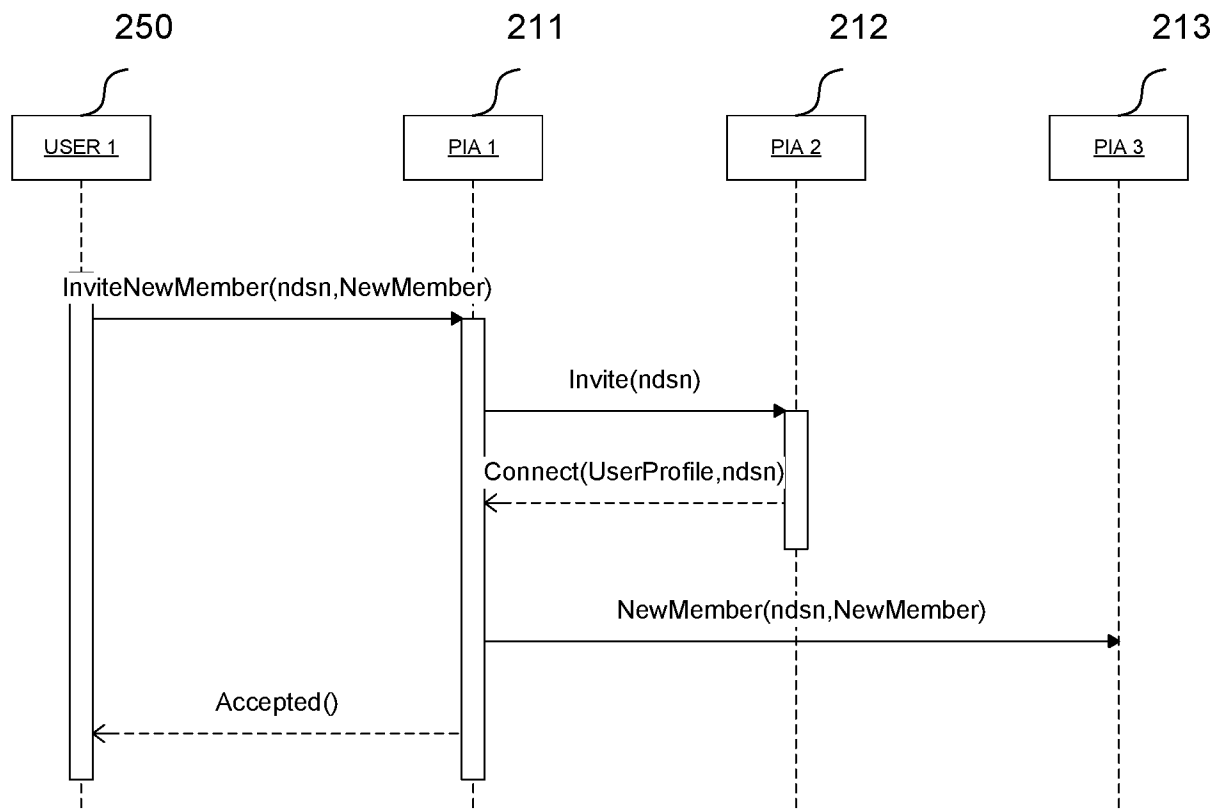


Fig. 16

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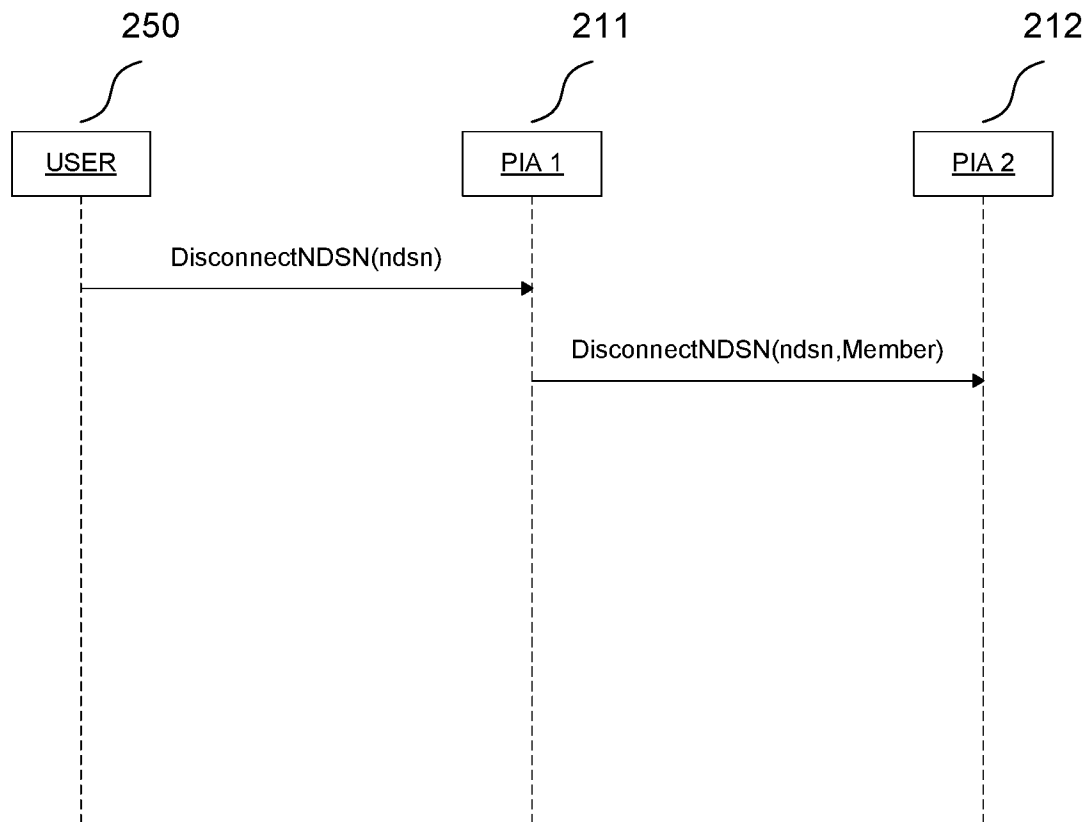


Fig. 17

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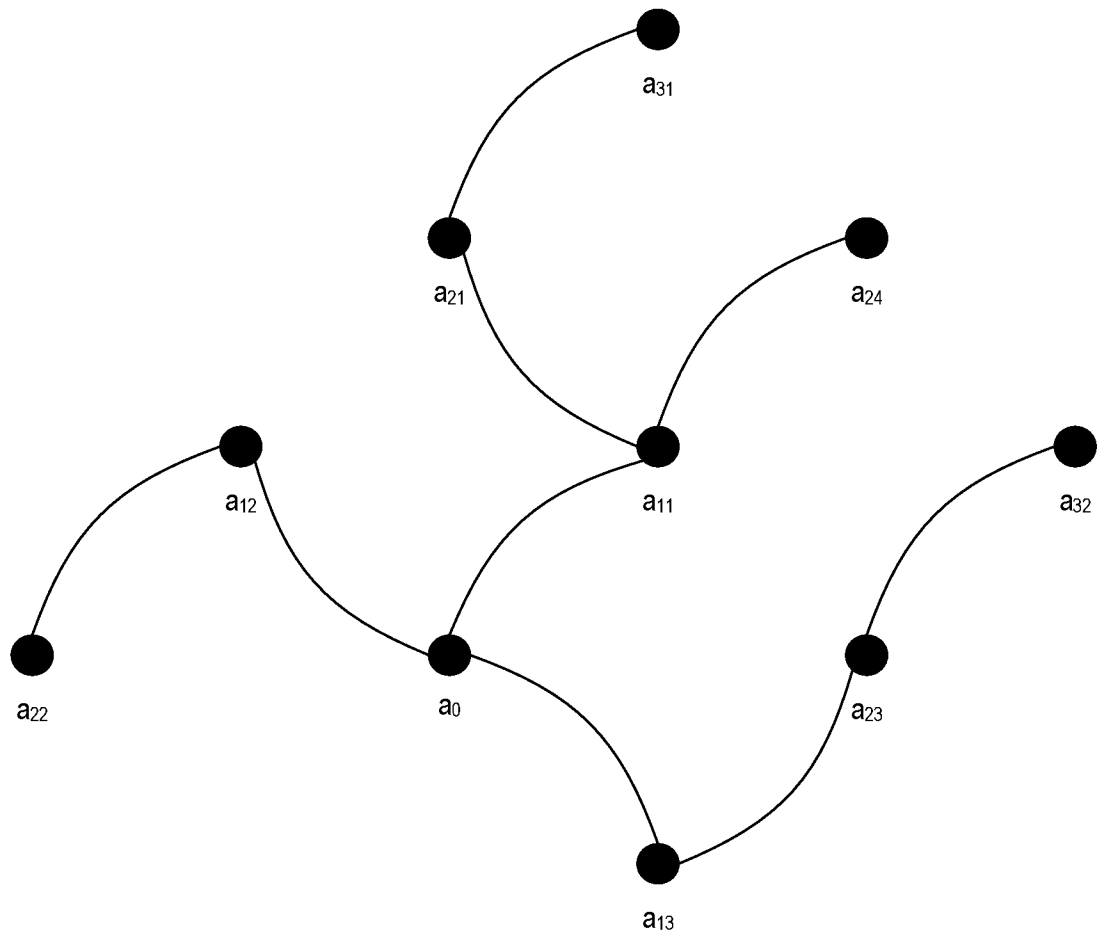


Fig. 18

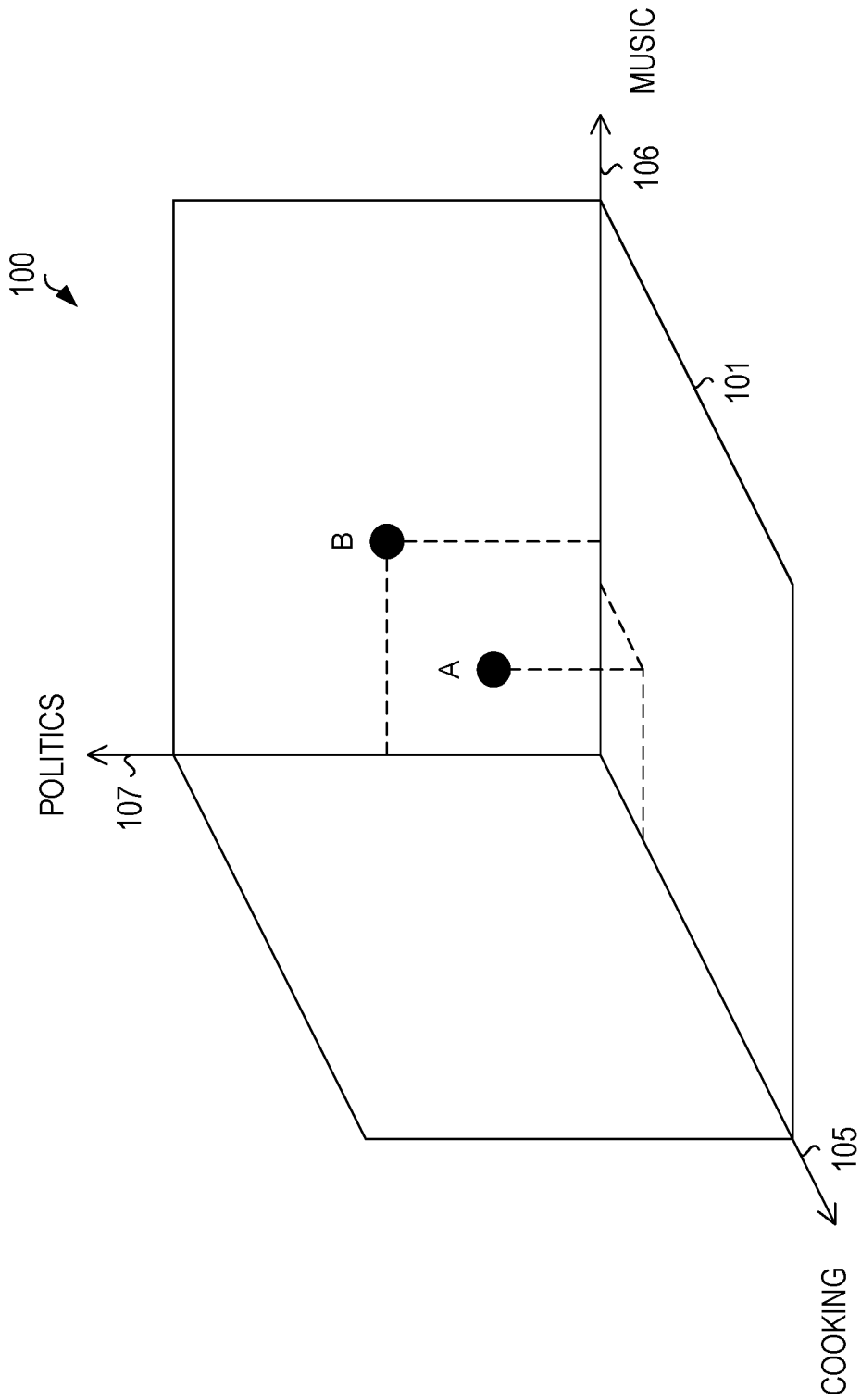


Fig. 19



20/45

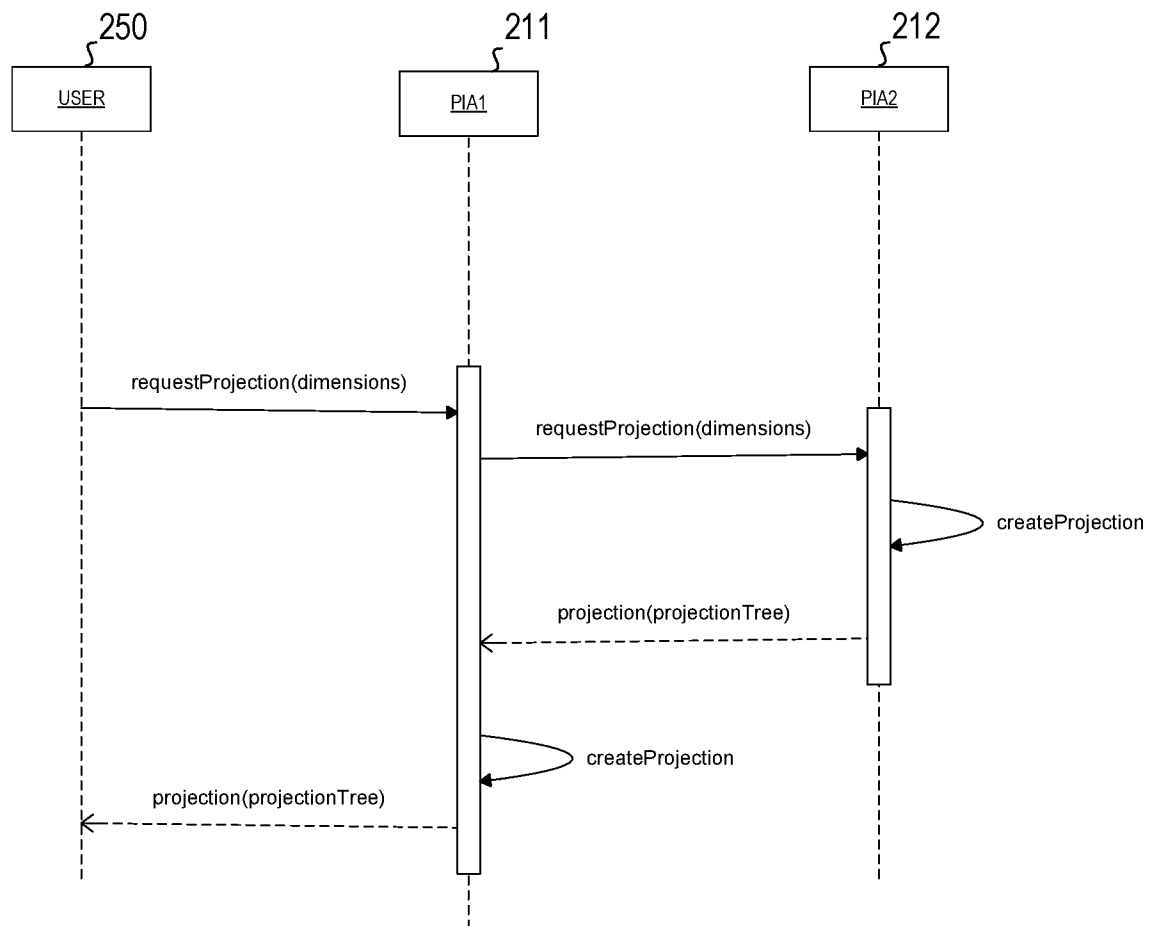


Fig. 20

21/45

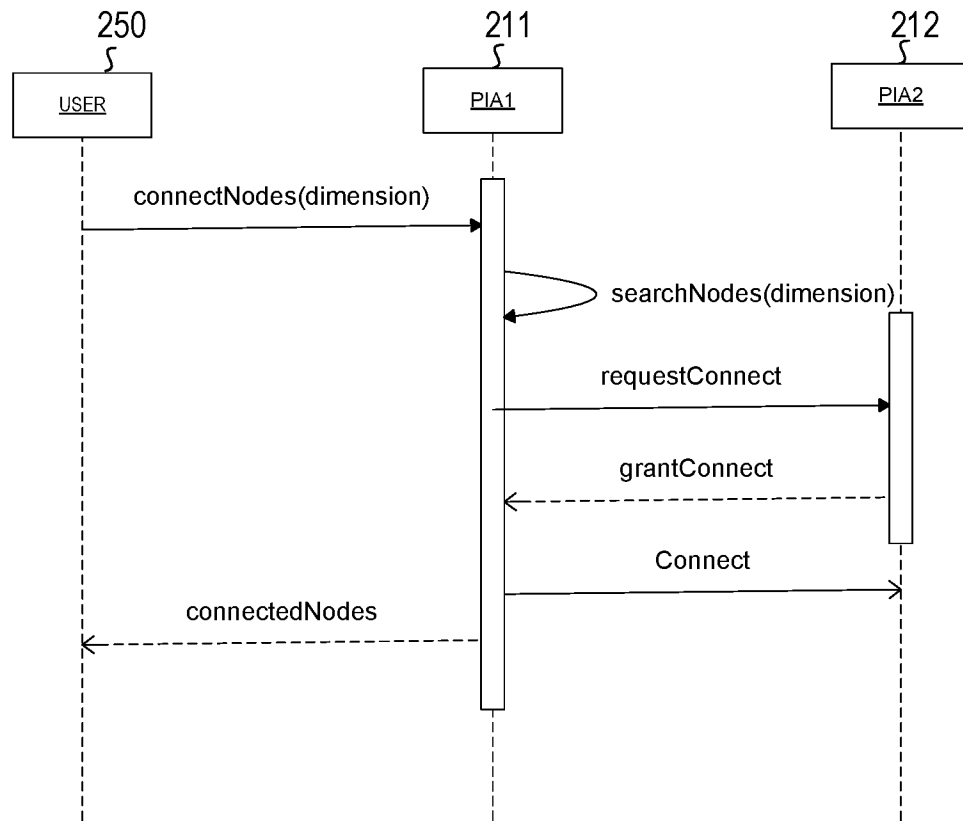


Fig. 21

22/45

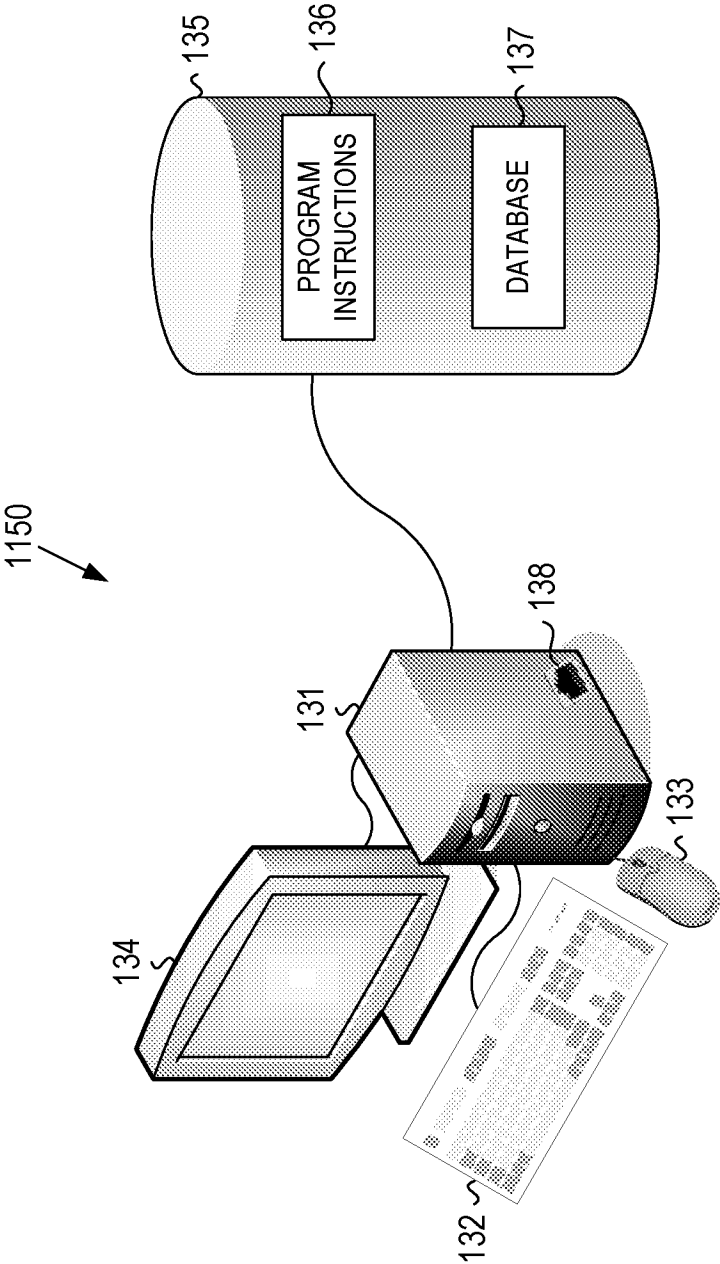
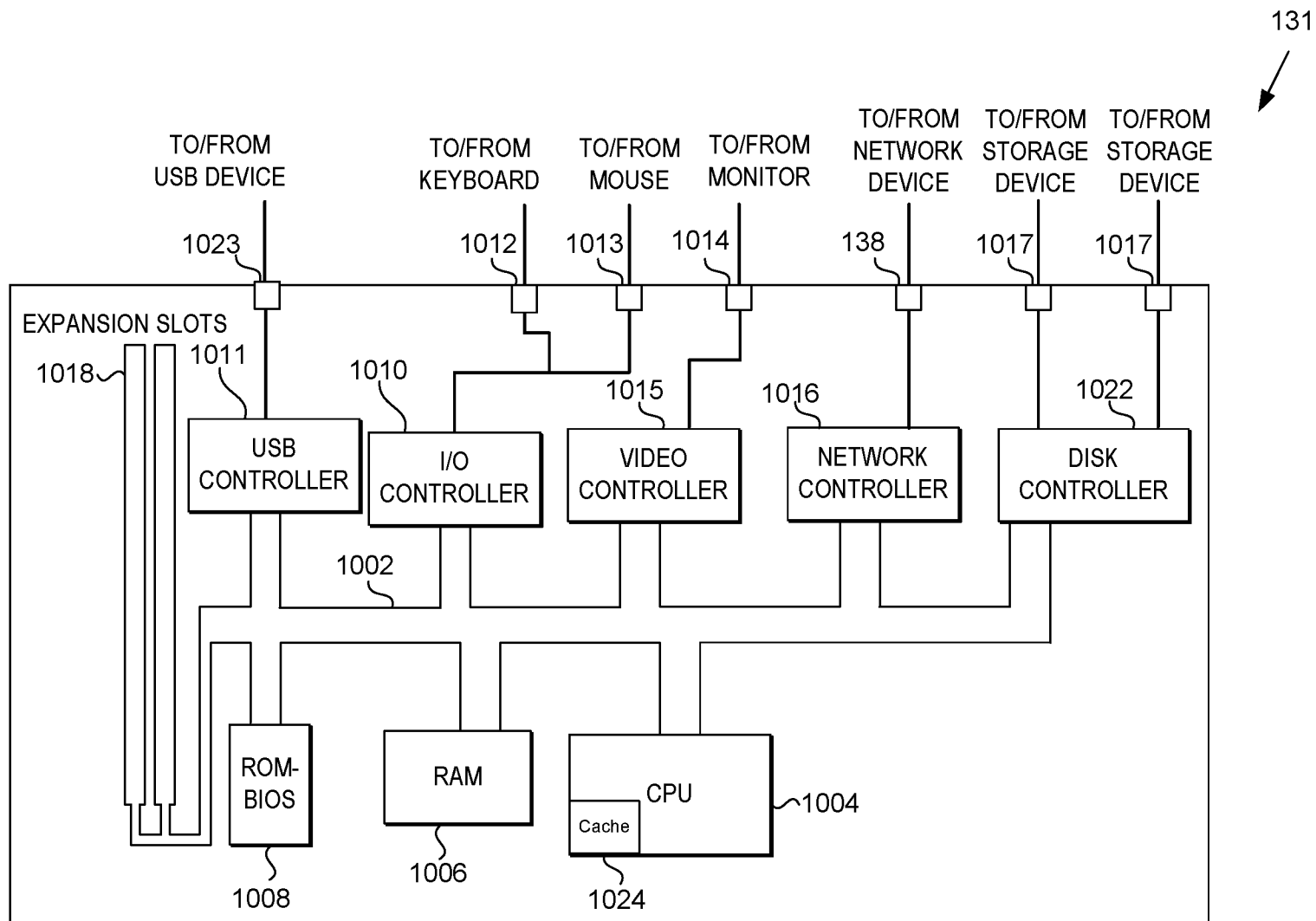


Fig. 22



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Fig. 23

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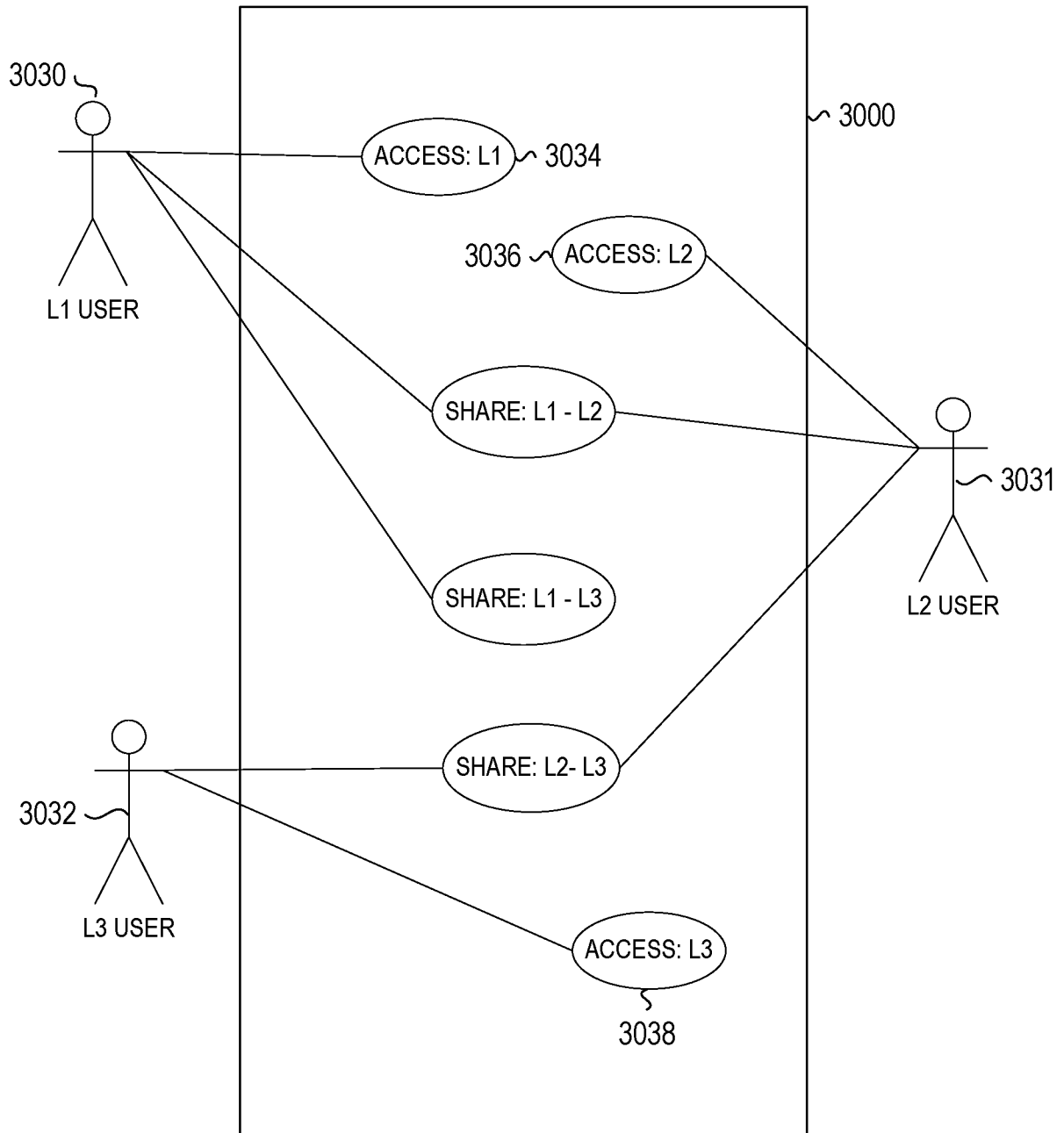


Fig. 24

25/45

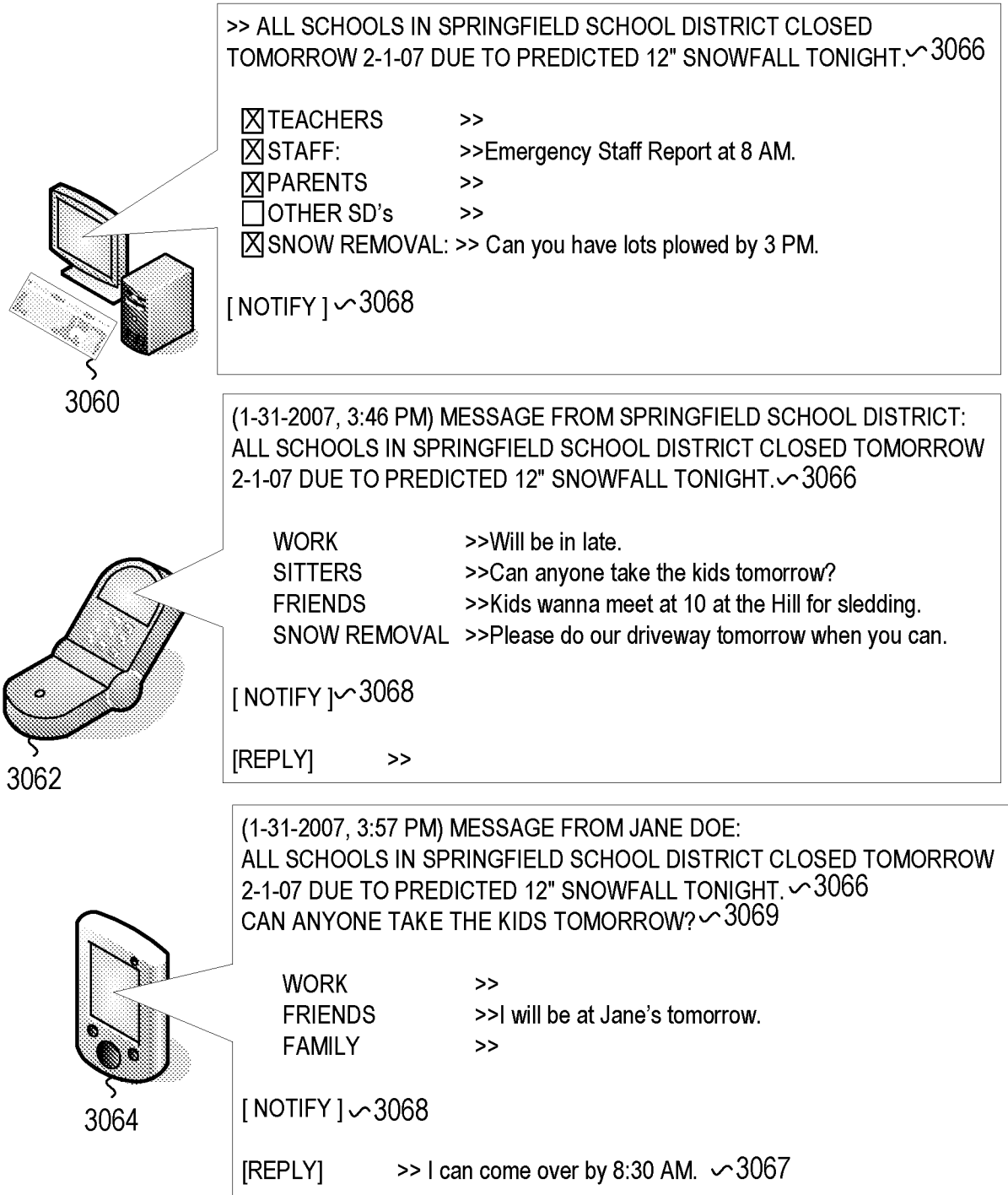


Fig. 25

26/45

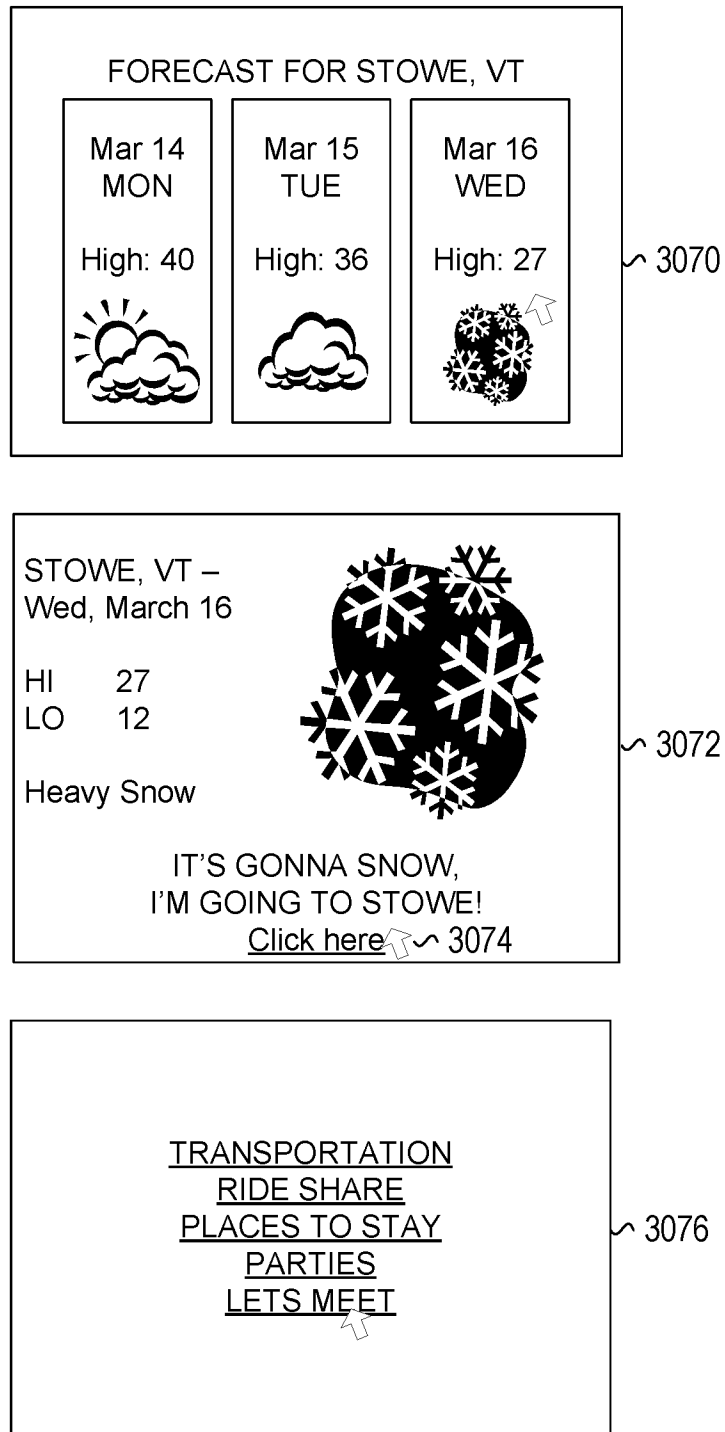


Fig. 26

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HOMEOWNER

3080



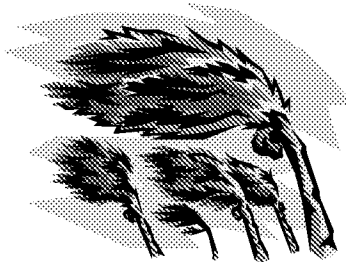
HURRICANE WILEY

FORECAST
EVACUATION
PREPAREDNESS
INFORMATION
CONTACTS

VISIT ACME HARDWARE –
PLYWOOD STILL AVAILABLE

TRAVELER

3082



HURRICANE WILEY

FORECAST
EVACUATION
PREPAREDNESS
INFORMATION
CONTACTS

STAY AT SPRINGFIELD INN –
ROOMS STILL AVAILABLE

INTERESTED
PERSON

3084



HURRICANE WILEY

FORECAST
EVACUATION
PREPAREDNESS
INFORMATION
CONTACTS

YOU CAN HELP –
DONATE TO THE AMERICAN RED CROSS

Fig. 27

28/45

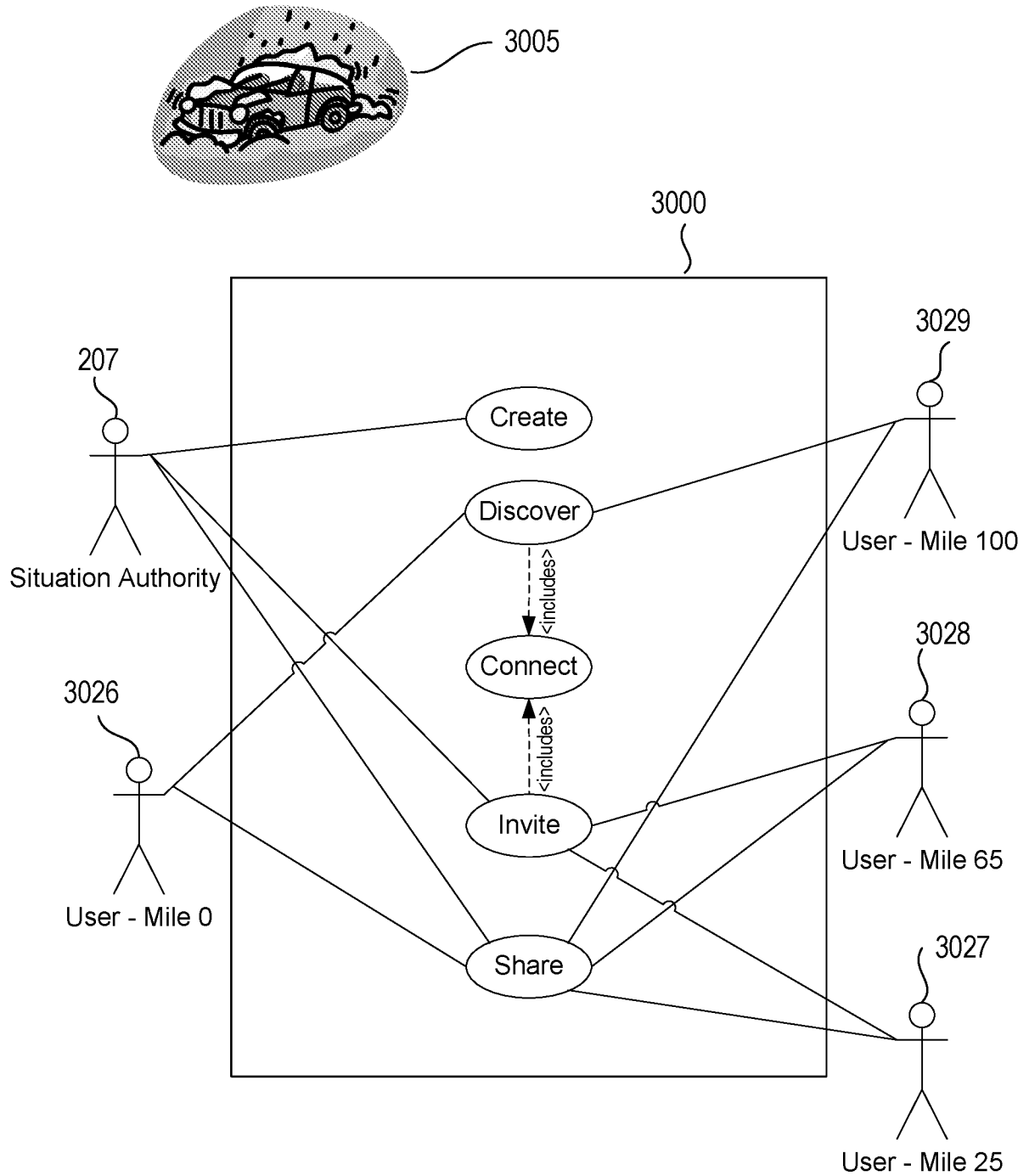


Fig. 28

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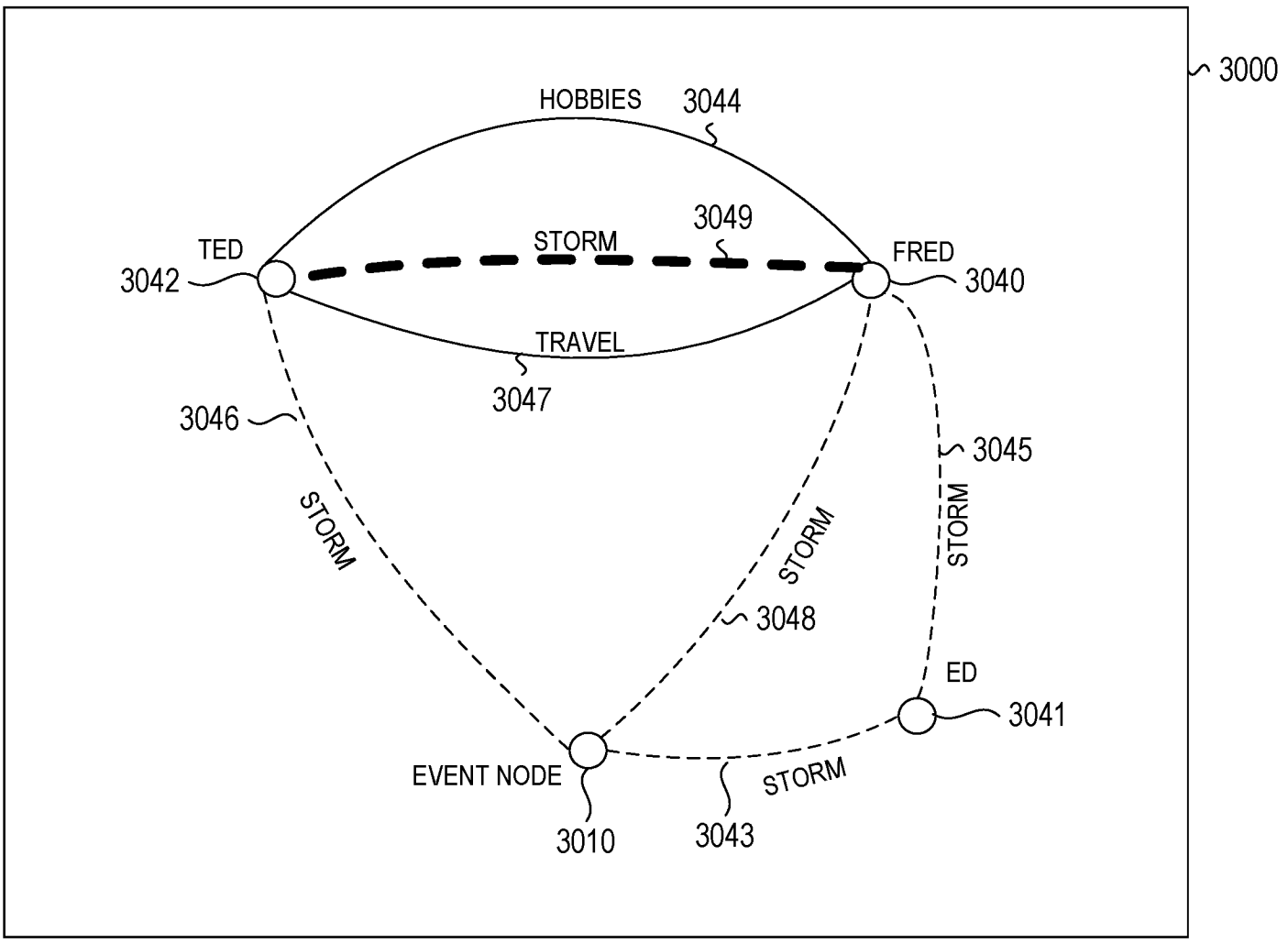


Fig. 29

0101

30/45

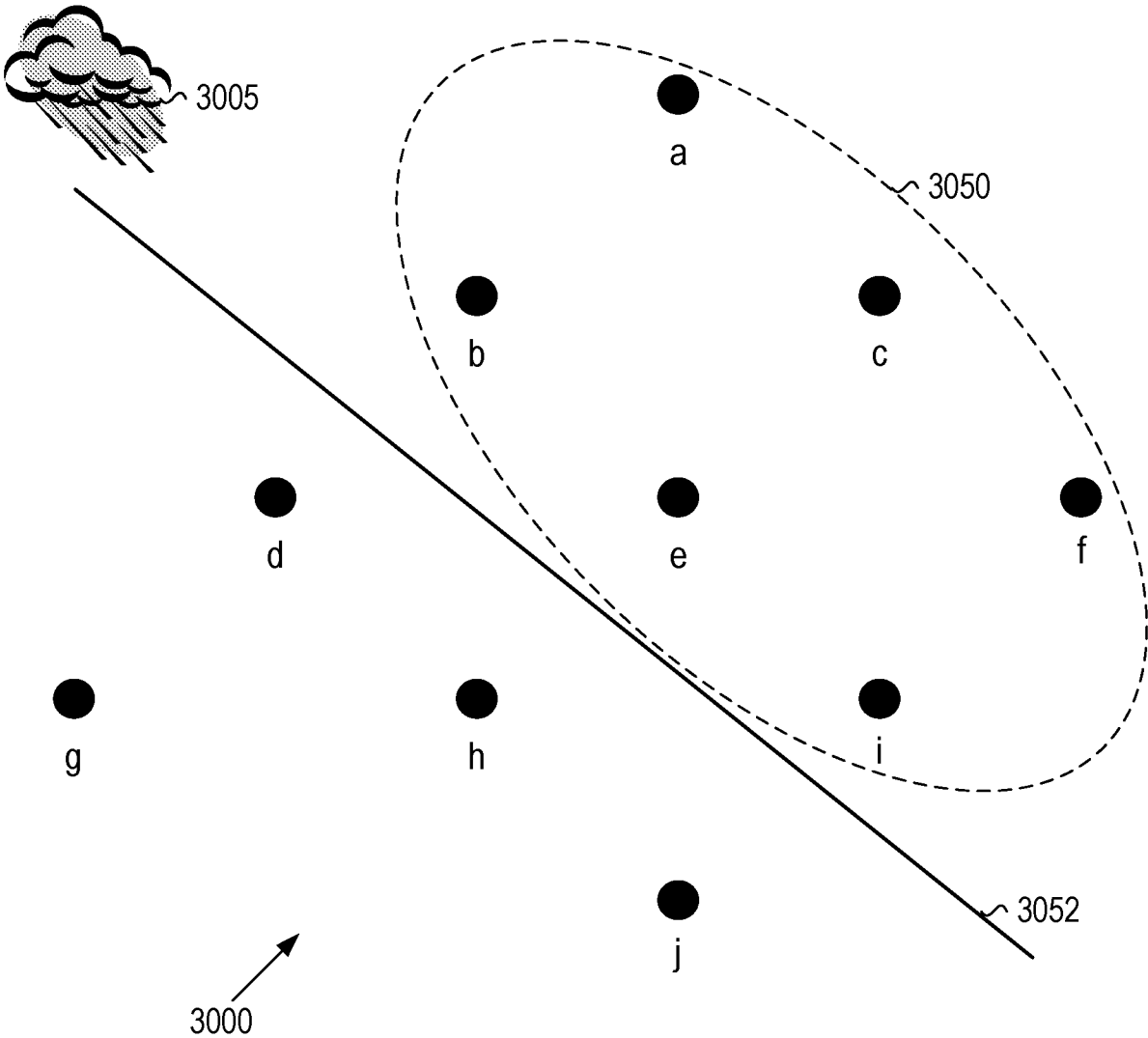


Fig. 30

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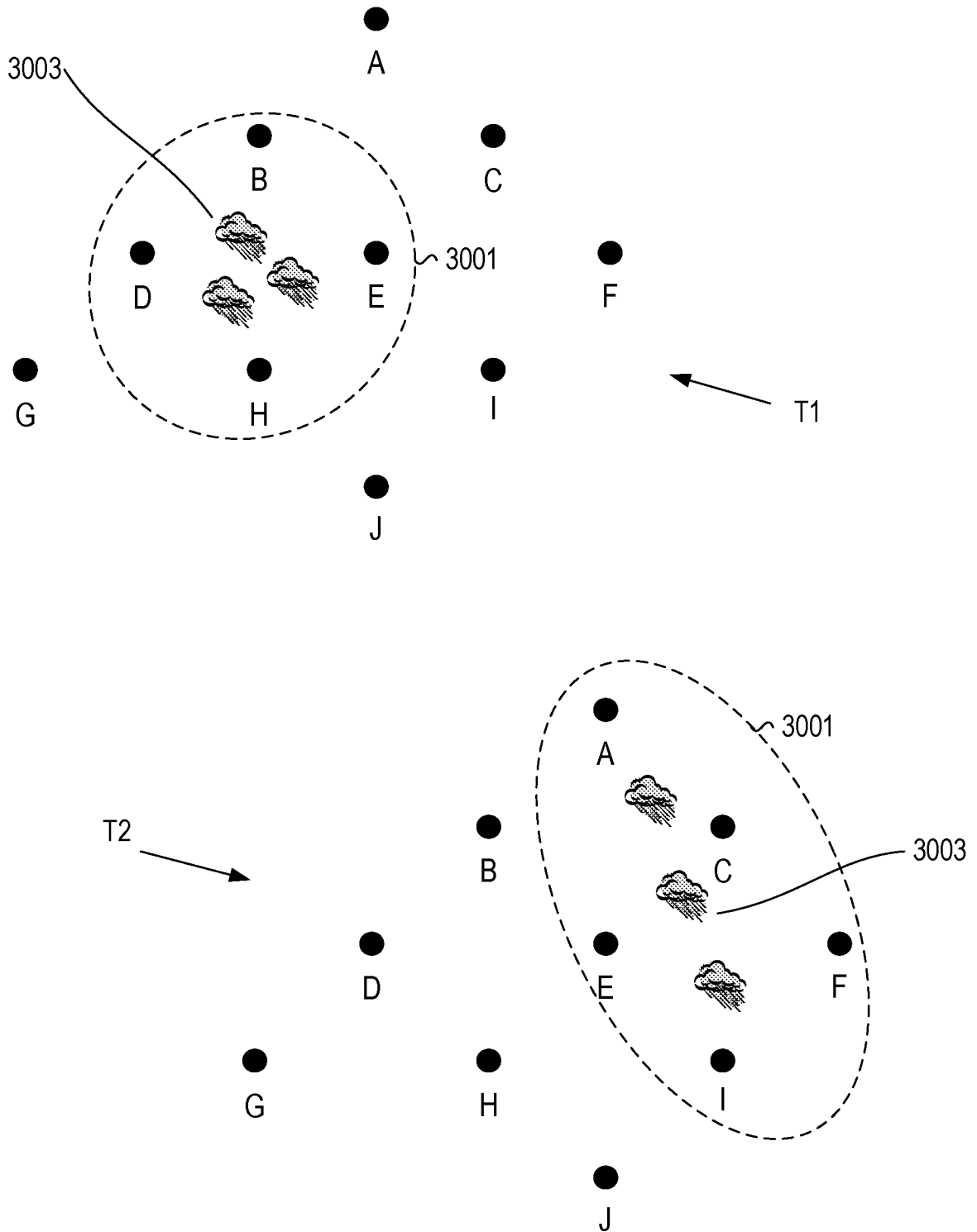


Fig. 31

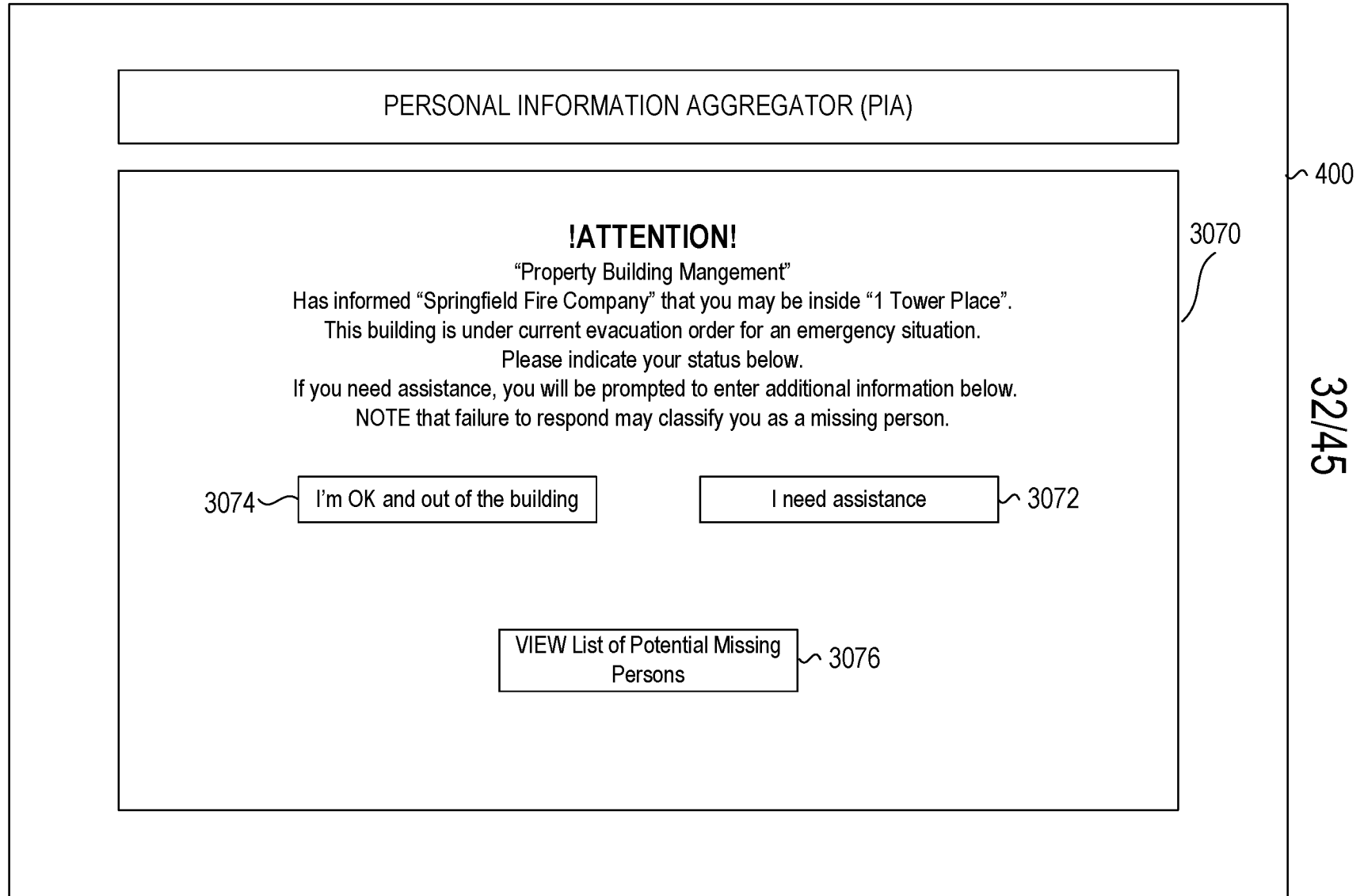


Fig. 32

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SELECT EVENT:

HURRICANE WILEY

TORNADO, SMALLTOWN

TORNADO, BIGTOWN

FLOODING, MIDDLEVILLE

3082

SEARCH (Enter ZIP, Street, or Address)

Orchard Drive

3084

POSTS

(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.

3086

TYPE NEW POSTS

3088

ADD POST

ROLL CALL LIST

3089

3080

Fig. 33

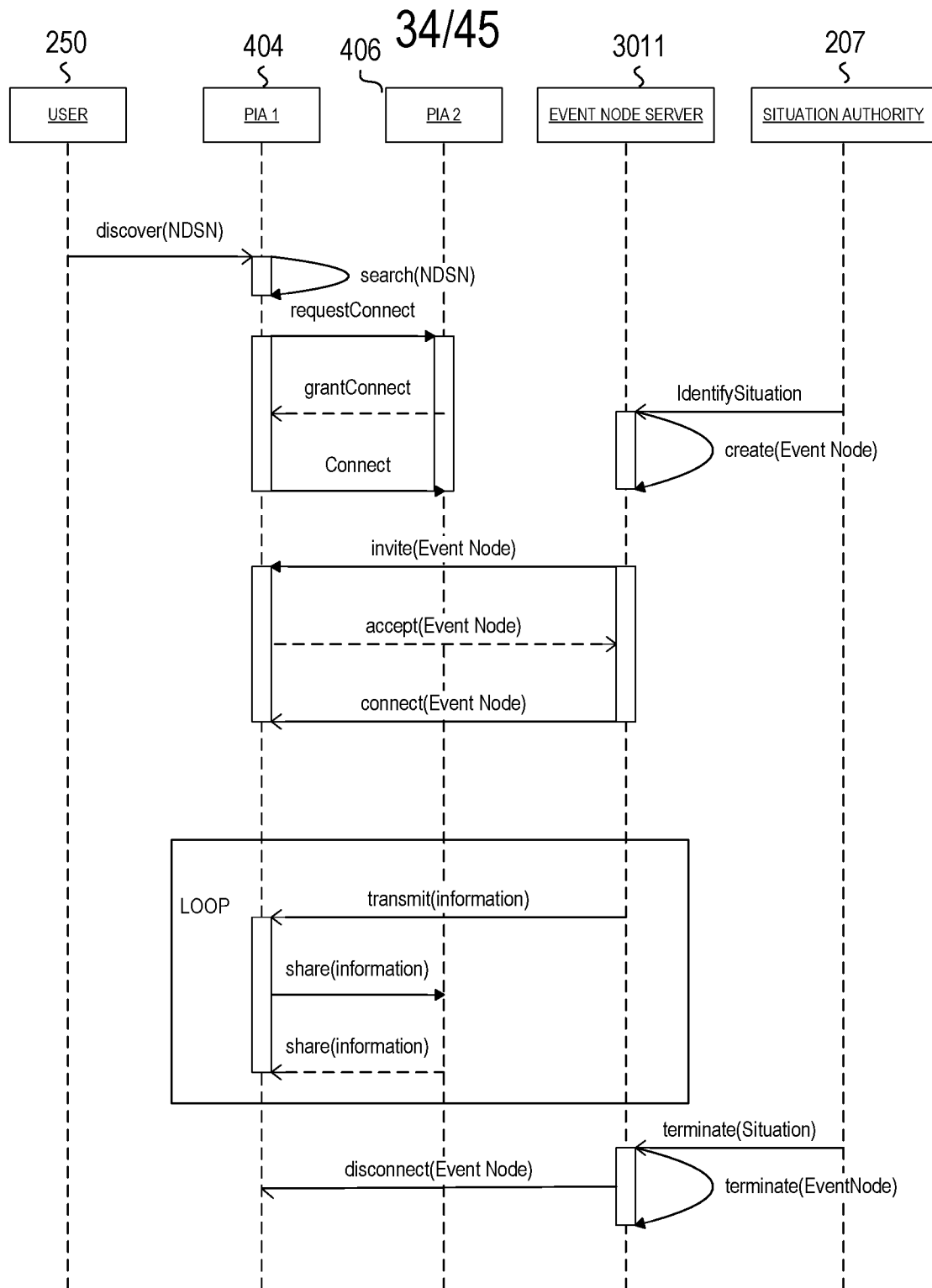


Fig. 34

35/45

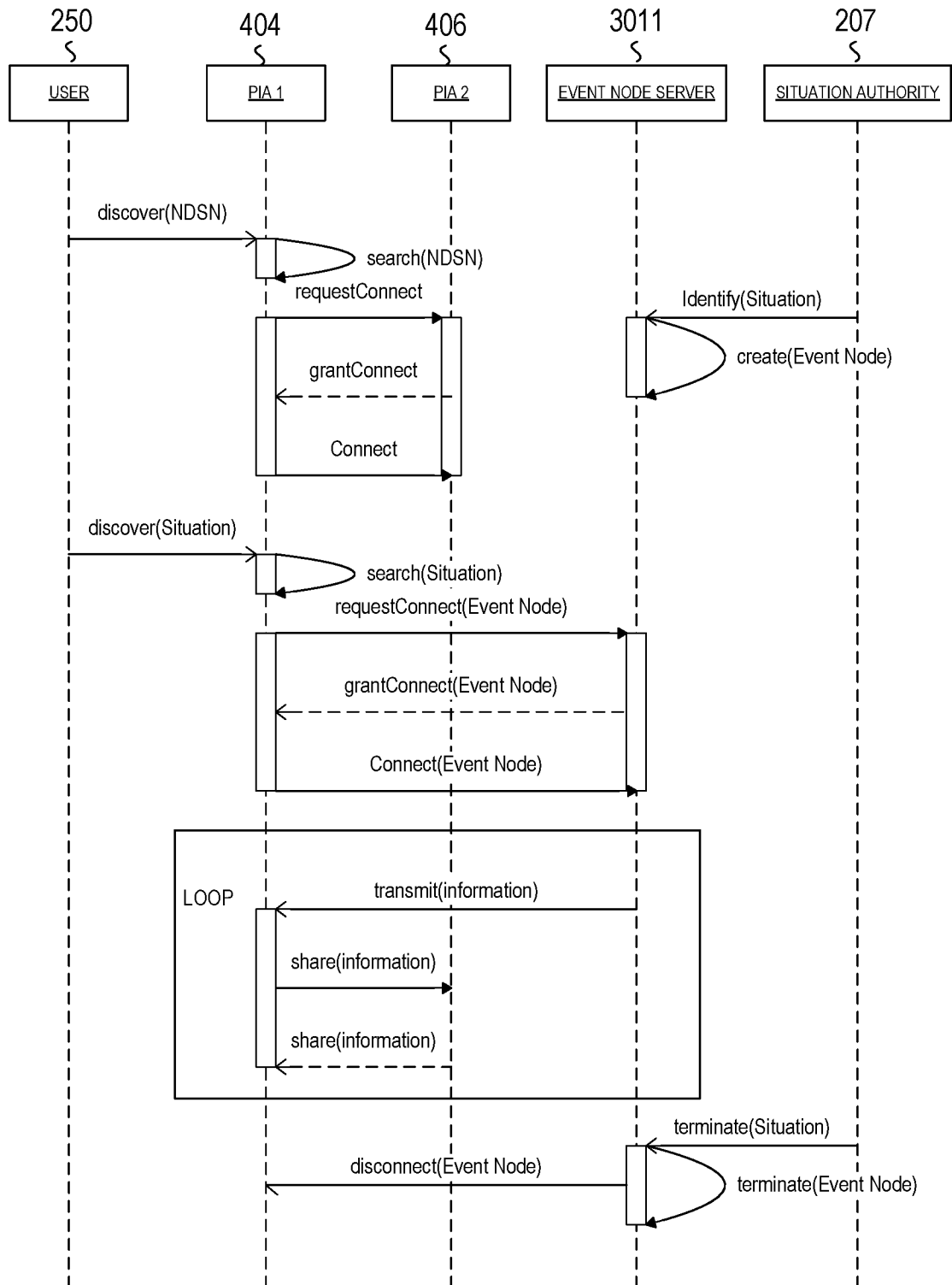


Fig. 35

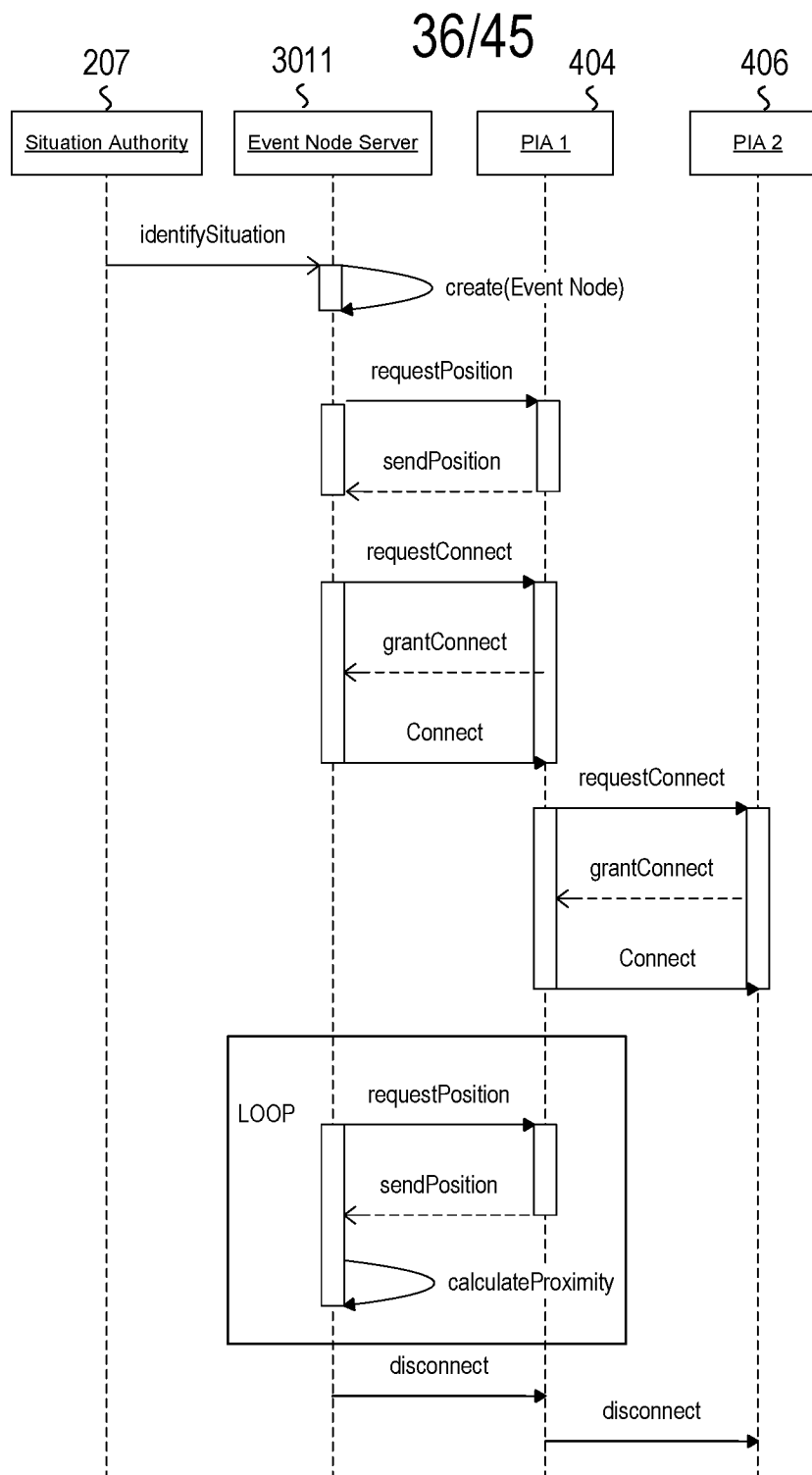


Fig. 36

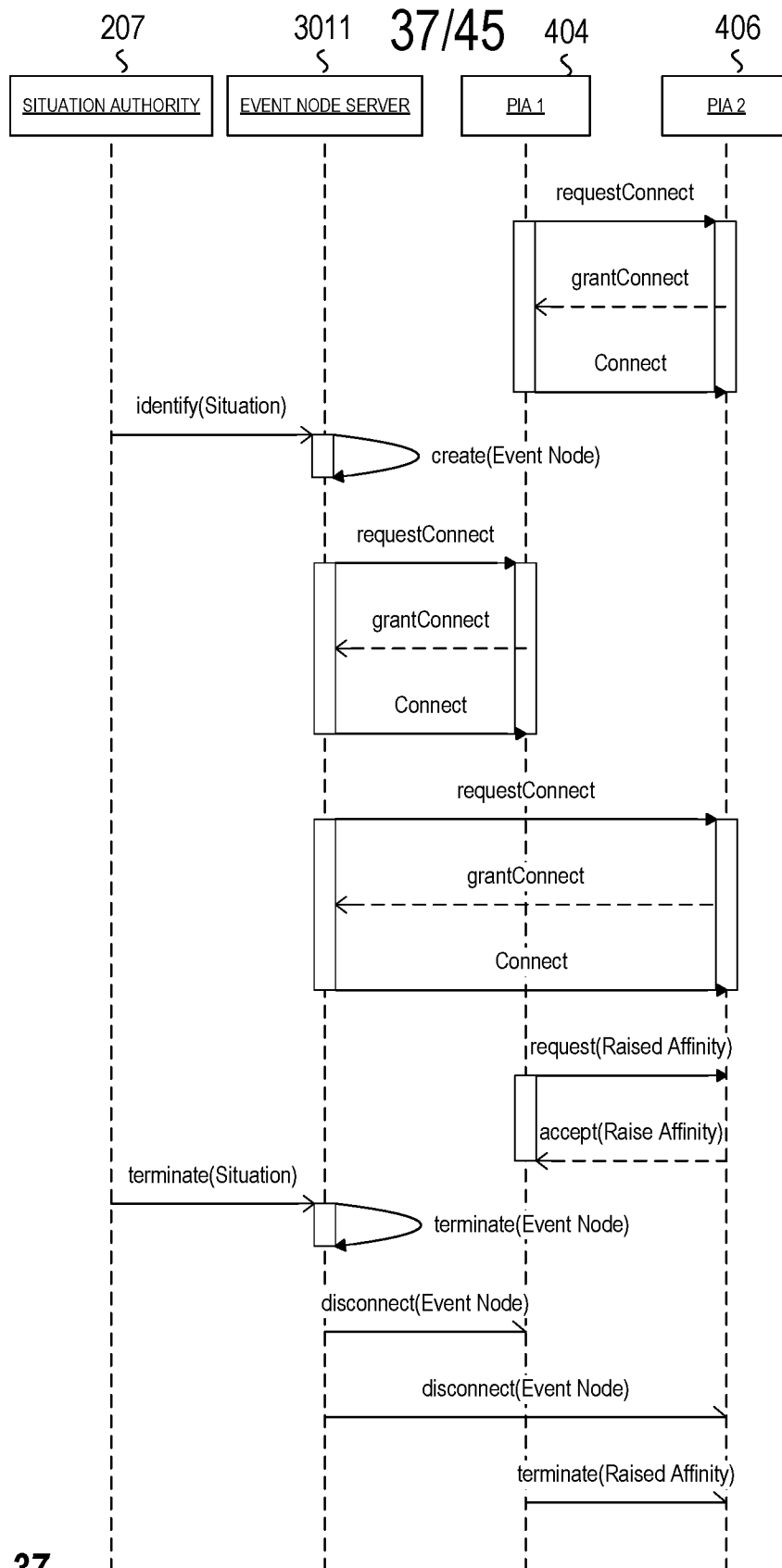


Fig. 37

38/45

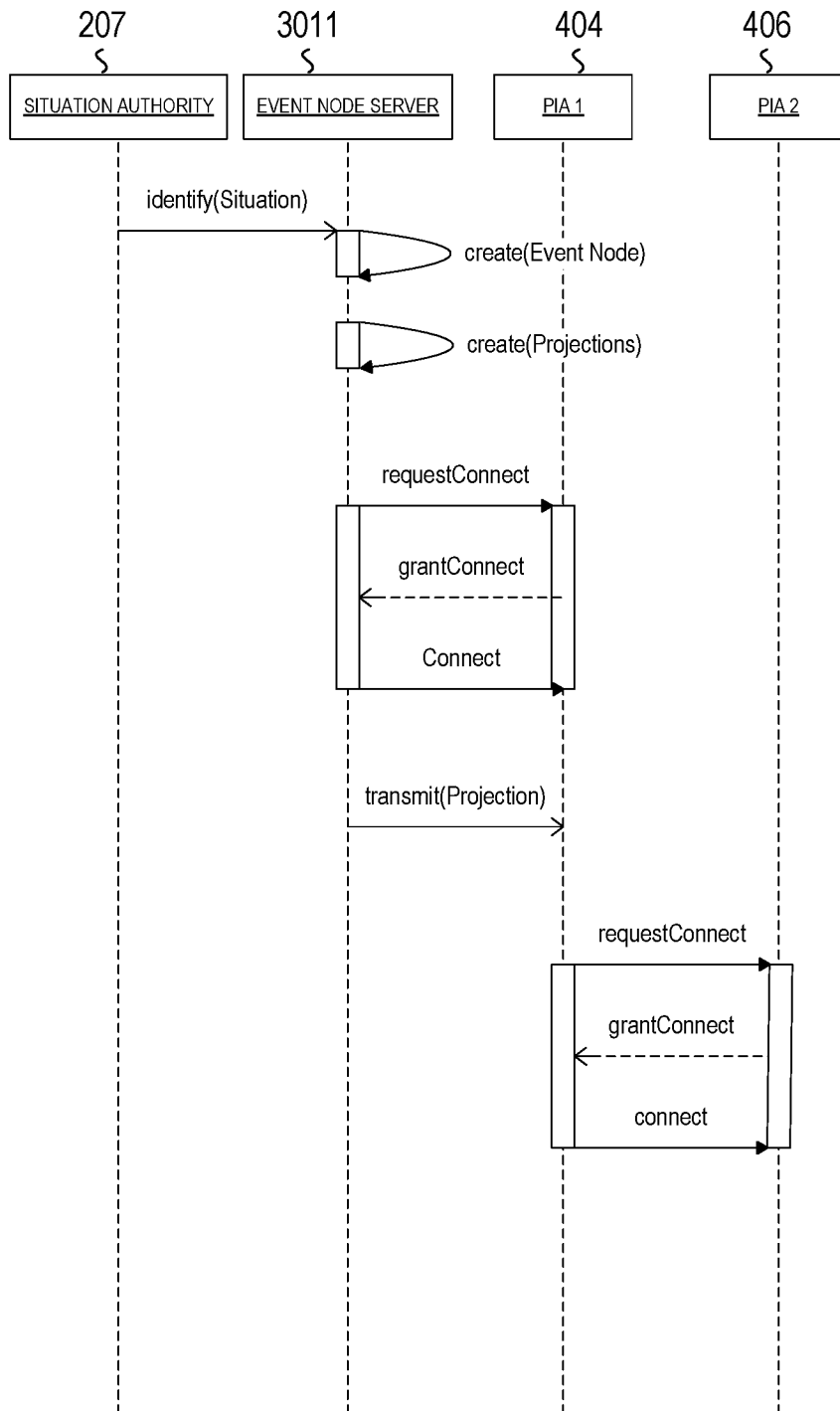


Fig. 38

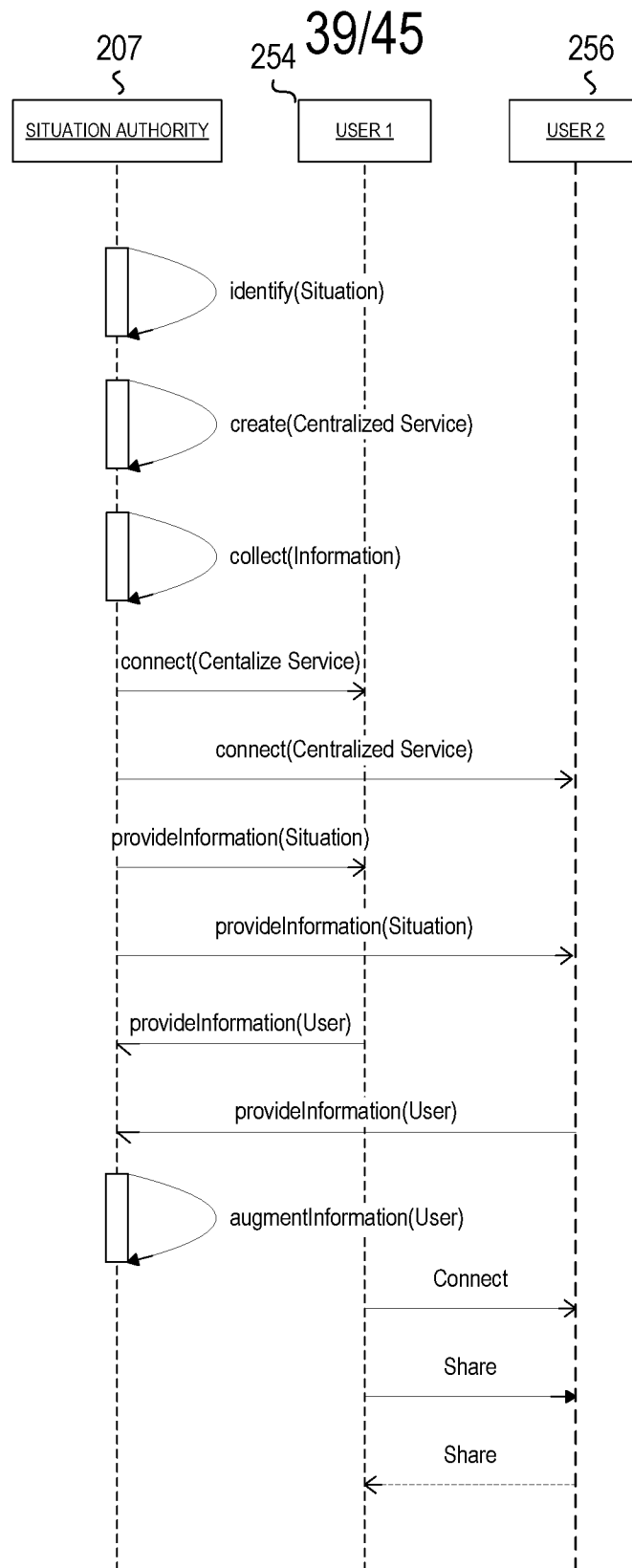


Fig. 39

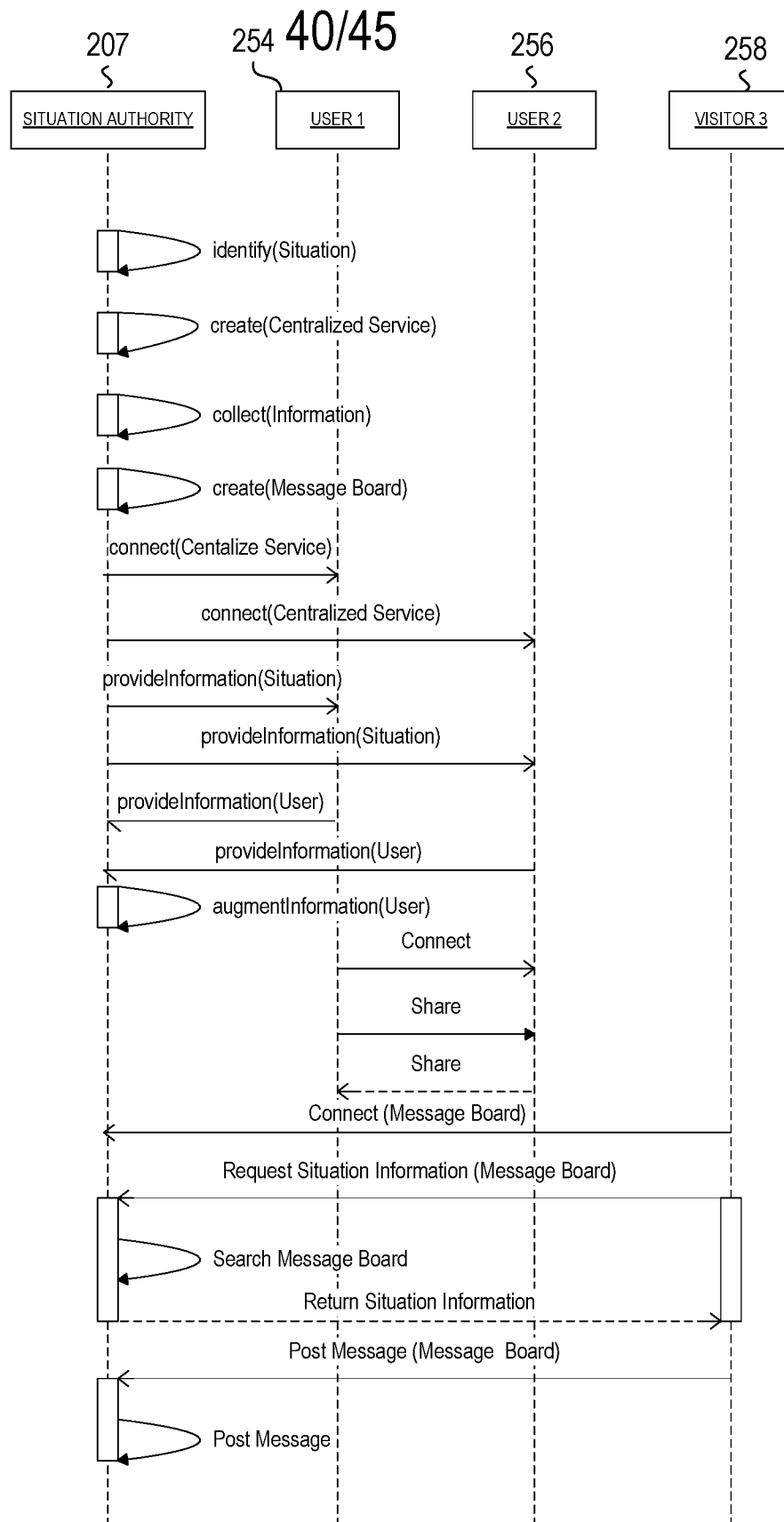


Fig. 40

41/45

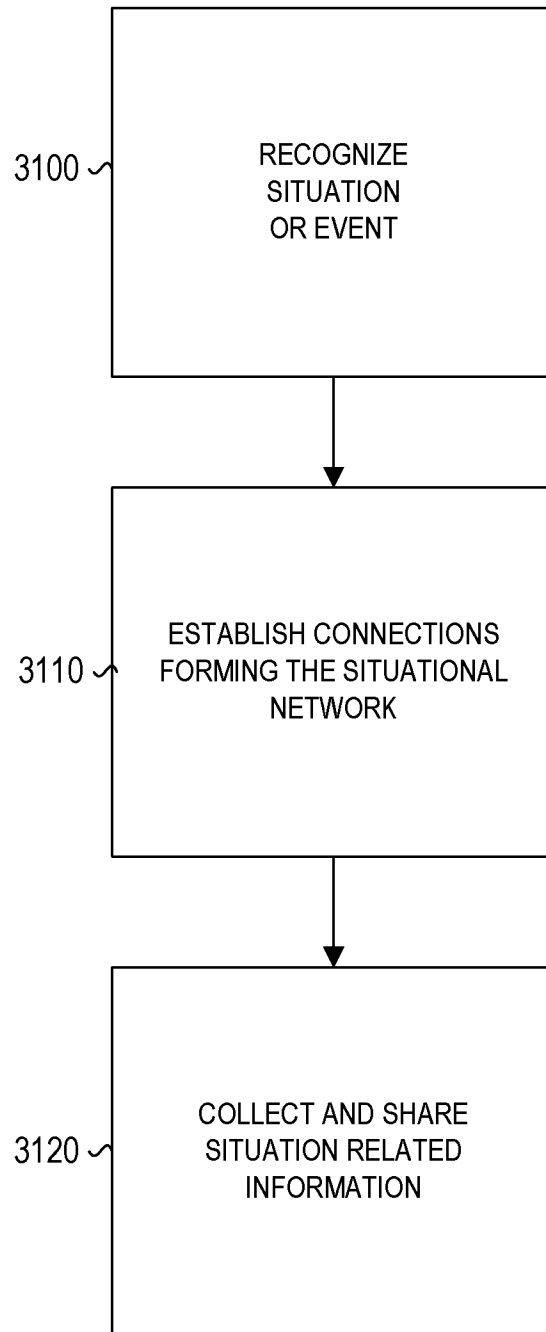


Fig. 41

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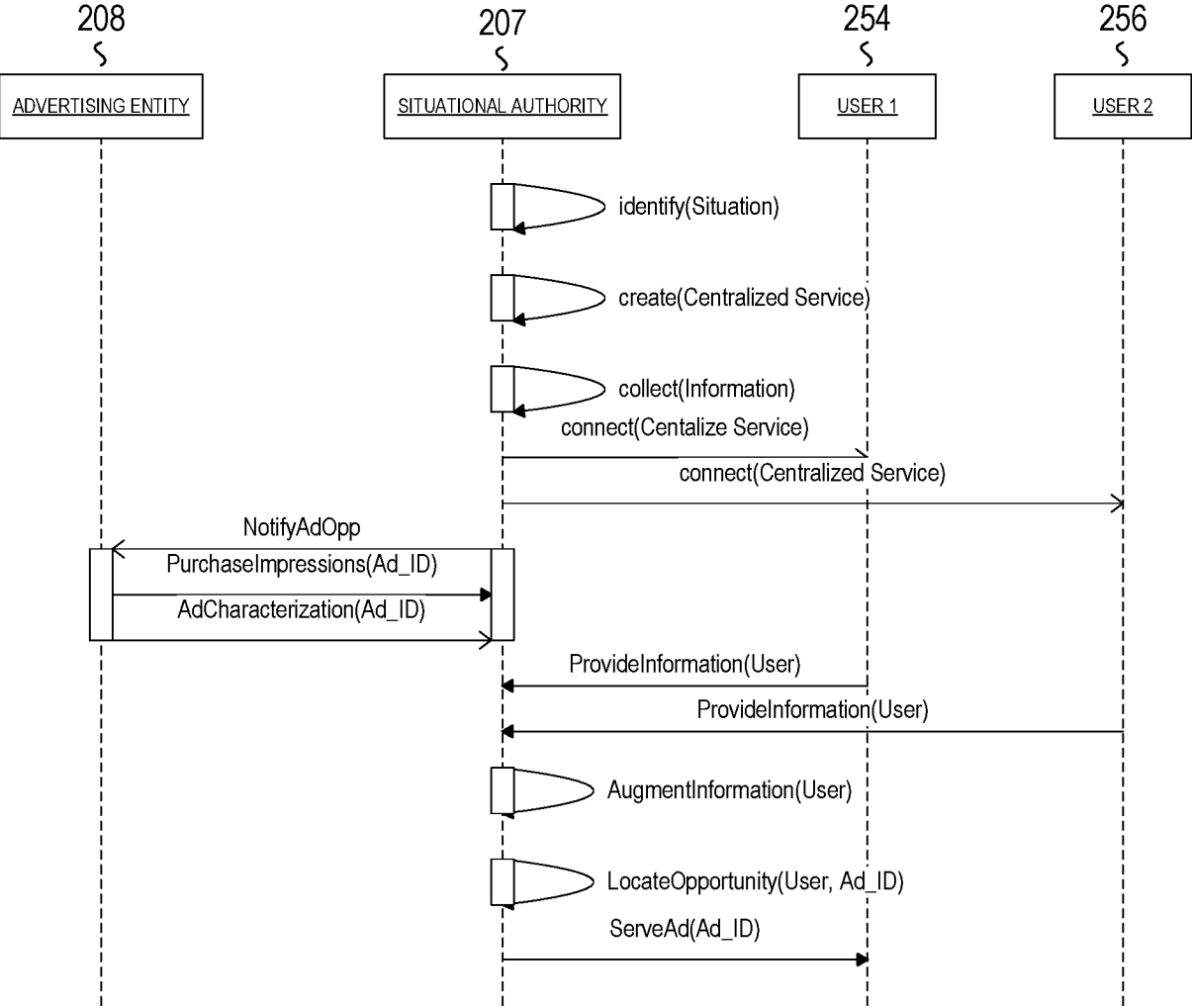


Fig. 42

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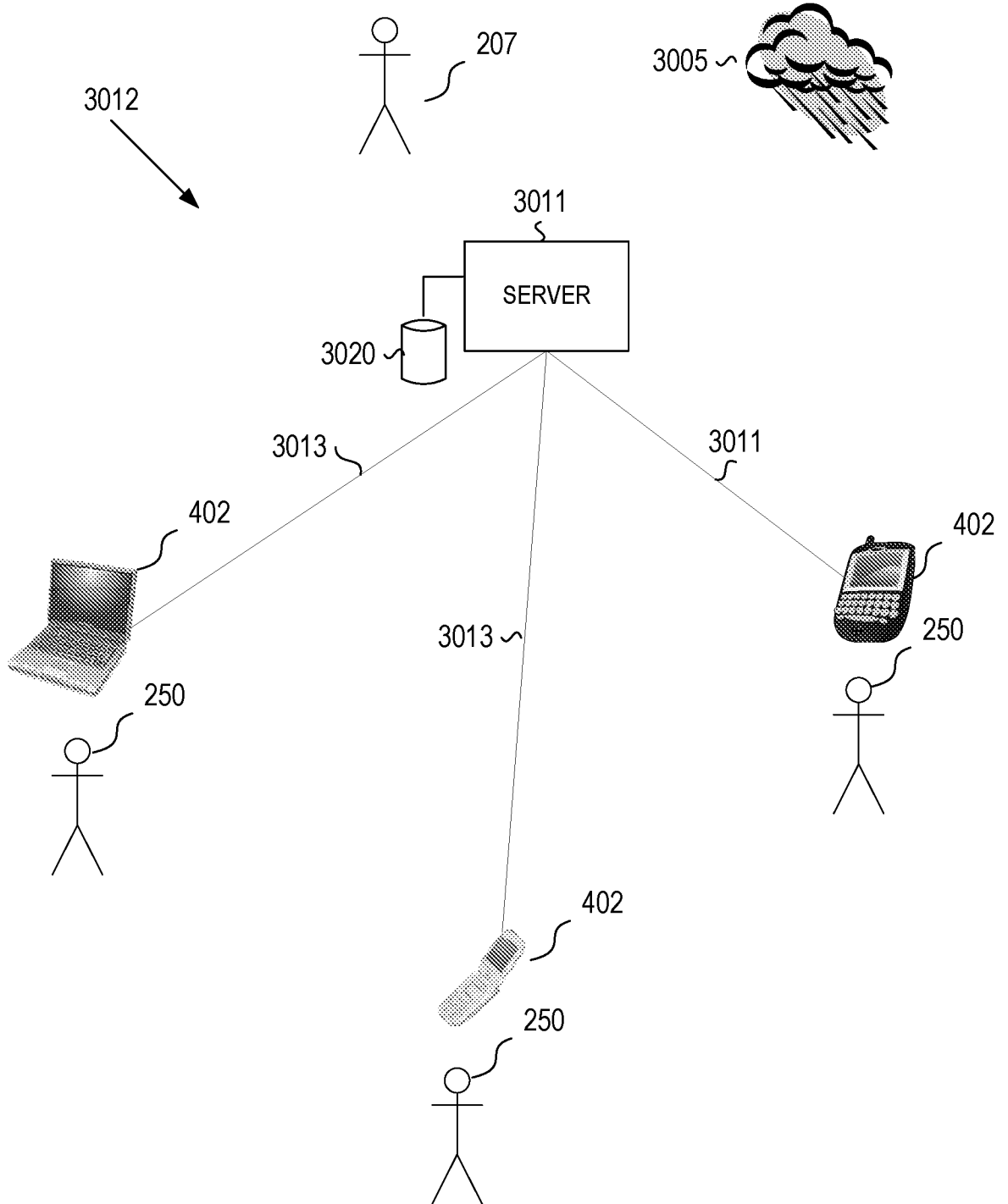


Fig. 43

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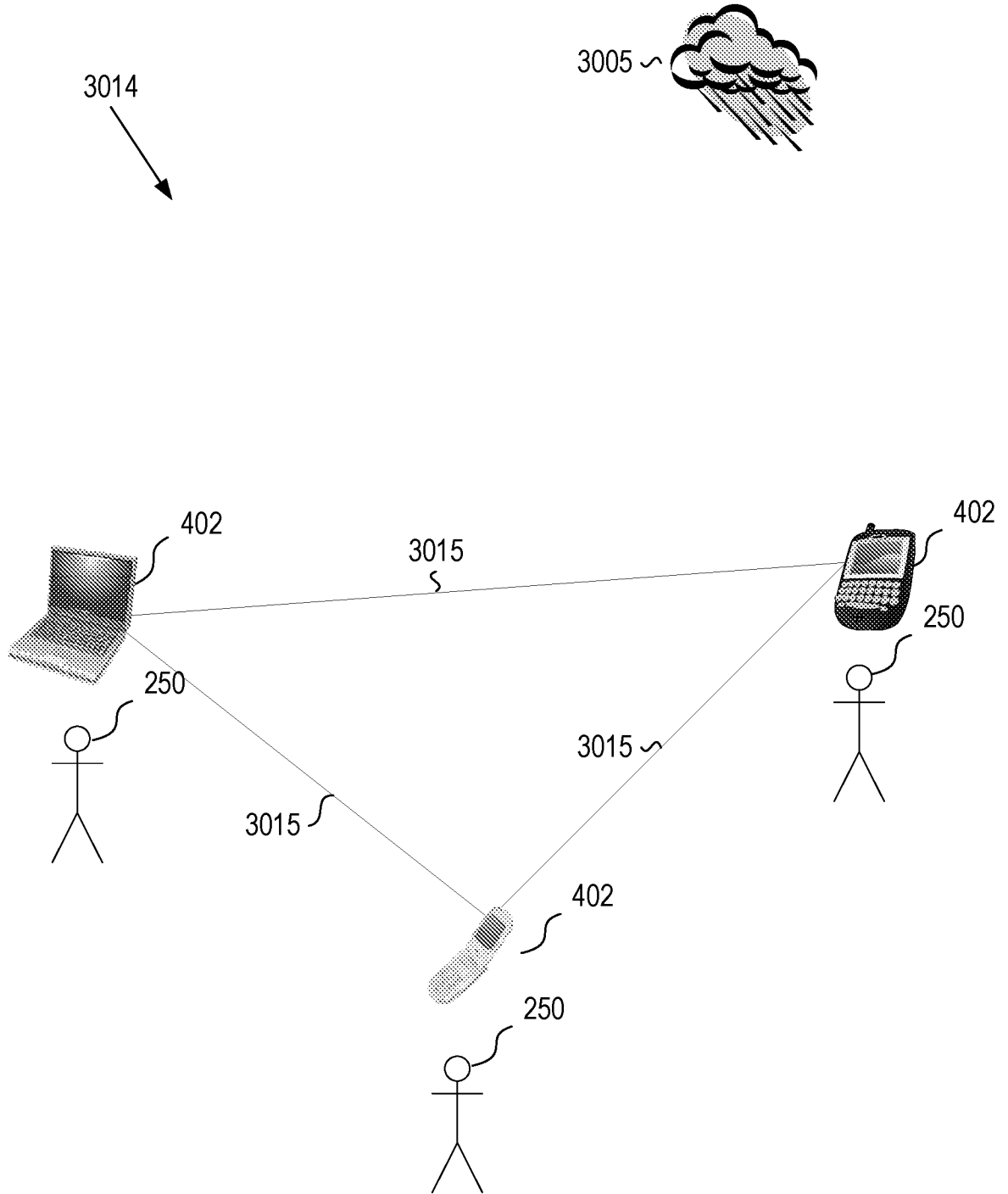


Fig. 44

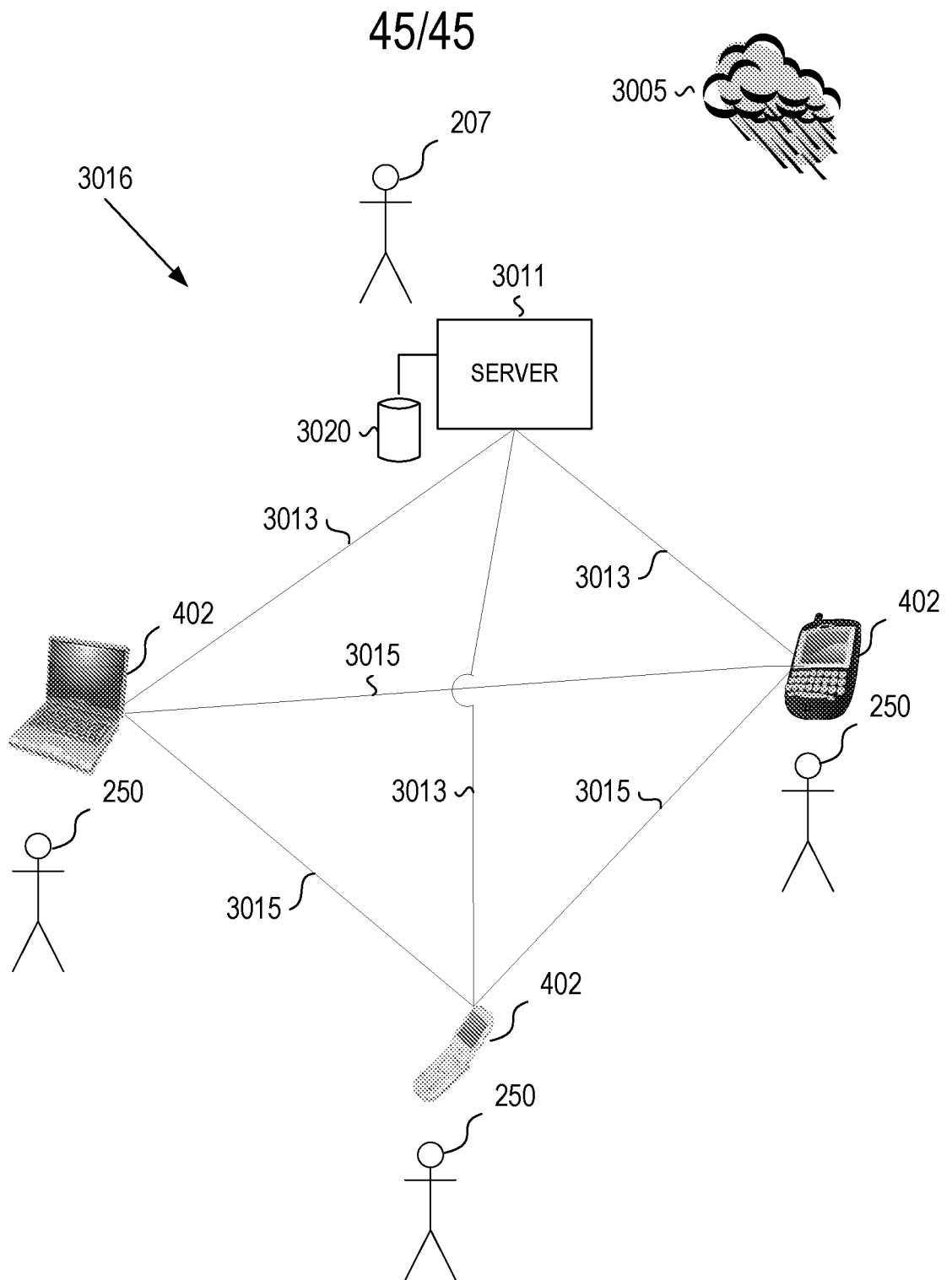


Fig. 45

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	RCL-005-17
		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.	goe			
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						

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	RCL-005-17
		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	84212		
Email Address		Add Email	Remove Email

Application Information:

Title of the Invention	METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK		
Attorney Docket Number	RCL-005-17	Small Entity Status Claimed	☐
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)		Suggested Figure for Publication (if any)	

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	RCL-005-17
		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	B4212		

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	14861340	2015-09-22

Application Data Sheet 37 CFR 1.76		Attorney Docket Number		RCL-005-17	
		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)
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:

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

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	RCL-005-17
		Application Number	
Title of Invention	METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK		

☐ 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	RCL-005-17
		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.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	RCL-005-17
		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	Resource Consortium Limited	
Mailing Address Information For Applicant:		
Address 1	Craigmuir Chambers	
Address 2	P.O. Box 71, Road Town	
City	Tortola	State/Province
Country	VG	Postal Code
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.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	RCL-005-17
		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:

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	/Joseph Miller/		Date (YYYY-MM-DD)	2017-06-30
First Name	Joseph	Last Name	Miller	Registration Number
				61748
Additional Signature may be generated within this form by selecting the Add button.				Add

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	RCL-005-17
		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 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.

SCORE Placeholder Sheet for IFW Content

Application Number: 15638722

Document Date: 06/30/2017

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.

- Drawings – Other than Black and White Line Drawings

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.

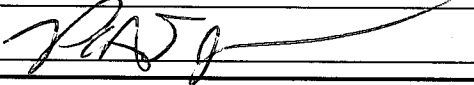
To access the documents in the SCORE database, refer to instructions below.

At the time of document entry (noted above):

- Examiners may access SCORE content via the eDAN interface.
- Other USPTO employees can bookmark the current SCORE URL (<http://Score.uspto.gov/ScoreAccessWeb/>).
- External customers may access SCORE content via the Public and Private PAIR interfaces.

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 <u>14/861,340</u> filed on <u>September 22, 2015</u>. 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: <u>Patrick T. Igoe</u> Date (Optional): <u>May 11, 2016</u> 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.

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 14/861,340filed 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 INVENTORInventor: Edward A. EhrlacherDate (Optional): 5-9-2016Signature: 

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.

Privacy Act Statement

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

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

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

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
15/638,722	06/30/2017	Thomas Cona	RCL-005-17

CONFIRMATION NO. 8311

INFORMAL NOTICE



84212
The Belles Group, P.C.
1608 Walnut Street, Suite 1302
Philadelphia, PA 19103

Date Mailed: 07/11/2017

INFORMATIONAL NOTICE TO APPLICANT

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

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

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

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.

/fasrat/

PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number
15/638,722

APPLICATION AS FILED - PART I

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

* If the difference in column 1 is less than zero, enter "0" in column 2.

APPLICATION AS AMENDED - PART II

		(Column 1)		(Column 2)	(Column 3)	SMALL ENTITY		OR	OTHER THAN SMALL ENTITY	
AMENDMENT A		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)		RATE(\$)	ADDITIONAL FEE(\$)
	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))							OR		
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	

		(Column 1)		(Column 2)	(Column 3)	SMALL ENTITY		OR	OTHER THAN SMALL ENTITY	
AMENDMENT B		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)		RATE(\$)	ADDITIONAL FEE(\$)
	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))							OR		
	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
15/638,722	06/30/2017	2447	1740	RCL-005-17	1	1

CONFIRMATION NO. 8311

FILING RECEIPT



0000000092633237

84212
The Belles Group, P.C.
1608 Walnut Street, Suite 1302
Philadelphia, PA 19103

Date Mailed: 07/11/2017

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

Inventor(s)

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

Applicant(s)

Resource Consortium Limited, Tortola, VIRGIN ISLANDS, BRITISH;

Power of Attorney: The patent practitioners associated with Customer Number 84212

Domestic Priority data as claimed by applicant

This application is a CON of 14/861,340 09/22/2015
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 for which priority is claimed (You may be eligible to benefit from the **Patent Prosecution Highway** program at the USPTO. Please see <http://www.uspto.gov> for more information.) - None.

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

Permission to Access Application via Priority Document Exchange: Yes

Permission to Access Search Results: Yes

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

If Required, Foreign Filing License Granted: 07/10/2017

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 15/638,722**

Projected Publication Date: Request for Non-Publication Acknowledged

Non-Publication Request: Yes

Early Publication Request: No
Title

METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK

Preliminary Class

709

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 Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

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

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

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

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Inventor: Thomas Cona

Examiner: Philip B. Tran

Serial No.: 15/638,722

Art Unit: 2455

Filing Date: June 30, 2017

Confirmation No.: 8311

For: METHOD AND SYSTEM FOR USING
A SITUATIONAL NETWORK

Attorney Docket No.: RCL-005-17

RESPONSE TO INFORMATIONAL NOTICE TO APPLICANT

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

Commissioner:

Applicants hereby submit this Response to the Informational Notice to Applicant
dated July 11, 2017.

Remarks begin on page 2 of this Paper.

REMARKS

In response to the Informational Notice to Applicant dated July 11, 2017, Applicants hereby submit the following documents from priority application Serial No. 11/924,711 to establish that the present application is properly accorded Rule 1.47(a) (pre-AIA) status with respect to non-signing inventor Leonid Kravets, thereby rendering moot the requirement in the Notice to File Missing Parts for a signed Declaration from the non-signing inventor:

1. Petition To Permit Acceptance Of A Patent Application Where An Inventor Has Refused To Sign The Declaration Under 37 C.F.R. 1.47 ("Petition")
2. Affidavit of Leonid Kravets ("Kravets Affidavit")
3. Decision According Status Under 37 C.F.R. 1.47(a) ("Petition Decision")

The claim of priority for the present application is reflected in the Filing Receipt mailed July 11, 2017, which indicates that priority is claimed as a continuation application to U.S. Patent Application No. 14/861,340, filed September 22, 2015, which priority is claimed as a continuation application to U.S. Patent Application No. 13/612,964, filed September 13, 2012, which priority is claimed as a continuation application to U.S. Patent Application No. 13/274,712, filed October 17, 2011, which claims priority as a divisional application to U.S. Patent Application No. 11/924,711, filed October 26, 2007, which claims the benefit of U.S. Provisional Patent Application No. 60/887,843, filed February 2, 2007.

According to the Filing Receipt, priority of the present application has been properly established to U.S. Patent Application Serial No. 11/924,711 ("the '711 Application"). Each of the papers listed above are of record in the '711 Application. The Petition and the Kravets Declaration were filed by applicants in the '711 Application on February 11, 2008, in order to address the issue of inventor Leonid Kravets refusing to sign a Declaration for the '711 Application, and the Petition Decision was mailed June 4, 2008. By the Petition Decision, the '711 Application was "accorded Rule 1.47(a) status" with respect to "the petition under 37 CFR 1.47(a), filed February 11, 2008". Thus, in the

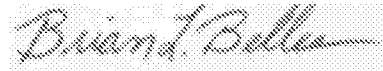
'711 Application, examination of the application properly proceeded under 37 C.F.R. § 1.47(a) in the absence of non-signing inventor Leonid Kravets.

In the present application, Applicants submit the Petition, the Kravets Affidavit, and the Petition Decision¹ to similarly establish that this application, which claims priority to the '711 Application, is also properly accorded Rule 1.47(a) (pre-AIA) status. In view of these documents, Applicants submit that the present application should properly proceed in the absence of a signed Declaration from Leonid Kravets. The requirement for a signed Declaration from Leonid Kravets in the Informational Notice to Applicant dated July 11, 2017, should therefore be withdrawn, and the application allowed to proceed.

Should any outstanding questions or issues remain, the Office is invited to contact Applicants' attorney at the telephone number below.

Respectfully submitted,

THE BELLES GROUP, P.C.



Date: July 31, 2017

By: Brian L. Belles, Esq.
Reg. No. 51,322
The Belles Group, P.C.
1608 Walnut Street, Suite 1302
Philadelphia, PA 19103
Office: 215-735-9302

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re: Patent Application of Thomas Cona

Conf. No.: 1749 : Group Art Unit: 2616
Appln. No.: 11/924,711 : Examiner: TBD
Filing Date: 26 OCTOBER 2007 : Attorney Docket No.: RCL-005-2
Title: Creating a Projection of a Situational Network

PETITION TO PERMIT ACCEPTANCE OF A PATENT APPLICATION
WHERE AN INVENTOR HAS REFUSED TO SIGN THE DECLARATION
UNDER 37 C.F.R. 1.47

This paper is a Petition under 37 C.F.R. §1.47(a) to accept the above-identified patent application (“the Application”).

Statement of Facts

1. The subject matter of the Application was jointly invented by Thomas Cona (Cona), Patrick T. Igoe (Igoe), Leonid Kravets (Kravets) and Edward A. Ehrlacher (Ehrlacher).
2. At the time of the invention, Igoe, Kravets and Ehrlacher were employees of Technology, Patents and Licensing, Inc. (“TPL”), and were under a duty to assign all rights, title and interest in the subject matter of the Application to TPL.
3. Kravets has been continuously employed by TPL from at least conception of the invention until present.

4. Cona, Igoe, Kravets and Ehrlacher were presented with application papers, including the specification, claims and drawings, prior to filing of the application and again prior to the filing of this Petition.
5. Pursuant to MPEP 409.03(d), the undersigned sent a complete copy of the application papers, as well as an Oath/Declaration and Power of Attorney form, to Kravets at his presently known address, set forth below, via U.S. Postal Service, certified mail on February 4, 2008.
6. The undersigned sent a complete copy of the application papers to Kravets via e-mail on February 4, 2008.
7. Kravets has refused to join in execution of the Application, by expressly refusing to sign the Oath/Declaration.
8. The reasons for Kravets' refusal are set forth in the Declaration of Kravets, dated February 8, 2008, attached hereto as Exhibit A. Kravets also orally communicated to the undersigned his refusal to join in the Application.
9. The Oath/Declaration and Power of Attorney was executed by Cona on November 26, 2007, Igoe on January 31, 2008 and Ehrlacher on February 8, 2008, on behalf of themselves and Kravets. Pursuant to MPEP 409.03(a), the signature block of the nonsigning inventor, Kravets, has been left blank.

In view of the foregoing, Thomas Cona, Patrick T. Igoe and Edward A. Ehrlacher, joint inventors of the subject matter of the Application, hereby petition for acceptance of the application on their behalf and that of the non-signing inventor, Kravets.

This petition filed under 37 C.F.R. §1.47(a), includes:

1. The Oath/Declaration and Power of Attorney, dated November 26, 2007, January 31, 2008 and February 8, 2008, executed by Cona, Igoe and Ehrlacher on behalf of themselves and the nonsigning inventor, Kravets;
2. The Declaration of Leonid Kravets, dated February 8, 2008, attached as Exhibit A, stating that he was presented with the application papers and that he expressly refused to sign;
3. The last known address of the non-signing inventor, Leonid Kravets, is: 2001 Hamilton Avenue, Unit 727, Philadelphia, PA 19130; and
4. The Petition fee as set forth in C.F.R. 1.17(g) in the amount of **\$200.00**.

☒ The Commissioner is hereby authorized to charge Deposit Account No. 503061 as noted below. A duplicate copy is enclosed.

☒ Petition Fee in the amount of \$200.00.

☒ Any deficiencies or overpayments in the above-calculated fee.

Respectfully submitted,

Date: 2/11/08

By: Andrew W. Spicer

Andrew W. Spicer
Registration No. 57,420
Technology, Patents & Licensing, Inc.
2003 South Easton Road, Suite 208
Doylestown, PA 18901
267-880-1720

Customer No.: 27833

EXHIBIT A

Mail Stop Missing Parts

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re: Patent Application of Thomas Cona

Conf. No.: 1749 : Group Art Unit: 2616
Appln. No.: 11/924,711 : Examiner: TBD
Filing Date: 26 OCTOBER 2007 : Attorney Docket No.: RCL-005-2
Title: Creating a Projection of a Situational Network

DECLARATION OF LEONID KRAVETS

I, Leonid Kravets, hereby declare that:

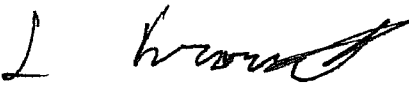
1. I, Leonid Kravets, am a citizen of the United States and reside at 2001 Hamilton Avenue, Unit 727, Philadelphia, PA 19130.
2. I am a joint inventor with Thomas Cona of Athens, GA, Patrick T. Igoe of Philadelphia, PA, and Edward A. Ehrlacher of Philadelphia, PA of the subject matter of U.S. Patent Application No. 11/924,711 entitled *Creating a Projection of a Situational Network*, filed October 26, 2007 ("the Application").
3. The Application claims priority to U.S. Provisional Application No. 60/887,843, filed February 2, 2007.
4. I was employed as a Patent Examiner at the U.S. Patent and Trademark Office ("PTO") from June 27, 2005, until May 12, 2006.
5. I have been continuously employed by Technology, Patents & Licensing, Inc. ("TPL"), of Doylestown, PA, since May 18, 2006, until present.
6. I was an employee of TPL at the time of conception of the subject matter of the Application and was an employee of TPL at the time of filing the Application.
7. Pursuant to my employment agreement with TPL, I have a duty to assign all of my rights, title and interest in the subject matter of the Application to TPL.
8. I received, via U.S. certified mail on February 5, 2008, a copy of the Application, including a copy of the specification, claims and drawings, as

well as an Oath/Declaration and Power of Attorney form. I was also presented with such application papers by representatives of TPL prior to filing of the application.

9. Upon receipt of the application papers for the Application, I expressly refused to sign the Oath/Declaration. The reason(s) for this refusal include my understanding that, I am not permitted to and/or am incapable of executing an application for a United States patent that claims priority to a date earlier than one year after termination of my employment with the PTO.

I hereby declare a that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statement may jeopardize the validity of the application or any patent issuing thereon.

Executed this 8th day of February, 2008.

BY: 
LEONID KRAVETS



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

TECHNOLOGY, PATENTS AND LICENSING, INC.
2003 South EASTON ROAD
SUITE 208
DOYLESTOWN, PA 18901

COPY MAILED

JUN 04 2008

OFFICE OF PETITIONS

In re Application of	:	
Cona et al.	:	
Application No. 11/924,711	:	Decision According Status
Filed: October 26, 2007	:	Under 37 CFR 1.47(a)
Attorney Docket No. RCL-005-2	:	
For: Creating a Projection of a	:	
Situational Network	:	

This is a decision on the petition under 37 CFR 1.47(a), filed February 11, 2008.

The petition is **granted**.

The above-identified application and papers have been reviewed and found in compliance with 37 CFR 1.47(a). This application is hereby accorded Rule 1.47(a) status.

As provided in Rule 1.47(c), this Office will forward notice of this application's filing to the non-signing inventor at the address given in the petition. Notice of the filing of this application will also be published in the Official Gazette.

The Office of Patent Application Processing will be informed of the instant decision so that it may continue to prepare the application for examination.

Telephone inquiries regarding this communication should be directed to Petitions Attorney Steven Brantley at (571) 272-3203.

Charles Steven Brantley
Senior Petitions Attorney
Office of Petitions

Electronic Acknowledgement Receipt

EFS ID:	29934008
Application Number:	15638722
International Application Number:	
Confirmation Number:	8311
Title of Invention:	METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK
First Named Inventor/Applicant Name:	Thomas Cona
Customer Number:	84212
Filer:	Brian L. Belles/Robin Diesel
Filer Authorized By:	Brian L. Belles
Attorney Docket Number:	RCL-005-17
Receipt Date:	31-JUL-2017
Filing Date:	30-JUN-2017
Time Stamp:	14:08:29
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
------------------------	----

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Oath or Declaration filed	Substitute_Statement_Cona_Executed.pdf	845505	no	2
			008e62580e4de0bd59817a3a5819a4d010413dc7		

Warnings:

Information:					
2	Miscellaneous Incoming Letter	Response_to_Informational_Notice_to_Applicant_RCL-005-17.pdf	791859 d587ca58069be632a114fd77fedd05554a259300	no	3
Warnings:					
Information:					
3	Miscellaneous Incoming Letter	11924711_Petition_RCL-005-17.pdf	193743 9571b387cd5a9b4fe3cd83b1d4a69f820bd6511d	no	3
Warnings:					
Information:					
4	Miscellaneous Incoming Letter	11924711_Affidavit_RCL-005-17.pdf	147979 02b46fdb8930c7ce24a5689e1c24947b8f7a3d85	no	2
Warnings:					
Information:					
5	Miscellaneous Incoming Letter	11924711_Decision_Granteeing_Petition.pdf	88363 3e391f04a5cd393918fd6935c11a35a7d3c112fd	no	1
Warnings:					
Information:					
Total Files Size (in bytes):			2067449		
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. <u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application. <u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course. <u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.					

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**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 <u>15/638,722</u> filed on <u>June 30, 2017</u>			
LEGAL NAME of inventor to whom this substitute statement applies:			
(E.g., Given Name (first and middle (if any)) and Family Name or Surname)			
Thomas Cona			
Residence (except for a deceased or legally incapacitated inventor):			
City	State	Country	
Athens	GA	US	
Mailing Address (except for a deceased or legally incapacitated inventor):			
700 Riverview Road			
City	State	Zip	Country
Athens	GA	30606	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.			

[Page 1 of 2]

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.

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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/11 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 identify 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: **Gordon R. Herring**

Date (Optional):

Signature: **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:

Resource Consortium Limited

Applicant Name:

Title of Person Executing
This Substitute Statement: **Vice President**

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/14 or equivalent):

City **Greenville**State **SC**Country **US**

Mailing Address of the signer (unless provided in an application data sheet, PTO/AIA/14 or equivalent)

**Craigmuir Chambers
P.O. Box 71, Road Town**City **Tortola**

State

Zip

Country **VG**

Note: Use an additional PTO/AIA/02 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 37 CFR 1.63.



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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/638,722	06/30/2017	Thomas Cona	RCL-005-17	8311

84212 7590 08/09/2017
The Belles Group, P.C.
1608 Walnut Street, Suite 1302
Philadelphia, PA 19103

EXAMINER

TRAN, PHILIP B

ART UNIT	PAPER NUMBER
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2455

NOTIFICATION DATE	DELIVERY MODE
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08/09/2017

ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

uspto@thebellesgroup.com

Office Action Summary	Application No. 15/638,722	Applicant(s) CONA ET AL.	
	Examiner PHILIP B. TRAN	Art Unit 2455	AIA (First Inventor to File) Status No

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

Period for Reply

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

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

Status

- 1) ☒ Responsive to communication(s) filed on 6/30/2017.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.
- 4) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims*

- 5) ☒ Claim(s) 1 is/are pending in the application.
5a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 6) ☐ Claim(s) _____ is/are allowed.
- 7) ☒ Claim(s) 1 is/are rejected.
- 8) ☐ Claim(s) _____ is/are objected to.
- 9) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

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

Application Papers

- 10) ☐ The specification is objected to by the Examiner.
- 11) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

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

Certified copies:

- a) ☐ All b) ☐ Some** c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

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

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☒ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b)
Paper No(s)/Mail Date 6/30/2017.
- 3) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 4) ☐ Other: _____.

DETAILED ACTION

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

Double Patenting

2. 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 obviousness-type 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); and ***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 a nonstatutory double patenting ground provided the conflicting application or patent either is shown to be commonly owned with this application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement.

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

3. Claim 1 of the instant application is rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claim 19 of U.S. Pat. No. 9,143,535 (Cona et al) or over claims 5 and 25 of U.S. Pat. No. 8,045,455 (Agronow et al) in view of Asthana et al (US 2007/0276908 A1). Both Cona et al and Agronow et al teach accessing situation related information of plurality participant devices geographically proximate to the situation in the network, but do not teach a roll call list of participants. However, the concept of forming a roll call list of participants is known in the art as disclosed by Asthana [see Fig. 2 and Paragraphs 0020 & 0035]. It would have been obvious to one of ordinary skill in the art at the time of the invention was made to incorporate the teaching of Asthana into the teaching of Cona and Agronow in order to efficiently share the roll call information related to situation for individuals participating in the situational network. Although the conflicting claims are not identical, they are not patentably distinct from each other because modifications are obvious and they are claiming common subject matter.

Art Unit: 2455

4. A SHORTENED STATUTORY PERIOD FOR RESPONSE TO THIS ACTION IS SET TO EXPIRE THREE MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION. FAILURE TO RESPOND WITHIN THE PERIOD FOR RESPONSE WILL CAUSE THE APPLICATION TO BECOME ABANDONED (35 U.S.C. § 133). EXTENSIONS OF TIME MAY BE OBTAINED UNDER THE PROVISIONS OF 37 CAR 1.136(A).

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Philip Tran whose telephone number is (571) 272-3991. The Group fax phone number is (571) 273-8300. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Emmanuel L. Moise, can be reached on (571) 272-3865.

6. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Philip B Tran/
Primary Examiner, Art Unit 2455
August 03, 2017

Application/Control Number: 15/638,722
Art Unit: 2455

Page 5

Notice of References Cited	Application/Control No. 15/638,722		Applicant(s)/Patent Under Reexamination CONA ET AL.	
	Examiner PHILIP B. TRAN		Art Unit 2455	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-9,143,535 B1	09-2015	Cona; Thomas	G01C21/3415	1/1
*	B	US-8,045,455 B1	10-2011	Agronow; Daniel S.	G01C21/3415	370/229
*	C	US-2007/0276908 A1	11-2007	Asthana; Aseem	H04L12/1822	709/204
	D	US-				
	E	US-				
	F	US-				
	G	US-				
	H	US-				
	I	US-				
	J	US-				
	K	US-				
	L	US-				
	M	US-				

FOREIGN PATENT DOCUMENTS

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

NON-PATENT DOCUMENTS

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

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

Search Notes 	Application/Control No. 15638722	Applicant(s)/Patent Under Reexamination CONA ET AL.
	Examiner PHILIP B TRAN	Art Unit 2455

CPC- SEARCHED		
Symbol	Date	Examiner
H04W 76/007; H04W 4/02; H04W 4/22	8/3/2017	PBT

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
709	219, 223	8/3/2017	PBT

* 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
East and NPL	8/3/2017	PBT

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

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BIB DATA SHEET

CONFIRMATION NO. 8311

SERIAL NUMBER	FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.		
15/638,722	06/30/2017	709	2455	RCL-005-17		
RULE						
APPLICANTS Resource Consortium Limited, Tortola, VIRGIN ISLANDS, BRITISH; INVENTORS Thomas Cona, Athens, GA; Patrick T. Igoe, Philadelphia, PA; Leonid Kravets, Philadelphia, PA; Edward A. Ehrlacher, Philadelphia, PA; ** CONTINUING DATA *****YES,PBT This application is a CON of 14/861,340 09/22/2015 ABN 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 *****NO,PBT ** IF REQUIRED, FOREIGN FILING LICENSE GRANTED ** 07/10/2017						
Foreign Priority claimed ☐ Yes ☒ No 35 USC 119(a-d) conditions met ☐ Yes ☒ No Verified and /PHILIP B TRAN/ Acknowledged Examiner's Signature		☐ Met after Allowance PBT Initials	STATE OR COUNTRY GA	SHEETS DRAWINGS 45	TOTAL CLAIMS 1	INDEPENDENT CLAIMS 1
ADDRESS The Belles Group, P.C. 1608 Walnut Street, Suite 1302 Philadelphia, PA 19103 UNITED STATES						
TITLE METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK						
FILING FEE RECEIVED 1740	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:			☐ All Fees ☐ 1.16 Fees (Filing) ☐ 1.17 Fees (Processing Ext. of time) ☐ 1.18 Fees (Issue) ☐ Other _____ ☐ Credit		

Doc code: IDS

Doc description: Information Disclosure Statement (IDS) Filed

Approved for use through 07/31/2012. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		
	Filing Date		
	First Named Inventor	Thomas Cona	
	Art Unit		
	Examiner Name		
	Attorney Docket Number	RCL-005-17	

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		1998-11-10	NEWMAN	
	2	6091956		2000-07-18	HOLLENBERG	
	3	6112074		2000-08-29	PINDER	
	4	6295001		2001-09-25	BARBER	
	5	6424840		2002-07-23	FITCH et al.	
	6	6542750		2003-04-01	HENDREY et al.	
	7	6563910		2003-05-13	MENARD et al.	
	8	6600928		2003-07-29	AHYA et al.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /P.T./

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

Application Number		
Filing Date		
First Named Inventor	Thomas Cona	
Art Unit		
Examiner Name		
Attorney Docket Number	RCL-005-17	

9	6785681		2004-08-31	KESKAR et al.	
10	6788766		2004-09-07	LOGAN	
11	6947754		2005-09-20	OGASAWARA	
12	6970871		2005-11-29	TERRY	
13	7027055		2006-04-11	ANDERSON et al.	
14	7058385		2006-06-06	LAUPER	
15	7091829		2006-08-15	LEE	
16	7151939		2006-12-19	SHEYNBLAT	
17	7177398		2007-02-13	MEER et al.	
18	7181346		2007-02-20	KLEIST et al.	
19	7194249		2007-03-20	PHILLIPS et al.	

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

Application Number		
Filing Date		
First Named Inventor	Thomas Cona	
Art Unit		
Examiner Name		
Attorney Docket Number	RCL-005-17	

20	7221928		2007-05-22	LAIRD et al.	
21	7231220		2007-06-12	REDDY et al.	
22	7233974		2007-06-19	KAWAHARA et al.	
23	7239871		2007-07-03	SHAMP et al.	
24	7242948		2007-07-10	FLEISCHER et al.	
25	7245925		2007-07-17	ZELLNER	
26	7254607		2007-08-07	HUBBARD et al.	
27	7266558		2007-09-04	GRAY	
28	7283045		2007-10-16	MANZ	
29	7317705		2008-01-08	HANSON	
30	7487112		2009-02-03	BARNES JR. et al.	

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
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Application Number		
Filing Date		
First Named Inventor	Thomas Cona	
Art Unit		
Examiner Name		
Attorney Docket Number	RCL-005-17	

31	7523191		2009-04-21	THOMAS et al.	
32	7532900		2009-05-12	WILSON et al.	
33	7557689		2009-07-07	NABIL et al.	
34	7672281		2010-03-02	HUMPHRIES et al.	
35	7676233		2010-03-09	REHKOPF	
36	7711475		2010-05-04	CONA et al.	
37	7812717		2010-10-12	CONA et al.	
38	7860519		2010-12-28	PORTMAN et al.	
39	8000893		2011-06-16	CONA et al.	
40	8036632		2011-10-11	CONA et al.	
41	8045455		2011-10-25	AGRONOW et al.	

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

Application Number		
Filing Date		
First Named Inventor	Thomas Cona	
Art Unit		
Examiner Name		
Attorney Docket Number	RCL-005-17	

42	8230456	2012-07-24	JACOBY et al.
43	8358609	2013-01-22	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	20010009857		2001-07-26	VANITTINEN	
	2	20020107029		2002-08-08	CAUGHRAN et al.	
	3	20020161838		2002-10-31	PICKOVER et al.	
	4	20020177428		2002-11-28	MENARD et al.	
	5	20020181684		2002-12-05	LOGAN	
	6	20030148774		2003-08-07	NAGHIAN et al.	
	7	20030162557		2003-08-28	SHIDA	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /P.T./

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

Application Number			
Filing Date			
First Named Inventor	Thomas Cona		
Art Unit			
Examiner Name			
Attorney Docket Number	RCL-005-17		

8	20030197615		2003-10-23	ROCHE et al.	
9	20040023666		2004-02-05	MOON et al.	
10	20040039807		2004-02-26	BOVEDA et al.	
11	20050033511		2005-02-10	PECHATNIKOV et al.	
12	20050096840		2005-05-05	SIMSKE	
13	20050132016		2005-06-16	BOONE	
14	20050135428		2005-06-23	HELLGREN	
15	20060211404		2006-09-21	CROMP et al.	
16	20060274743		2006-12-07	YEGIN et al.	
17	20060287872		2006-12-21	SIMRELL	
18	20070021981		2007-01-25	COX	

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

Application Number		
Filing Date		
First Named Inventor	Thomas Cona	
Art Unit		
Examiner Name		
Attorney Docket Number	RCL-005-17	

19	20070032247		2007-02-08	SHAFFER et al.	
20	20070161382		2007-07-12	MELINGER et al.	
21	20070192116		2007-08-16	LOVITT	
22	20070208837		2007-09-06	TIAN et al.	
23	20070209054		2007-09-06	CASSANOVA	
24	20070255785		2007-11-01	HAYASHI et al.	
25	20080046511		2008-02-21	SKRENTA	
26	20080086219		2008-04-10	EVANS et al.	
27	20080139218		2008-06-12	DUAN	
28	20090015467		2009-01-15	KWON et al.	
29	20090024726		2009-01-22	JEON et al.	

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

Application Number		
Filing Date		
First Named Inventor	Thomas Cona	
Art Unit		
Examiner Name		
Attorney Docket Number	RCL-005-17	

30	20090030927	2009-01-29	CASES et al.
31	20090135758	2009-05-28	ALPER et al.
32	20090213001	2009-08-27	APPELMAN et al.
33	20090235305	2009-09-17	PUGEL
34	20090254944	2009-10-08	WATSON et al.

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

FOREIGN PATENT DOCUMENTS

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

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

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T ⁵
	1	SYDELL, LAURA "What are you doing? Twitter Offers a Megaphone", May 21, 2007, http://www.npr.org/templates/story , 1 pg.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /P.T./

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

Application Number	
Filing Date	
First Named Inventor	Thomas Cona
Art Unit	
Examiner Name	
Attorney Docket Number	RCL-005-17

2	Web Pages, Send Word Now; http://www.sendwordnow.com , July 19, 2007, 11 pgs.
3	SCHNEIDERMAN, Ben, PREECE, Jennifer, "911.gov", February 16, 2007, Science Magazine, Vol. 315, pg. 944, www.sciencemag.org , 1 pg.
4	"Notify!/Severe Weather Alerts" Web Pages; www.weather.com , July 12, 2007, 5 pgs.
5	BIEVER, Celeste, "My Space-style websites, perfect for disaster survival", NewScientistTech.com, February 15, 2007, 2 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 date?", www.sfgate.com , July 23, 2005, 3 pgs.
8	"Social Networking, What you need to know", INConnect Spring, 2007, www.ena.com , 8 pgs.
9	HALES, David, et al, "Friends for Free: Self Organizing Artificial Social Networks for Trust and Cooperation", University of Bologna, Italy, August 2005, 20 pgs.
10	Dane County Department of Emergency Management Warning System, October 23, 2006, www.countyofdane.com , 10 pgs.
11	"Share your world with ((Echo))MyPlace and CarbonCloud, July 15, 2007, www.thecarbonproject.com , 4 pgs.
12	HARRISON, Jeff, "Location Based Social Networking for Crisis Management", 2006, www.thecarbonproject.com , 24 pgs.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		15638722 - GAU. 2455
	Filing Date		
	First Named Inventor	Thomas Cona	
	Art Unit		
	Examiner Name		
	Attorney Docket Number	RCL-005-17	

13	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", June 12, 2006, www.aws.com, 6 pgs.
14	PHILLIPS, Brenda D. Ph.D, et al, "Social Science Research Needs: A Focus on Vulnerable Populations, Forecasting and Warnings", February 2006, Hurricane Forecast Socio-economic Workshop, Pomona, CA, 11 pgs.

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

EXAMINER SIGNATURE

Examiner Signature	/Philip Tran/	Date Considered	08/03/2017
--------------------	---------------	-----------------	------------

*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. /P.T./

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

Application Number			
Filing Date			
First Named Inventor	Thomas Cona		
Art Unit			
Examiner Name			
Attorney Docket Number	RCL-005-17		

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☒ See attached certification statement.

Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

None

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	/Joseph Miller/	Date (YYYY-MM-DD)	2017-06-30
Name/Print	Joseph Miller	Registration Number	61748

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 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.

<i>Index of Claims</i> 	Application/Control No. 15638722	Applicant(s)/Patent Under Reexamination CONA ET AL.
	Examiner PHILIP B TRAN	Art Unit 2455

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

☐ Claims renumbered in the same order as presented by applicant		☐ CPA		☐ T.D.		☐ R.1.47			
CLAIM		DATE							
Final	Original	08/03/2017							
	1	✓							



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
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www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/638,722	06/30/2017	Thomas Cona	RCL-005-17	8311

84212 7590 08/23/2017
The Belles Group, P.C.
1608 Walnut Street, Suite 1302
Philadelphia, PA 19103

EXAMINER

TRAN, PHILIP B

ART UNIT	PAPER NUMBER
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2455

NOTIFICATION DATE	DELIVERY MODE
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08/23/2017

ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

uspto@thebellesgroup.com



UNITED STATES PATENT AND TRADEMARK OFFICE

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

In re Application of :
Cona, et al. :
Application No. 15/638,722 : DECISION REFUSING STATUS
Filed: June 30, 2017 : UNDER 37 CFR 1.47(a)
Attorney Docket No. RCL-005-17 :
For: METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK

This is a decision on the petition under 37 CFR 1.47(a) filed July 31, 2017.

The petition under 37 CFR 1.47(a) is **dismissed as moot**.

The above-identified application was filed on June 30, 2017, and was accompanied by a properly executed oath or declaration for inventors Ehrlacher and Igoe. On July 11, 2017, an "Information Notice to Applicant" was mailed informing applicant that either an executed declaration under 37 CFR 1.63 or a substitute statement under 37 CFR 1.64 for inventors Cona and Kravets needs to be filed before expiration of the period set for reply to the Notice of Allowability. On July 31, 2017, applicant filed the instant petition requesting status under 37 CFR 1.47 as to inventor Kravets.

Effective September 16, 2012, for all applications filed, on, or after, September 16, 2012, 35 U.S.C. 118 allows, an assignee person to whom there is an obligation to assign, or a person with a sufficient proprietary interest in the claimed invention to be the applicant. In the normal case, each inventor must still execute an oath or declaration. Where an inventor refuses to sign the declaration, or cannot sign the declaration, a non-inventor applicant may file a Substitute Statement. This applies if an inventor is deceased, legally incapacitated, cannot be found or reached after a diligent effort, or refuses to execute an oath or declaration. In such a case, a petition is not required for an assignee or an obligated assignee to be considered the applicant or to execute the Substitute Statement.

Relative to the instant petition, it is noted that the subject application was filed after September 16, 2012, and that petitioner states that the petitioner is the obligated assignee of the application. Accordingly, petitioner may file a Substitute Statement pursuant to 35 U.S.C. 115(d) and 37 CFR 1.64, in lieu of the declaration under 37 CFR 1.63, along with an Application Data Sheet. As no petition under 37 CFR 1.47 is required, the instant petition under 37 CFR 1.47 is dismissed as moot. Applicant may wish to consider filing a substitute statement under 37 CFR 1.64 on behalf of inventor Kravets and a statement under 37 CFR 3.73(c).

Telephone inquiries concerning this decision should be directed to the undersigned (571) 272-3222.

/Kenya A. McLaughlin/

Kenya A. McLaughlin
Attorney Advisor
Office of Petitions

Office of Petitions: Decision Count Sheet

Mailing Month

8

Application No.

15638722



For US serial numbers: enter number only, no slashes or commas. Ex: 10123456

For PCT: enter "51+single digit of year of filing+last 5 numbers", Ex. for PCT/US05/12345, enter 51512345

Deciding Official:

Thornton-McLaughlin, Kenya

Count (1) - Palm Credit

15638722

Decision:

DISMISSED

FINANCE WORK NEEDED

☐ Select Check Box for YES

Decision Type:

313 - 37 CFR 1.47 FOR FILING APPLICATION WITHOUT C



Notes:

Count (2)

Decision:

n/a

FINANCE WORK NEEDED

☐ Select Check Box for YES

Decision Type:

NONE

Notes:

Count (3)

Decision:

n/a

FINANCE WORK NEEDED

☐ Select Check Box for YES

Decision Type:

NONE

Notes:

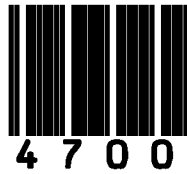
Initials of Approving Official (if required)

If more than 3 decisions, attach
2nd count sheet & mark this box

Printed on: 8/18/2017

Office of Petitions Internal Document - Ver. 5.0

Office of Petitions: Routing Sheet



Application No.

This application is being forwarded to your office for further processing. A decision has been rendered on a petition filed in this application, as indicated below. For details of this decision, please see the document PET.OP.DEC filed on the same date as this document.

☐ **GRANTED**

☒ **DISMISSED**

☐ **DENIED**

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 <u>15/638,722</u> filed on <u>June 30, 2017</u>							
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	Philadelphia	State	PA	Country	US		
Mailing Address (except for a deceased or legally incapacitated inventor):							
2001 Hamilton Avenue							
City	Philadelphia	State	PA	Zip	19130	Country	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.							

[Page 1 of 2]

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.

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/11 or equivalent) naming the entire inventive entity and providing inventor information is attached. See 37 CFR 1.64(b).

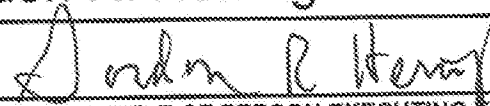
WARNING:

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: **Gordon R. Herring**

Date (Optional):

Signature: 

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:

Resource Consortium Limited

Applicant Name:

Title of Person Executing
This Substitute Statement: **Vice President**

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/14 or equivalent):

City **Greenville** State **SC** Country **US**

Mailing Address of the signer (unless provided in an application data sheet, PTO/AIA/14 or equivalent)

**Craigmuir Chambers
P.O. Box 71, Road Town**

City **Tortola** State _____ Zip _____ Country **VG**

Note: Use an additional PTO/AIA/02 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 37 CFR 1.63.

Electronic Acknowledgement Receipt

EFS ID:	30241082
Application Number:	15638722
International Application Number:	
Confirmation Number:	8311
Title of Invention:	METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK
First Named Inventor/Applicant Name:	Thomas Cona
Customer Number:	84212
Filer:	Joseph Miller III/Robin Diesel
Filer Authorized By:	Joseph Miller III
Attorney Docket Number:	RCL-005-17
Receipt Date:	31-AUG-2017
Filing Date:	30-JUN-2017
Time Stamp:	15:07:11
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Oath or Declaration filed	Substitute_Statement_Kravets _Executed.pdf	1511632	no	2
			a7fd41b33aee2968f430600b562736e7555 76624		

Warnings:

Information:	
Total Files Size (in bytes):	1511632
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. <u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application. <u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course. <u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.	

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re: Patent Application of Thomas Cona et al:

Conf. No.: 8311 : Group Art Unit: 2455
Appln. No.: 15/638,722 : Examiner: Tran, Philip B.
Filing Date: 30 JUNE 2017 : Attorney Docket No.: RCL-005-17
Title: Method and System for Using a Situational Network

Response to Non-Final Office Action

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

Commissioner:

This paper is being timely filed in response to the Office Action dated August 9, 2017 and is being timely filed.

Please amend the above-identified patent application, without prejudice, as follows:

A Listing of the Claims begins on page 2 of this paper.

Remarks begin on page 6 of this paper

Electronic Acknowledgement Receipt

EFS ID:	30901638
Application Number:	15638722
International Application Number:	
Confirmation Number:	8311
Title of Invention:	METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK
First Named Inventor/Applicant Name:	Thomas Cona
Customer Number:	84212
Filer:	Joseph Miller III/Michele Greenberg
Filer Authorized By:	Joseph Miller III
Attorney Docket Number:	RCL-005-17
Receipt Date:	09-NOV-2017
Filing Date:	30-JUN-2017
Time Stamp:	12:45:06
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		RCL-005-17__Response_to_1st _OA_dtd_8-9-17.pdf	62086	yes	7
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	Multipart Description/PDF files in .zip description		
	Document Description	Start	End
	Applicant Arguments/Remarks Made in an Amendment	6	7
	Claims	2	5
	Amendment/Req. Reconsideration-After Non-Final Reject	1	1

Warnings:

Information:

Total Files Size (in bytes):	62086
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New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

REMARKS

Presently, claims 1 – 14 are pending in the application. Independent claim 8 has been added. Dependent claims 2 – 7 and 9 – 14 have been added. Support for the added claims can be found in the specification of the present application, at least, in paragraphs [0164] – [0166], [0050] – [0059], Figures 30 – 33, and the originally filed claim(s). Accordingly, no new matter has been added.

Double Patenting Rejection

The Examiner has rejected claim 1 on the ground of non-statutory obviousness-type double patenting as being unpatentable over claim 19 of U.S. Patent No. 9,143,535 (Cana et al) or over claims 5 and 25 of U.S. Patent No. 8,045,455 (Agronow et al) in view of U.S. Patent Pub. No. 2007/0276908 A1 issued to Asthana et al. Applicant respectfully traverses this rejection.

Specifically, Applicants believe that the invention recited in claim 1 (and newly added independent claim 8) of the present application is “independent and distinct” from the referenced claims in the ’535 Patent and is not rendered obvious by the proposed combination of the ’455 with Asthana. Applicants submit for the record that the references lack several of the claimed features, e.g., the “roll call” and the “roll call query.”

Accordingly, no terminal disclaimer is being filed at this time in the present application. Applicant would consider filing a terminal disclaimer if doing so would expedite prosecution and result in the application being placed in condition for allowance.

As such, when the Examiner agrees to allowable claims, Applicant respectfully requests that the Examiner re-submit the request for a Terminal Disclaimer based on the pending claims at that time, if the Examiner still believes that a Terminal Disclaimer is necessary.

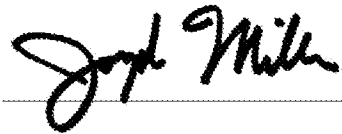
Conclusion

In view of the foregoing remarks, Applicants respectfully submit that the Examiner's rejections have been overcome, and that the application, including claims 1 – 14, is in condition for allowance. Reconsideration and withdrawal of the Examiner's rejection, and an early Notice of Allowance are respectfully requested.

If a fee is due for entry of this response, The Director – United States Patent and Trademark Office is authorized to charge Deposit Account 504766 the fees necessary for entry of this response.

Respectfully submitted,

THE BELLES GROUP, P.C.

A handwritten signature in black ink, appearing to read "Joseph Miller", is written over a horizontal line.

Date: November 9, 2017

By: Joseph Miller, Esq.
Reg. No. 61,748

For: The Belles Group, P.C.
1608 Walnut Street
Suite 1302
Philadelphia, PA 19103
Office: 215-735-9302

Listing of the Claims:

This listing of claims will replace all prior versions of claims in the application.

1. (Previously Presented) 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.

2. (New) The network system of claim 1, wherein the second network connection is further configured to:

receive a request from one of the responsive participant devices to view the roll call list, transmit the roll call list to the responsive participant device, and receive from the responsive participant device an indication of a status of non-responsive participant.

3. (New) The network system of claim 1, wherein the situation includes at least one of an emergency event, a weather phenomenon, or a natural disaster.

4. (New) The network system of claim 1, wherein the situational network is formed by a situation authority.

5. (New) The network system of claim 4, wherein the situation authority corresponds to a social network organization, and each of the participants are members of the corresponding social network.

6. (New) The network system of claim 1, wherein the status response includes a request for assistance and a location of the participant.

7. (New) The network system of claim 1, wherein non-responding devices are reported to an emergency management organization.

8. (New) A system for forming a situational network and recording situation-related information, the system comprising:

a central server configured to form a situational network related to an occurrence of a situation with 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 and aggregate status responses from responsive participant devices into a roll call list;

a network connection configured to receive an indication of an occurrence of a situation, transmit a roll call query to each of the plurality of participant devices soliciting a reply related to a status of the participant, and receive a status response from one or more of the participant devices; and

a database configured to store the status responses and the roll call list.

9. (New) The system of claim 8, wherein the network connection is further configured to:

receive a request from one of the responsive participant devices to view the roll call list, transmit the roll call list to the responsive participant device, and receive from the responsive participant device an indication of a status of non-responsive participant.

10. (New) The system of claim 8, wherein the situation includes at least one of an emergency event, a weather phenomenon, or a natural disaster.

11. (New) The system of claim 8, wherein the situational network is formed by a situation authority.

12. (New) The system of claim 11, wherein the situation authority corresponds to a social network organization, and each of the participants are members of the corresponding social network.

13. (New) The system of claim 8, wherein the status response includes a request for assistance and a location of the participant.

14. (New) The system of claim 8, wherein non-responding devices are reported to an emergency management organization.

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

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 15/638,722	Filing Date 06/30/2017	☐ To be Mailed
---	---	----------------------------------	---------------------------------------

ENTITY: ☒ LARGE ☐ SMALL ☐ MICRO**APPLICATION AS FILED – PART I**

(Column 1)

(Column 2)

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

APPLICATION AS AMENDED – PART II

(Column 1)

(Column 2)

(Column 3)

AMENDMENT	11/09/2017	CLAIMS REMAINING AFTER AMENDMENT	MINUS	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)
	Total (37 CFR 1.16(i))	* 14	Minus	** 20	= 0	X \$80 =	0
	Independent (37 CFR 1.16(h))	* 2	Minus	*** 3	= 0	X \$420 =	0
	☐ Application Size Fee (37 CFR 1.16(s))						
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
TOTAL ADD'L FEE						0	

(Column 1)

(Column 2)

(Column 3)

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

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

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

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

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

LIE
SHEILA D. CHAPMAN

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

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



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
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P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/638,722	06/30/2017	Thomas Cona	RCL-005-17	8311

84212 7590 02/27/2018
The Belles Group, P.C.
1608 Walnut Street, Suite 1302
Philadelphia, PA 19103

EXAMINER

TRAN, PHILIP B

ART UNIT	PAPER NUMBER
----------	--------------

2455

NOTIFICATION DATE	DELIVERY MODE
-------------------	---------------

02/27/2018

ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

uspto@thebellesgroup.com

Office Action Summary	Application No. 15/638,722	Applicant(s) CONA ET AL.	
	Examiner PHILIP B. TRAN	Art Unit 2455	AIA (First Inventor to File) Status No

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

Period for Reply

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

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

Status

- 1) ☒ Responsive to communication(s) filed on 11/09/2017.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on ____.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on ____; the restriction requirement and election have been incorporated into this action.
- 4) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims*

- 5) ☒ Claim(s) 1-14 is/are pending in the application.
5a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 6) ☐ Claim(s) ____ is/are allowed.
- 7) ☒ Claim(s) 1-14 is/are rejected.
- 8) ☐ Claim(s) ____ is/are objected to.
- 9) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

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

Application Papers

- 10) ☐ The specification is objected to by the Examiner.
- 11) ☐ The drawing(s) filed on ____ 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) | 3) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) ☐ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b)
Paper No(s)/Mail Date ____. | 4) ☐ Other: ____. |

Response to Amendment

Notice to Applicant

1. The present application is being examined under the pre-AIA first to invent provisions. This communication is in response to Amendment filed on November 09, 2017. Claim 1 has been previously presented. Claims 2-14 have been newly added. Therefore, claims 1-14 (claims 1 and 8 are being independent claims) are pending for further examination.

Double Patenting

2. 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 obviousness-type 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); and *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 a nonstatutory double patenting ground provided the conflicting application or patent either is shown to be commonly owned with this application, or claims an invention made as a result of activities undertaken within the scope of a joint research agreement.

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

3. Claims 1-14 of the instant application is rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over some claims of U.S. Pat. No. 9,143,535 (Cona et al) or over some claims of U.S. Pat. No. 8,045,455 (Agronow et al) in view of Asthana et al (US 2007/0276908 A1). For example, claim 1 of the instant application is rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claim 19 of U.S. Pat. No. 9,143,535 (Cona et al) or over claims 5 and 25 of U.S. Pat. No. 8,045,455 (Agronow et al) in view of Asthana et al (US 2007/0276908 A1). Both Cona et al and Agronow et al teach accessing situation related information of plurality participant devices geographically proximate to the situation in the network, but do not teach a roll call list of participants. However, the concept of forming a roll call list of participants is known in the art as disclosed by Asthna [see Fig. 2 and Paragraphs 0020 & 0035]. It would have been obvious to one of ordinary skill in the art at the time of the invention was made to

Art Unit: 2455

incorporate the teaching of Asthna into the teaching of Cona and Agronow in order to efficiently share the roll call information related to situation for individuals participating in the situational network. Although the conflicting claims are not identical, they are not patentably distinct from each other because modifications are obvious and they are claiming common subject matter.

Response to Arguments

4. Applicant's arguments have been fully considered but they are not persuasive because of the following reasons:

Applicants believe that the invention recited in claim 1 (and newly added independent claim 8) of the present application is “independent and distinct” from the referenced claims in the '535 Patent and is not rendered obvious by the proposed combination of the '455 with Asthana. Applicants submit for the record that the references lack several of the claimed features, e.g., the “roll call” and the “roll call query” [see applicant's Remarks on Page 6].

The examiner respectfully disagrees. Claims 1-14 of the instant application is rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over some claims of U.S. Pat. No. 9,143,535 (Cona et al) or over some claims of U.S. Pat. No. 8,045,455 (Agronow et al) in view of Asthana et al (US 2007/0276908 A1). For example, claim 1 of the instant application is rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claim 19 of U.S. Pat. No. 9,143,535 (Cona et al) or over claims 5 and 25 of U.S. Pat. No. 8,045,455 (Agronow et al) in view of Asthana et al (US 2007/0276908 A1). Both

Art Unit: 2455

Cona et al and Agronow et al teach accessing situation related information of plurality participant devices geographically proximate to the situation in the network, but do not teach a roll call list of participants. However, the concept of forming a roll call list of participants is known in the art as disclosed by Asthna [see Fig. 2 and Paragraphs 0020 & 0035]. It would have been obvious to one of ordinary skill in the art at the time of the invention was made to incorporate the teaching of Asthna into the teaching of Cona and Agronow in order to efficiently share the roll call information related to situation for individuals participating in the situational network. Although the conflicting claims are not identical, they are not patentably distinct from each other because modifications are obvious and they are claiming common subject matter.

The claimed features such as the “roll call” and the “roll call query” can be found in Asthna [see Fig. 2 and Paragraphs 0020 & 0022 & 0029 & 0032-0033 & 0035]. Noted that, inviting or asking user/participant is equivalent to query. Therefore, a nonstatutory obviousness-type double patenting rejection is proper and a Terminal Disclaimer (TD) is warranted.

5. Accordingly, THIS ACTION IS MADE FINAL. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A SHORTENED STATUTORY PERIOD FOR REPLY TO THIS FINAL ACTION IS SET TO EXPIRE THREE MONTHS FROM THE MAILING DATE OF THIS ACTION. IN THE EVENT A FIRST REPLY IS FILED WITHIN TWO MONTHS OF THE MAILING DATE OF THIS FINAL ACTION AND THE ADVISORY ACTION IS NOT MAILED UNTIL AFTER THE END OF THE THREE-MONTH SHORTENED STATUTORY PERIOD, THEN THE SHORTENED STATUTORY PERIOD WILL EXPIRE ON THE

Art Unit: 2455

DATE THE ADVISORY ACTION IS MAILED, AND ANY EXTENSION FEE PURSUANT TO 37 CAR 1.136(A) WILL BE CALCULATED FROM THE MAILING DATE OF THE ADVISORY ACTION. IN NO EVENT, HOWEVER, WILL THE STATUTORY PERIOD FOR REPLY EXPIRE LATER THAN SIX MONTHS FROM THE MAILING DATE OF THIS FINAL ACTION.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Philip Tran whose telephone number is (571) 272-3991. The Group fax phone number is (571) 273-8300. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Emmanuel L. Moise, can be reached on (571) 272-3865.

7. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Philip B Tran/
Primary Examiner, Art Unit 2455
February 20, 2018

Application/Control Number: 15/638,722
Art Unit: 2455

Page 7

Search Notes 	Application/Control No. 15638722	Applicant(s)/Patent Under Reexamination CONA ET AL.
	Examiner PHILIP B TRAN	Art Unit 2455

CPC- SEARCHED		
Symbol	Date	Examiner
H04W 76/007; H04W 4/02; H04W 4/22	8/3/2017	PBT
Updated Search	2/20/2018	PBT

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
709	219, 223	8/3/2017	PBT
Updated	Search	2/20/2018	PBT

* 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
East and NPL	8/3/2017	PBT
Updated Search	2/20/2018	PBT

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

--	--

<i>Index of Claims</i> 	Application/Control No. 15638722	Applicant(s)/Patent Under Reexamination CONA ET AL.
	Examiner PHILIP B TRAN	Art Unit 2455

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

☐ Claims renumbered in the same order as presented by applicant				☐ CPA		☐ T.D.		☐ R.1.47	
CLAIM		DATE							
Final	Original	08/03/2017	02/20/2018						
	1	✓	✓						
	2		✓						
	3		✓						
	4		✓						
	5		✓						
	6		✓						
	7		✓						
	8		✓						
	9		✓						
	10		✓						
	11		✓						
	12		✓						
	13		✓						
	14		✓						

Doc Code: DIST.E.FILE Document Description: Electronic Terminal Disclaimer - Filed		PTO/SB/26 U.S. Patent and Trademark Office Department of Commerce
Electronic Petition Request	TERMINAL DISCLAIMER TO OBVIATE A DOUBLE PATENTING REJECTION OVER A "PRIOR" PATENT	
Application Number	15638722	
Filing Date	30-Jun-2017	
First Named Inventor	Thomas Cona	
Attorney Docket Number	RCL-005-17	
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	
RESOURCE CONSORTIUM LIMITED	100%	
The owner(s) with percent interest listed above in the instant application hereby disclaims, except as provided below, the terminal part of the statutory term of any patent granted on the instant application which would extend beyond the expiration date of the full statutory term of prior patent number(s) 9143535 8045455 as the term of said prior patent is presently shortened by any terminal disclaimer. The owner hereby agrees that any patent so granted on the instant application shall be enforceable only for and during such period that it and the prior patent are commonly owned. This agreement runs with any patent granted on the instant application and is binding upon the grantee, its successors or assigns. In making the above disclaimer, the owner does not disclaim the terminal part of the term of any patent granted on the instant application that would extend to the expiration date of the full statutory term of the prior patent, "as the term of said prior patent is presently shortened by any terminal disclaimer," in the event that said prior patent later: - expires for failure to pay a maintenance fee; - is held unenforceable; - is found invalid by a court of competent jurisdiction; - is statutorily disclaimed in whole or terminally disclaimed under 37 CFR 1.321; - has all claims canceled by a reexamination certificate; - is reissued; or - is in any manner terminated prior to the expiration of its full statutory term as presently shortened by any terminal disclaimer.		

☒ Terminal disclaimer fee under 37 CFR 1.20(d) is included with Electronic Terminal Disclaimer request.

☐ I certify, in accordance with 37 CFR 1.4(d)(4), that the terminal disclaimer fee under 37 CFR 1.20(d) required for this terminal disclaimer has already been paid in the above-identified application.

Applicant claims the following fee status:

☐ Small Entity

☐ Micro Entity

☒ Regular Undiscounted

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

THIS PORTION MUST BE COMPLETED BY THE SIGNATORY OR SIGNATORIES

I certify, in accordance with 37 CFR 1.4(d)(4) that I am:

☒ An attorney or agent registered to practice before the Patent and Trademark Office who is of record in this application

Registration Number 61748

☐ A sole inventor

☐ A joint inventor; I certify that I am authorized to sign this submission on behalf of all of the inventors as evidenced by the power of attorney in the application

☐ A joint inventor; all of whom are signing this request

Signature	/Joseph Miller/
Name	Joseph Miller

*Statement under 37 CFR 3.73(b) is required if terminal disclaimer is signed by the assignee (owner).
Form PTO/SB/96 may be used for making this certification. See MPEP § 324.

Electronic Patent Application Fee Transmittal

Application Number:	15638722			
Filing Date:	30-Jun-2017			
Title of Invention:	METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK			
First Named Inventor/Applicant Name:	Thomas Cona			
Filer:	Joseph Miller III/Michele Greenberg			
Attorney Docket Number:	RCL-005-17			
Filed as Large Entity				
Filing Fees for Utility under 35 USC 111(a)				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
STATUTORY OR TERMINAL DISCLAIMER	1814	1	160	160
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				160

Doc Code: DISQ.E.FILE

Document Description: Electronic Terminal Disclaimer – Approved

Application No.: 15638722

Filing Date: 30-Jun-2017

Applicant/Patent under Reexamination: Cona

Electronic Terminal Disclaimer filed on May 29, 2018

☒ APPROVED

This patent is subject to a terminal disclaimer

☐ DISAPPROVED

Approved/Disapproved by: Electronic Terminal Disclaimer automatically approved by EFS-Web

U.S. Patent and Trademark Office

Electronic Acknowledgement Receipt

EFS ID:	32741376
Application Number:	15638722
International Application Number:	
Confirmation Number:	8311
Title of Invention:	METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK
First Named Inventor/Applicant Name:	Thomas Cona
Customer Number:	84212
Filer:	Joseph Miller III/Michele Greenberg
Filer Authorized By:	Joseph Miller III
Attorney Docket Number:	RCL-005-17
Receipt Date:	29-MAY-2018
Filing Date:	30-JUN-2017
Time Stamp:	13:27:34
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	\$ 160
RAM confirmation Number	052918INTEFSW13273200
Deposit Account	504766
Authorized User	Michele Greenberg

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

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

37 CFR 1.17 (Patent application and reexamination processing fees)

37 CFR 1.19 (Document supply fees)
 37 CFR 1.20 (Post Issuance fees)
 37 CFR 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Terminal Disclaimer-Filed (Electronic)	eTerminal-Disclaimer.pdf	33577	no	2
			42216115aad6d2905db0a25e9b9ae7bfb3b6fc5		

Warnings:

Information:

2	Fee Worksheet (SB06)	fee-info.pdf	30576	no	2
			117b74eaa250648600cb0229519fd9d6fb6799		

Warnings:

Information:

Total Files Size (in bytes):			64153
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This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re: Patent Application of Thomas Cona et al:

Conf. No.: 8311 : Group Art Unit: 2455
Appln. No.: 15/638,722 : Examiner: Tran, Philip B.
Filing Date: 30 JUNE 2017 : Attorney Docket No.: RCL-005-17
Title: Method and System for Using a Situational Network

Response to Final Office Action

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

Commissioner:

This paper is being timely filed in response to the Office Action dated February 27, 2018 and is being timely filed, by virtue of May 27, 2018 falling on a Sunday and May 28, 2018 falling on a holiday.

Applicants respectfully request consideration of the following amendments and remarks, and respectfully request reconsideration of the subject application.

A Listing of the Claims begins on page 2 of this paper.

Remarks begin on page 6 of this paper

Listing of the Claims:

This listing of claims will replace all prior versions of claims in the application.

1. (Previously Presented) 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.

2. (Previously presented) The network system of claim 1, wherein the second network connection is further configured to:

receive a request from one of the responsive participant devices to view the roll call list, transmit the roll call list to the responsive participant device, and receive from the responsive participant device an indication of a status of non-responsive participant.

3. (Previously presented) The network system of claim 1, wherein the situation includes at least one of an emergency event, a weather phenomenon, or a natural disaster.

4. (Previously presented) The network system of claim 1, wherein the situational network is formed by a situation authority.

5. (Previously presented) The network system of claim 4, wherein the situation authority corresponds to a social network organization, and each of the participants are members of the corresponding social network.

6. (Previously presented) The network system of claim 1, wherein the status response includes a request for assistance and a location of the participant.

7. (Previously presented) The network system of claim 1, wherein non-responding devices are reported to an emergency management organization.

8. (Previously presented) A system for forming a situational network and recording situation-related information, the system comprising:

a central server configured to form a situational network related to an occurrence of a situation with 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 and aggregate status responses from responsive participant devices into a roll call list;

a network connection configured to receive an indication of an occurrence of a situation, transmit a roll call query to each of the plurality of participant devices soliciting a reply related to a status of the participant, and receive a status response from one or more of the participant devices; and

a database configured to store the status responses and the roll call list.

9. (Previously presented) The system of claim 8, wherein the network connection is further configured to:

receive a request from one of the responsive participant devices to view the roll call list, transmit the roll call list to the responsive participant device, and receive from the responsive participant device an indication of a status of non-responsive participant.

10. (Previously presented) The system of claim 8, wherein the situation includes at least one of an emergency event, a weather phenomenon, or a natural disaster.

11. (Previously presented) The system of claim 8, wherein the situational network is formed by a situation authority.

12. (Previously presented) The system of claim 11, wherein the situation authority corresponds to a social network organization, and each of the participants are members of the corresponding social network.

13. (Previously presented) The system of claim 8, wherein the status response includes a request for assistance and a location of the participant.

14. (Previously presented) The system of claim 8, wherein non-responding devices are reported to an emergency management organization.

REMARKS

Presently, claims 1 – 14 are pending in the application.

Double Patenting Rejection

The Examiner has rejected Claims 1-14 on the ground of nonstatutory obviousness-type double patenting as being unpatentable over some claims of U.S. Pat. No. 9, 143,535 ('535 Patent) or over some claims of U.S. Pat. No. 8,045,455 ('455 Patent) in view of Asthana et al (US 2007/0276908A1). For example, claim 1 of the instant application is rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claim 19 of the '535 Patent or over claims 5 and 25 of the '455 Patent in view of Asthana. Applicants respectfully traverse the rejections.

Specifically, Applicants believe that the invention recited in the claims of the present application is "independent and distinct" from the referenced claims in the '535 and '455 Patents and is not rendered obvious by the proposed combination with Asthana. Applicants submit for the record that the references lack several of the claimed features, e.g., the "roll call" and the "roll call query." Moreover, Applicants maintain their objection with the use of the '535 Patent, the '455 Patent, and/or Asthana in a proposed combination.

Although not necessarily agreeing with the Examiner, in order to advance prosecution of the present application, Applicants have submitted herewith a Terminal Disclaimer under 37 C.F.R. §1.321(b), stating that the present application and the '535 and '455 Patents are commonly owned and disclaiming the terminal part of the statutory term of any patent granted on the present application which would extend beyond the full statutory term of the patent granted on the '535 and '455 patents. Reconsideration and withdrawal of the double patenting rejection are respectfully requested.

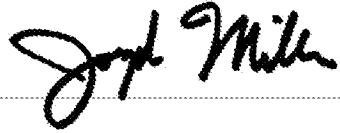
Conclusion

In view of the foregoing remarks, Applicants respectfully submit that the Examiner's rejections have been overcome, and that the application, including claims 1 – 14, is in condition for allowance. Reconsideration and withdrawal of the Examiner's rejection, and an early Notice of Allowance are respectfully requested.

If a fee is due for entry of this response, The Director – United States Patent and Trademark Office is authorized to charge Deposit Account 504766 the fees necessary for entry of this response.

Respectfully submitted,

THE BELLES GROUP, P.C.

A handwritten signature in black ink, appearing to read "Joseph Miller", is written over a horizontal dotted line.

Date: May 29, 2018

By: Joseph Miller, Esq.
Reg. No. 61,748

For: The Belles Group, P.C.
1608 Walnut Street
Suite 1302
Philadelphia, PA 19103
Office: 215-735-9302

Electronic Acknowledgement Receipt

EFS ID:	32741507
Application Number:	15638722
International Application Number:	
Confirmation Number:	8311
Title of Invention:	METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK
First Named Inventor/Applicant Name:	Thomas Cona
Customer Number:	84212
Filer:	Joseph Miller III/Michele Greenberg
Filer Authorized By:	Joseph Miller III
Attorney Docket Number:	RCL-005-17
Receipt Date:	29-MAY-2018
Filing Date:	30-JUN-2017
Time Stamp:	13:30:41
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		RCL-005-17-- Response_to_FOA_dtd_2-27-1 8.pdf	62694	yes	7
			dc60cd5fc97a0b096367c9768c5b0860b61 1e3e6		

	Multipart Description/PDF files in .zip description		
	Document Description	Start	End
	Response After Final Action	1	1
	Claims	2	5
	Applicant Arguments/Remarks Made in an Amendment	6	7

Warnings:

Information:

Total Files Size (in bytes):	62694
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New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 15/638,722	Filing Date 06/30/2017	☐ To be Mailed
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ENTITY: ☒ LARGE ☐ SMALL ☐ MICRO

APPLICATION AS FILED – PART I

(Column 1)

(Column 2)

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

APPLICATION AS AMENDED – PART II

(Column 1)

(Column 2)

(Column 3)

AMENDMENT	05/29/2018	CLAIMS REMAINING AFTER AMENDMENT	Minus	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)
	Total (37 CFR 1.16(i))	* 14	Minus	** 20	= 0	x \$100 =	0
	Independent (37 CFR 1.16(h))	* 2	Minus	***3	= 0	x \$460 =	0
	☐ Application Size Fee (37 CFR 1.16(s))						
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))						
TOTAL ADD'L FEE						0	

(Column 1)

(Column 2)

(Column 3)

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

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

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

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

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

LIE
JEFFERY L. OLSEN

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

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



UNITED STATES PATENT AND TRADEMARK OFFICE

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

NOTICE OF ALLOWANCE AND FEE(S) DUE

84212 7590 06/29/2018
The Belles Group, P.C.
337 S. 18th Street
Philadelphia, PA 19103

EXAMINER

TRAN, PHILIP B

ART UNIT

PAPER NUMBER

2455

DATE MAILED: 06/29/2018

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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15/638,722

06/30/2017

Thomas Cona

RCL-005-17

8311

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	\$1000	\$0	\$0	\$1000	10/01/2018

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the ENTITY STATUS shown above. If the ENTITY STATUS is shown as SMALL or MICRO, verify whether entitlement to that entity status still applies.

If the ENTITY STATUS is the same as shown above, pay the TOTAL FEE(S) DUE shown above.

If the ENTITY STATUS is changed from that shown above, on PART B - FEE(S) TRANSMITTAL, complete section number 5 titled "Change in Entity Status (from status indicated above)".

For purposes of this notice, small entity fees are 1/2 the amount of undiscounted fees, and micro entity fees are 1/2 the amount of small entity fees.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Maintenance fees are due in utility patents issuing on applications filed on or after Dec. 12, 1980. It is patentee's responsibility to ensure timely payment of maintenance fees when due. More information is available at www.uspto.gov/PatentMaintenanceFees.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail** **Mail Stop ISSUE FEE**
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

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.

84212 7590 06/29/2018
The Belles Group, P.C.
337 S. 18th Street
Philadelphia, PA 19103

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/638,722	06/30/2017	Thomas Cona	RCL-005-17	8311

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	\$1000	\$0	\$0	\$1000	10/01/2018

EXAMINER	ART UNIT	CLASS-SUBCLASS
TRAN, PHILIP B	2455	709-219000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

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

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

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

4a. The following fee(s) are submitted:

- ☐ Issue Fee
- ☐ Publication Fee (No small entity discount permitted)
- ☐ Advance Order - # of Copies _____

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

- ☐ A check is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☐ The director is hereby authorized to charge the required fee(s), any deficiency, or credits any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

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

- ☐ Applicant certifying micro entity status. See 37 CFR 1.29
- ☐ Applicant asserting small entity status. See 37 CFR 1.27
- ☐ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature _____

Date _____

Typed or printed name _____

Registration No. _____



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/638,722	06/30/2017	Thomas Cona	RCL-005-17	8311
84212	7590	06/29/2018	EXAMINER	
The Belles Group, P.C. 337 S. 18th Street Philadelphia, PA 19103			TRAN, PHILIP B	
			ART UNIT	PAPER NUMBER
			2455	
DATE MAILED: 06/29/2018				

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (Applications filed on or after May 29, 2000)

The Office has discontinued providing a Patent Term Adjustment (PTA) calculation with the Notice of Allowance.

Section 1(h)(2) of the AIA Technical Corrections Act amended 35 U.S.C. 154(b)(3)(B)(i) to eliminate the requirement that the Office provide a patent term adjustment determination with the notice of allowance. See Revisions to Patent Term Adjustment, 78 Fed. Reg. 19416, 19417 (Apr. 1, 2013). Therefore, the Office is no longer providing an initial patent term adjustment determination with the notice of allowance. The Office will continue to provide a patent term adjustment determination with the Issue Notification Letter that is mailed to applicant approximately three weeks prior to the issue date of the patent, and will include the patent term adjustment on the patent. Any request for reconsideration of the patent term adjustment determination (or reinstatement of patent term adjustment) should follow the process outlined in 37 CFR 1.705.

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

OMB Clearance and PRA Burden Statement for PTOL-85 Part B

The Paperwork Reduction Act (PRA) of 1995 requires Federal agencies to obtain Office of Management and Budget approval before requesting most types of information from the public. When OMB approves an agency request to collect information from the public, OMB (i) provides a valid OMB Control Number and expiration date for the agency to display on the instrument that will be used to collect the information and (ii) requires the agency to inform the public about the OMB Control Number's legal significance in accordance with 5 CFR 1320.5(b).

The information collected by PTOL-85 Part B is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Privacy Act Statement

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

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

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
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9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Notice of Allowability	Application No. 15/638,722	Applicant(s) CONA ET AL.	
	Examiner PHILIP B. TRAN	Art Unit 2455	AIA (First Inventor to File) Status No

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

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 5/29/2018.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

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

3. ☒ The allowed claim(s) is/are 1-14. 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 _____.	
---	--

/PHILIP B TRAN/ Primary Examiner, Art Unit 2455	
--	--

ALLOWABLE SUBJECT MATTER

1. Terminal disclaimer has been filed and approved on 05/29/2018.

2. Claims 1-14 are allowable over the prior art of record.

3. The following is an examiner's statements of reason for allowance:

The examiner has found that the prior art of record does not appear to teach or suggest or render obvious the claimed limitations in combination with the specific added limitations as recited in independent claims and subsequent dependent claims. The prior art of record discloses plurality participant devices geographically proximate to the situation network and roll call list of participants but fails to teach or suggest a system for accessing situation related information or forming a situational network and recording situation-related information comprising forming a situational network related to the occurrence of the situation with a plurality of participant devices determined to be geographically proximate to the situation wherein each of the participant devices corresponding to a participant in the situational network, presenting a roll call query to each of the plurality of participant devices soliciting a reply related to a status of the participant, receiving a status response from one or more of the participants, and aggregating the status responses from responsive participants into a roll call list.

Art Unit: 2455

4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Philip B. Tran whose telephone number is (571) 272-3991. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

6. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Philip B Tran/
Primary Examiner, Art Unit 2455
June 10, 2018

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Displaying results 1-4 of 4 for (geographical proximity participants status call list)

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Latency-driven distribution: infrastructure needs of participatory entertainment applications

F. Safaei | P. Boustead | C. D. Nguyen | J. Brun | M. Dowlatshahi

IEEE Communications Magazine

Year: 2005 | Volume: 43 | Issue: 5

☐ **Latency-driven distribution: infrastructure needs of participatory entertainment applications**

F. Safaei; P. Boustead; C. D. Nguyen; J. Brun; M. Dowlatshahi

IEEE Communications Magazine

Year: 2005, Volume: 43, Issue: 5

Pages: 106 - 112

Cited by: Papers (19) | Patents (1)

IEEE Journals & Magazines

Abstract

(148 Kb)

Mobile location-based voice over internet protocol group call service

Klaus Schwarzkopf | Jürgen Müller | Michael Massoth

2011 IEEE EUROCON - International Conference on Computer as a Tool

Year: 2011

☐ **Mobile location-based voice over internet protocol group call service**

Klaus Schwarzkopf; Jürgen Müller; Michael Massoth

2011 IEEE EUROCON - International Conference on Computer as a Tool

Year: 2011

Pages: 1 - 4

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IEEE Conferences

Abstract

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Managing long term communications: conversation and contact management

S. Whittaker | Q. Jones | L. Terveen

Proceedings of the 35th Annual Hawaii International Conference on System

Sciences

Year: 2002

☐ **Managing long term communications: conversation and contact management**

S. Whittaker; Q. Jones; L. Terveen

Proceedings of the 35th Annual Hawaii International Conference on System

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Pages: 1070 - 1079

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Year: 2013

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Marcell Feher; Bertalan Forstner

2013 3rd Eastern European Regional Conference on the Engineering of
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06/11/2018

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re: Patent Application of Thomas Cona et al:

Conf. No.: 8311 : Group Art Unit: 2455
Appln. No.: 15/638,722 : Examiner: Tran, Philip B.
Filing Date: 30 JUNE 2017 : Attorney Docket No.: RCL-005-17
Title: Method and System for Using a Situational Network

Response to Final Office Action

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

Commissioner:

This paper is being timely filed in response to the Office Action dated February 27, 2018 and is being timely filed, by virtue of May 27, 2018 falling on a Sunday and May 28, 2018 falling on a holiday.

Applicants respectfully request consideration of the following amendments and remarks, and respectfully request reconsideration of the subject application.

A Listing of the Claims begins on page 2 of this paper.

Remarks begin on page 6 of this paper

Searched for (+participants +proximity +status) [new search] [edit/save query]

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Result 1 – 2 of 2

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- 1 [Estimating self-assessed personality from body movements and proximity in crowded mingling scenarios](#)



[Laura Cabrera-Quiroz](#), [Ekin Gedik](#), [Hayley Hung](#)

October 2016 ICMI 2016: Proceedings of the 18th ACM International Conference on Multimodal Interaction

Publisher: ACM

Bibliometrics: Citation Count: 0

Downloads (6 Weeks): 2, Downloads (12 Months): 42, Downloads (Overall): 79

Full text available: PDF

This paper focuses on the automatic classification of self-assessed personality traits from the HEXACO inventory during crowded mingle scenarios. We exploit acceleration and proximity data from a wearable device hung around the neck. Unlike most state-of-the-art studies, addressing personality estimation during mingle scenarios provides a challenging social context as people ...

Keywords: proximity, speaking turn, personality, Wearable acceleration

[\[result highlights\]](#)

- 2 [Lines vs. no lines: do lines connecting related information improve performance on ambulance dispatch tasks?](#)



[Jared Hayes](#), [Samuel Moxie](#), [Antoni Moore](#), [B. L. William Wong](#)

July 2003 CHINZ '03: Proceedings of the 4th Annual Conference of the ACM Special Interest Group on Computer-Human Interaction

Publisher: ACM

Bibliometrics: Citation Count: 0

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Display design can play a vital role in the performance of operators controlling complex systems. This paper presents a follow-up study to an earlier one which found that when completing an ambulance dispatch task, participants using a display that had good task-to-display compatibility performed better on more complex dispatch tasks ...

Keywords: proximity compatibility principle, display design, task-to-display compatibility, ambulance dispatch management, critical decision method

[\[result highlights\]](#)

Result 1 – 2 of 2

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	Examiner PHILIP B TRAN	Art Unit 2455

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H04W 76/007; H04W 4/02; H04W 4/22	8/3/2017	PBT
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Updated Search	6/10/2018	PBT

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Symbol	Date	Examiner

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Class	Subclass	Date	Examiner
709	219, 223	8/3/2017	PBT
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EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
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L4	0	(geographical near3 proximat\$7) same (participants users clients) same (roll near2 call)	US-PGPUB; USPAT; EPO	OR	OFF	2018/06/10 23:29
L5	3	(geographical near3 proximat\$7) same (participants users clients) same (list\$7)	US-PGPUB; USPAT; EPO	OR	OFF	2018/06/10 23:30
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L7	56	(geographical near3 (proximat\$7 proximity)) same (participants users clients) same (status)	US-PGPUB; USPAT; EPO	OR	OFF	2018/06/10 23:32
L8	89	(geographical near3 (proximat\$7 proximity)) same (participants users clients) same (list\$7)	US-PGPUB; USPAT; EPO	OR	OFF	2018/06/10 23:33
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L12	85	(proximat\$7 proximity) same (participants users clients) same (status) same (emergency)	US-PGPUB; USPAT; EPO	OR	OFF	2018/06/10 23:36
L13	17	(proximat\$7 proximity) same (participants users clients) same (status) same (emergency) same list\$7	US-PGPUB; USPAT; EPO	OR	OFF	2018/06/10 23:37
L14	1	(proximat\$7 proximity) same (participants users clients) same (status) same (emergency) same query	US-PGPUB; USPAT; EPO	OR	OFF	2018/06/10 23:38
L15	55	(proximat\$7 proximity) same (participants users clients) same (status) same (list\$7) same query	US-PGPUB; USPAT; EPO	OR	OFF	2018/06/10 23:38
L16	142	(proximat\$7 proximity) same (participants users clients) same (status) same (emergency weather)	US-PGPUB; USPAT; EPO	OR	OFF	2018/06/10 23:39
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L21	24	(leonid near1 kravets).in.	US-PGPUB; USPAT;	OR	OFF	2018/06/10 23:44

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L22	27	(edward near1 ehrlacher).in.	US-PGPUB; USPAT; EPO	OR	OFF	2018/06/10 23:44
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L32	22	16 and (@ad<"20070202" @rlad<"20070202")	US-PGPUB; USPAT; EPO	OR	OFF	2018/06/10 23:46
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L34	0	18 and (@ad<"20070202" @rlad<"20070202")	US-PGPUB; USPAT; EPO	OR	OFF	2018/06/10 23:47
L35	0	19 and (@ad<"20070202" @rlad<"20070202")	US-PGPUB; USPAT; EPO	OR	OFF	2018/06/10 23:47
L36	87	20 and (@ad<"20070202" @rlad<"20070202")	US-	OR	OFF	2018/06/10

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L38	6	22 and (@ad<"20070202" @rlad<"20070202")	US- PGPUB; USPAT; EPO	OR	OFF	2018/06/10 23:47

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H04W		76	/	007	I	2013-01-01
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		14	
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(Assistant Examiner)	(Date)	14	
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Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/638,722	06/30/2017	Thomas Cona	RCL-005-17	8311

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	\$1000	\$0	\$0	\$1000	10/01/2018

EXAMINER	ART UNIT	CLASS-SUBCLASS
TRAN, PHILIP B	2455	709-219000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

- (1) The names of up to 3 registered patent attorneys or agents OR, alternatively,
- (2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 The Belles Group, P.C.

2 _____

3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

RESOURCE CONSORTIUM LIMITED

United States of America

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

4a. The following fee(s) are submitted:

- ☒ Issue Fee
- ☐ Publication Fee (No small entity discount permitted)
- ☐ Advance Order - # of Copies _____

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

- ☐ A check is enclosed.
- ☒ Payment by credit card.
- ☒ The director is hereby authorized to charge the required fee(s), any deficiency, or credits any overpayment, to Deposit Account Number 504766 (enclose an extra copy of this form).

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

- ☐ Applicant certifying micro entity status. See 37 CFR 1.29
- ☐ Applicant asserting small entity status. See 37 CFR 1.27
- ☐ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature /Joseph Miller/

Date September 28, 2018

Typed or printed name Joseph Miller

Registration No. 61748

Electronic Patent Application Fee Transmittal

Application Number:	15638722			
Filing Date:	30-Jun-2017			
Title of Invention:	METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK			
First Named Inventor/Applicant Name:	Thomas Cona			
Filer:	Joseph Miller III/Michele Greenberg			
Attorney Docket Number:	RCL-005-17			
Filed as Large Entity				
Filing Fees for Utility under 35 USC 111(a)				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
UTILITY APPL ISSUE FEE	1501	1	1000	1000

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				1000

Electronic Acknowledgement Receipt

EFS ID:	33867534
Application Number:	15638722
International Application Number:	
Confirmation Number:	8311
Title of Invention:	METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK
First Named Inventor/Applicant Name:	Thomas Cona
Customer Number:	84212
Filer:	Joseph Miller III/Michele Greenberg
Filer Authorized By:	Joseph Miller III
Attorney Docket Number:	RCL-005-17
Receipt Date:	28-SEP-2018
Filing Date:	30-JUN-2017
Time Stamp:	16:32:48
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	\$ 1000
RAM confirmation Number	100118INTEFSW16340100
Deposit Account	504766
Authorized User	Michele Greenberg

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

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

37 CFR 1.17 (Patent application and reexamination processing fees)

37 CFR 1.19 (Document supply fees)
37 CFR 1.20 (Post Issuance fees)
37 CFR 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Issue Fee Payment (PTO-85B)	RCL-005-17_IssueFeeTransmittal.pdf	158806	no	1
			b900f2b143a1789d69994b922197ba4bbd5cd77d		

Warnings:

Information:

2	Fee Worksheet (SB06)	fee-info.pdf	30462	no	2
			9c5d3501b9153783566ad81a103a26a03a6db4d1		

Warnings:

Information:

Total Files Size (in bytes):	189268
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This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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



APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
15/638,722	10/30/2018	10117290	RCL-005-17	8311

84212 7590 10/10/2018
The Belles Group, P.C.
337 S. 18th Street
Philadelphia, PA 19103

ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment is 0 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Application Assistance Unit (AAU) of the Office of Data Management (ODM) at (571)-272-4200.

APPLICANT(s) (Please see PAIR WEB site <http://pair.uspto.gov> for additional applicants):

Thomas Cona, Athens, GA;
Resource Consortium Limited, Tortola, VIRGIN ISLANDS, BRITISH;
Patrick T. Igoe, Philadelphia, PA;
Leonid Kravets, Philadelphia, PA;
Edward A. Ehrlacher, Philadelphia, PA;

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.

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	15/638,722		
Filing Date	June 30, 2017		
First Named Inventor	Thomas Cona		
Title	METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK		
Art Unit	2455		
Examiner Name	Philip B. Tran		
Attorney Docket Number	000137-0005-117		
SIGNATURE of Applicant or Patent Practitioner			
Signature	/Maxim A. Rapoport/	Date	October 16, 2018
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.			
☒ *Total of <u>1</u> forms are submitted.			

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 TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereby revoke all previous powers of attorney given in the above-identified patent application.

☒ I hereby appoint 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 equivalent):

01473

OR

☐ I hereby appoint Practitioner(s) named below 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 equivalent):

Name Registration	Number	Name Registration	Number

Please recognize or change the correspondence address for the above-identified patent to:

☒ The address associated with the above-mentioned Customer Number:

OR

☐ The address associated with Customer Number:

OR

☐ Firm or
Individual Name

Address

City

State

Zip

Country

Telephone

Email

SIGNATURE of Applicant for Patent

Signature

Date

Name

Telephone

Title and Company

NOTE: This form must be signed by the applicant or applicant's representative in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications. Submit multiple forms if more than one signature is required, see below.

☒

Total of 1 forms are submitted.

Electronic Acknowledgement Receipt

EFS ID:	34028331
Application Number:	15638722
International Application Number:	
Confirmation Number:	8311
Title of Invention:	METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK
First Named Inventor/Applicant Name:	Thomas Cona
Customer Number:	84212
Filer:	Maxim Rapoport/Pamela Harrison
Filer Authorized By:	Maxim Rapoport
Attorney Docket Number:	RCL-005-17
Receipt Date:	16-OCT-2018
Filing Date:	30-JUN-2017
Time Stamp:	17:57:41
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Power of Attorney	000137-0005-117_POA.pdf	230602	no	2
			bc53f145771bbc1c0fcaf2bc6f106d17b4edf131		

Warnings:

Information:	
Total Files Size (in bytes):	230602
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. <u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application. <u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course. <u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.	



UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
15/638,722	06/30/2017	Thomas Cona	000137-0005-117

CONFIRMATION NO. 8311

POA ACCEPTANCE LETTER



OC000000103238721

1473
Haley Guiliano LLP
75 Broad Street
Suite 1000
NEW YORK, NY 10004

Date Mailed: 10/23/2018

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 10/16/2018.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

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

/qtran/



UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
15/638,722	06/30/2017	Thomas Cona	RCL-005-17

84212
The Belles Group, P.C.
337 S. 18th Street
Philadelphia, PA 19103

CONFIRMATION NO. 8311
POWER OF ATTORNEY NOTICE



Date Mailed: 10/23/2018

NOTICE REGARDING CHANGE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 10/16/2018.

- The Power of Attorney to you in this application has been revoked by the applicant. Future correspondence will be mailed to the new address of record(37 CFR 1.33).

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

/qtran/

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	15/638,722 (Conf. No. 8311)
Filing Date	June 30, 2017
First Named Inventor	Thomas Cona
Title	METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK
Art Unit	2455
Examiner Name	Philip B. Tran
Attorney Docket Number	000137-0005-117

SIGNATURE of Applicant or Patent Practitioner

Signature	/Maxim A. Rapoport/	Date	December 7, 2022
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.



*Total of 1 forms are submitted.

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 PT /AIA/82A.)

- ☒ I hereby appoint the Patent Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the application referenced in the attached transmittal letter (form PTO/AIA/82A) or identified above: 1473
- OR**
- ☐ I hereby appoint Practitioner(s) named in the attached list (form PT /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 PT /AIA/82A) or identified above. (Note: Complete form PT /AIA/82C.)

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

☒ The address associated with the above-mentioned Customer Number

OR

☐ The address associated with Customer Number:

OR

Firm or Individual Name					
Address					
City		State		Zip	
Country					
Telephone		Email			

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

SITNET LLC

- ☐ Inventor or Joint Inventor (title not required below)
- ☐ Legal Representative of a Deceased or Legally Incapacitated Inventor (title not required below)
- ☒ Assignee or Person to Whom the Inventor is Under an Obligation to Assign (provide signer's title if applicant is a juristic entity)
- ☐ Person Who Otherwise Shows Sufficient Proprietary Interest (e.g., a petition under 37 CFR 1.46(b)(2) was granted in the application or is concurrently being filed with this document) (provide signer's title if applicant is a juristic entity)

SIGNATURE of Applicant for Patent

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

Signature		Date	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.

☒ Total of 1 forms are submitted.

Electronic Acknowledgement Receipt

EFS ID:	47155942
Application Number:	15638722
International Application Number:	
Confirmation Number:	8311
Title of Invention:	METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORK
First Named Inventor/Applicant Name:	Thomas Cona
Customer Number:	1473
Filer:	Maxim Rapoport/Shari Jackson
Filer Authorized By:	Maxim Rapoport
Attorney Docket Number:	000137-0005-117
Receipt Date:	07-DEC-2022
Filing Date:	30-JUN-2017
Time Stamp:	12:18:55
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Assignee showing of ownership per 37 CFR 3.73	000137-0005-117-373.pdf	1414656	no	3
			5b4cb1b95ee77bbbe0776a2ca0841e4a388fa130		

Warnings:

Information:					
2	Power of Attorney	000137-0005-117-POA.pdf	163418	no	2
			f1d60b127dd74fe203cb73b56b7f3d7e13f41d4a		
Warnings:					
Information:					
Total Files Size (in bytes):			1578074		
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. <u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application. <u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course. <u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.					

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

STATEMENT UNDER 37 CFR 3.73(c)Applicant/Patent Owner: SitNet LLCApplication No./Patent No.: 10,117,290 Filed/Issue Date: October 30, 2018Titled: METHOD AND SYSTEM FOR USING A SITUATIONAL NETWORKSitNet LLC, a corporation

(Name of Assignee)

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

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

1. ☒ The assignee of the entire right, title, and interest.
2. ☐ An assignee of less than the entire right, title, and interest (check applicable box):
- ☐ The extent (by percentage) of its ownership interest is _____%. Additional Statement(s) by the owners holding the balance of the interest must be submitted to account for 100% of the ownership interest.
- ☐ There are unspecified percentages of ownership. The other parties, including inventors, who together own the entire right, title and interest are:

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

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

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

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

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

- A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
- B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: Thomas Cona et al. To: Resource Consortium Limited

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

Reel 042873, Frame 0237, or for which a copy thereof is attached.2. From: Resource Consortium Limited To: Resource Consortium Limited, LLC

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

Reel 050091, Frame 0297, or for which a copy thereof is attached.

[Page 1 of 2]

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

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

STATEMENT UNDER 37 CFR 3.73(c)

3. From: Resource Consortium Limited, LLC To: SitNet, LLC

The document was recorded in the United States Patent and Trademark Office at
Reel 061630, Frame 0693, or for which a copy thereof is attached.

4. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

5. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

6. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

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

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

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

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

/Maxim Rapoport/

December 7, 2022

Signature

Date

Maxim Rapoport

67,675

Printed or Typed Name

Title or Registration Number

Privacy Act Statement

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

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

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



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United States Patent and Trademark Office
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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
15/638,722	06/30/2017	Thomas Cona	000137-0005-117

CONFIRMATION NO. 8311

POA ACCEPTANCE LETTER



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

Date Mailed: 12/14/2022

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 12/07/2022.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

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

/s/torres/



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CONFIRMATION NO. 8311

POWER OF ATTORNEY NOTICE



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

Date Mailed: 12/14/2022

NOTICE REGARDING CHANGE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 12/07/2022.

- The Power of Attorney to you in this application has been revoked by the applicant. Future correspondence will be mailed to the new address of record(37 CFR 1.33).

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

/s/torres/