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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	MJAKP016C3
	Application Number	
Title of Invention	VALIDATING AUTOMATIC NUMBER IDENTIFICATION DATA	

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
	Bjorn	Markus	Jakobsson	

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

City	State/Province	Country of Residence
Portola Valley	CA	US

Mailing Address of Inventor:

Address 1	118 Ramona Rd.
Address 2	

City	State/Province	Postal Code	Country
Portola Valley	CA	94028	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	21912		
Email Address		Add Email	Remove Email

Application Information:

Title of the Invention	VALIDATING AUTOMATIC NUMBER IDENTIFICATION DATA		
Attorney Docket Number	MJAKP016C3	**Small Entity Status Claimed**	☒
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)	16	**Suggested Figure for Publication (if any)**	

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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	21912		

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	16785423	2020-02-07

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	Application Number	
Title of Invention	VALIDATING AUTOMATIC NUMBER IDENTIFICATION DATA	

Prior Application Status	Patented	Remove

Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
16785423	Continuation of	16180373	2018-11-05	10674009	2020-06-02

Prior Application Status	Patented	Remove

Application Number	Continuity Type	Prior Application Number	Filing Date (YYYY-MM-DD)	Patent Number	Issue Date (YYYY-MM-DD)
16180373	Continuation of	14535064	2014-11-06	10694029	2020-06-23

Prior Application Status	Expired	Remove

Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)
14535064	Claims benefit of provisional	61901322	2013-11-07

Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the **Add** button. Add

Foreign Priority Information:

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

Remove

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

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

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

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

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Title of Invention	VALIDATING AUTOMATIC NUMBER IDENTIFICATION DATA	

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.

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	Application Number	
Title of Invention	VALIDATING AUTOMATIC NUMBER IDENTIFICATION DATA	

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	RightQuestion, LLC		
Mailing Address Information For Applicant:			
Address 1	118 Ramona Rd.		
Address 2			
City	Portola Valley	**State/Province**	CA
Country	US	Postal Code	94028
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.

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Assignee 1

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

Remove

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

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

Mailing Address Information For Assignee including Non-Applicant Assignee:

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

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

Signature:

Remove

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

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

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

Signature	/Yeu-Ting George Cheng/			Date (YYYY-MM-DD)	2021-04-12
First Name	Yeu-Ting George	Last Name	Cheng	Registration Number	69408

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

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	MJAKP016C3
	Application Number	
Title of Invention	VALIDATING AUTOMATIC NUMBER IDENTIFICATION DATA	

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

Privacy Act Statement

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

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

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

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

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

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

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

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

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

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

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

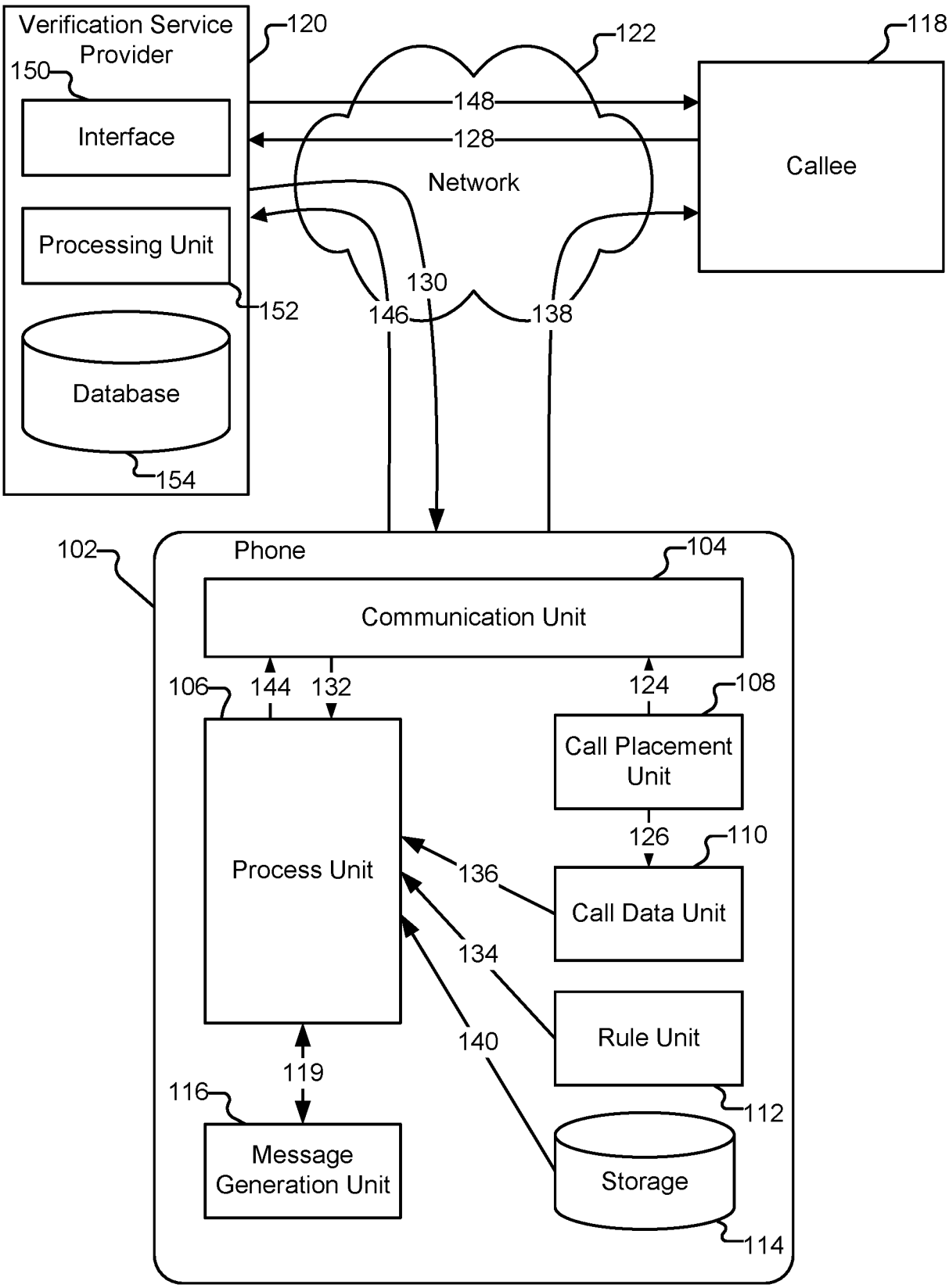

Verification Service Provider
120
150
Interface
Processing Unit
152
Database
154
122
118
148
128
Network
Callee
130
146
138
102
Phone
104
Communication Unit
106
144
132
124
108
Call Placement Unit
126
110
Process Unit
136
Call Data Unit
134
Rule Unit
140
119
116
112
Message Generation Unit
Storage
114

FIG. 1

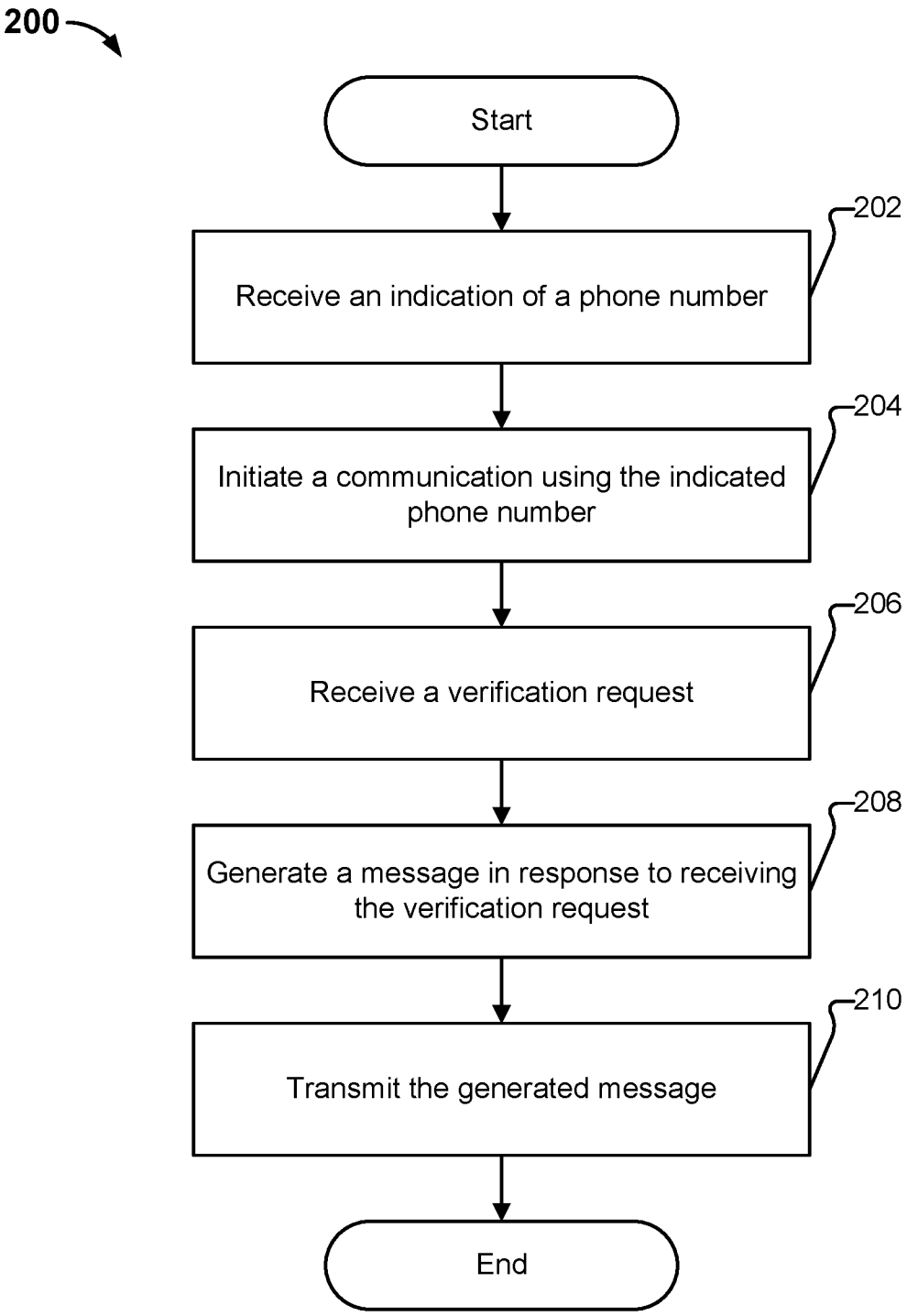

200
Start
202
Receive an indication of a phone number
204
Initiate a communication using the indicated phone number
206
Receive a verification request
208
Generate a message in response to receiving the verification request
210
Transmit the generated message
End

FIG. 2A

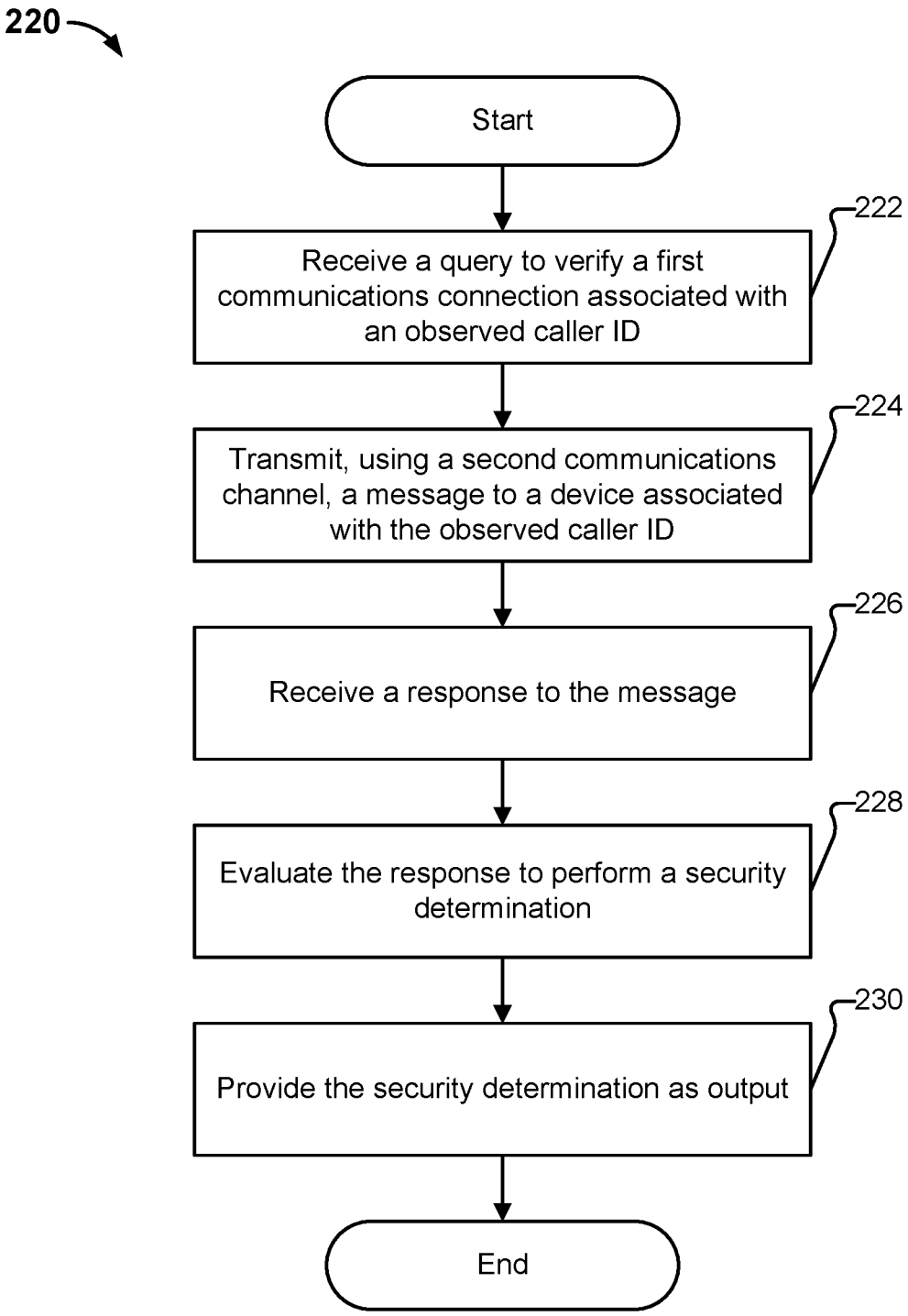

220
Start
222
Receive a query to verify a first communications connection associated with an observed caller ID
224
Transmit, using a second communications channel, a message to a device associated with the observed caller ID
226
Receive a response to the message
228
Evaluate the response to perform a security determination
230
Provide the security determination as output
End

FIG. 2B

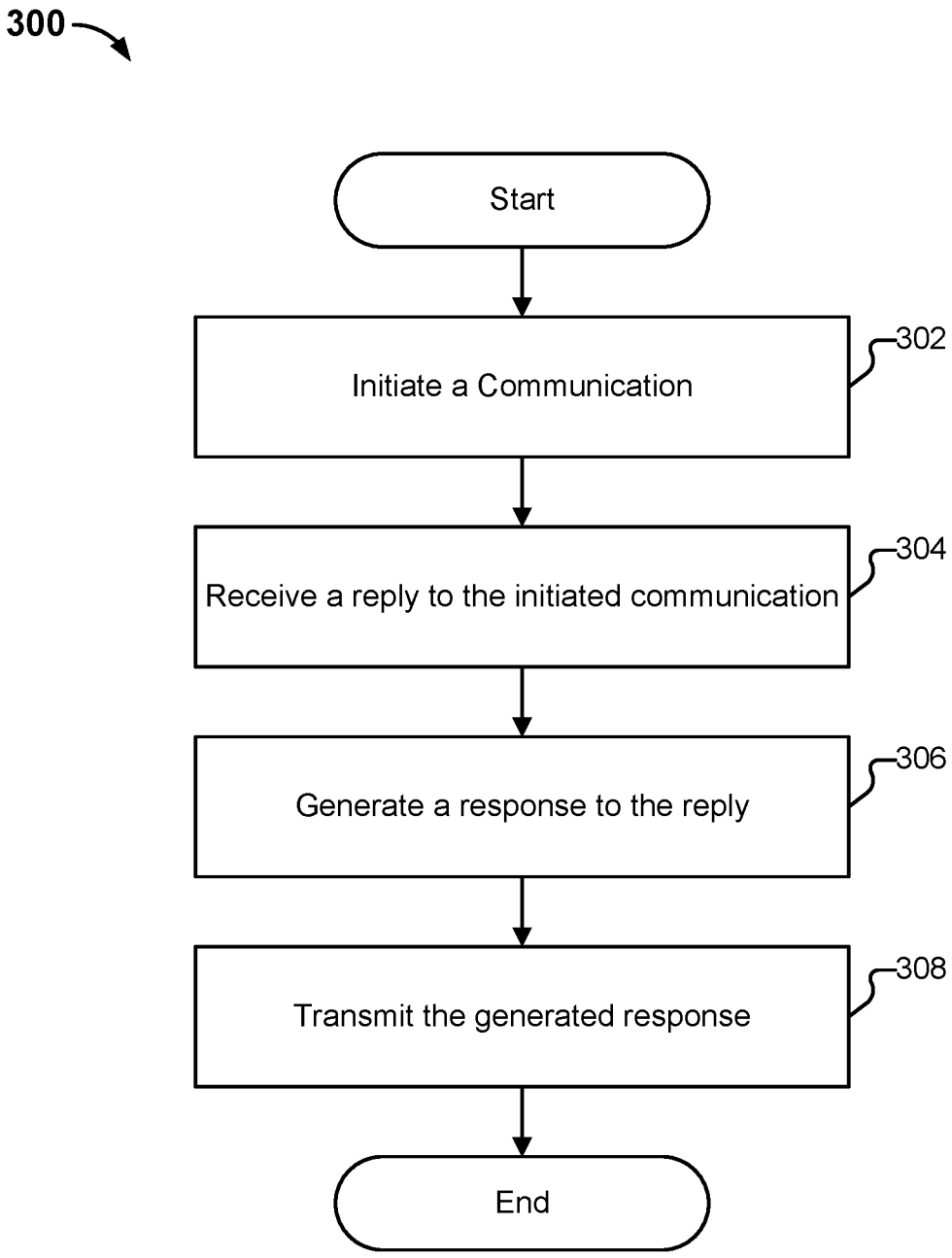

300
Start
Initiate a Communication
302
Receive a reply to the initiated communication
304
Generate a response to the reply
306
Transmit the generated response
308
End

FIG. 3A

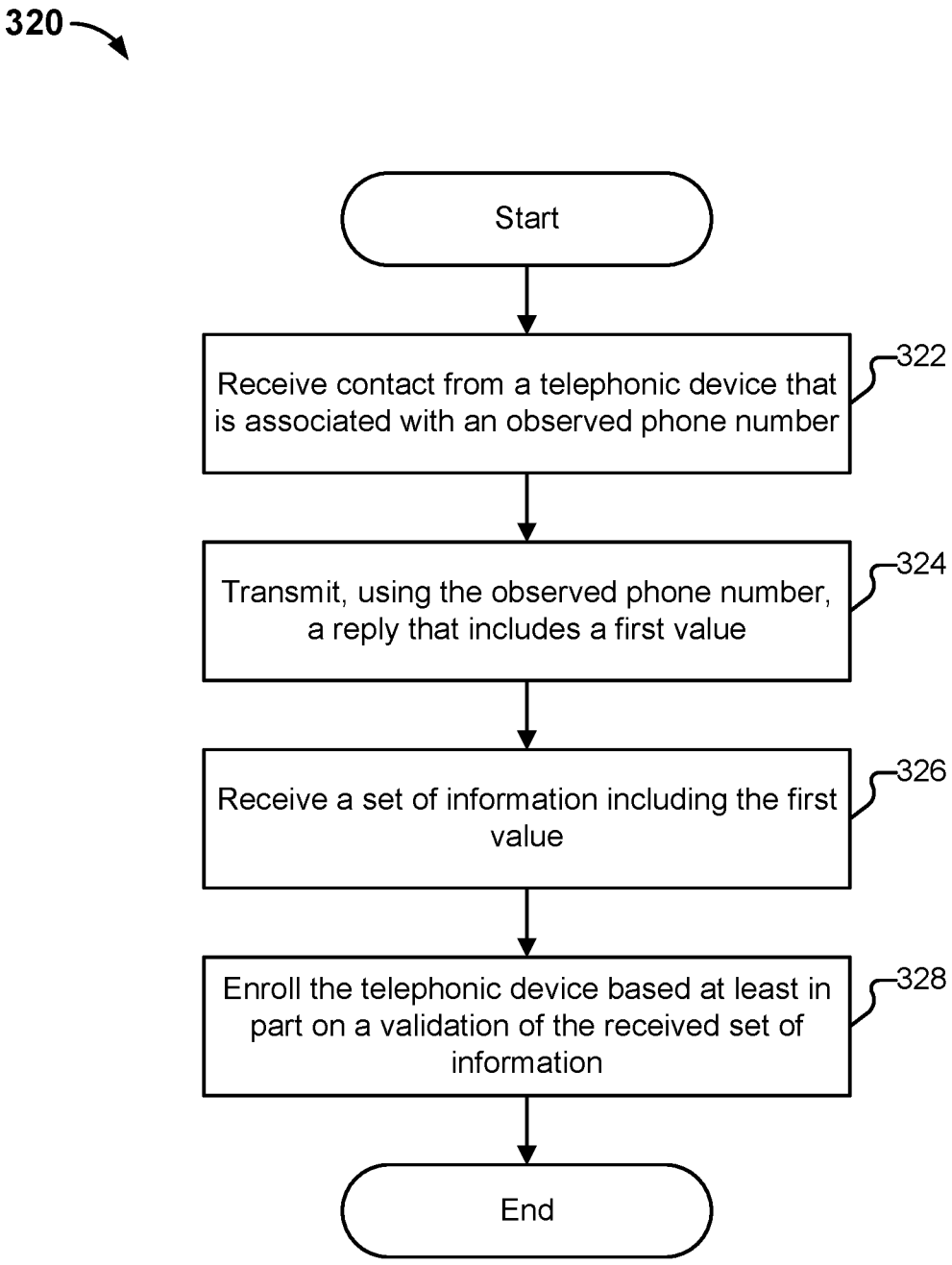

320
Start
Receive contact from a telephonic device that is associated with an observed phone number
322
Transmit, using the observed phone number, a reply that includes a first value
324
Receive a set of information including the first value
326
Enroll the telephonic device based at least in part on a validation of the received set of information
328
End

FIG. 3B

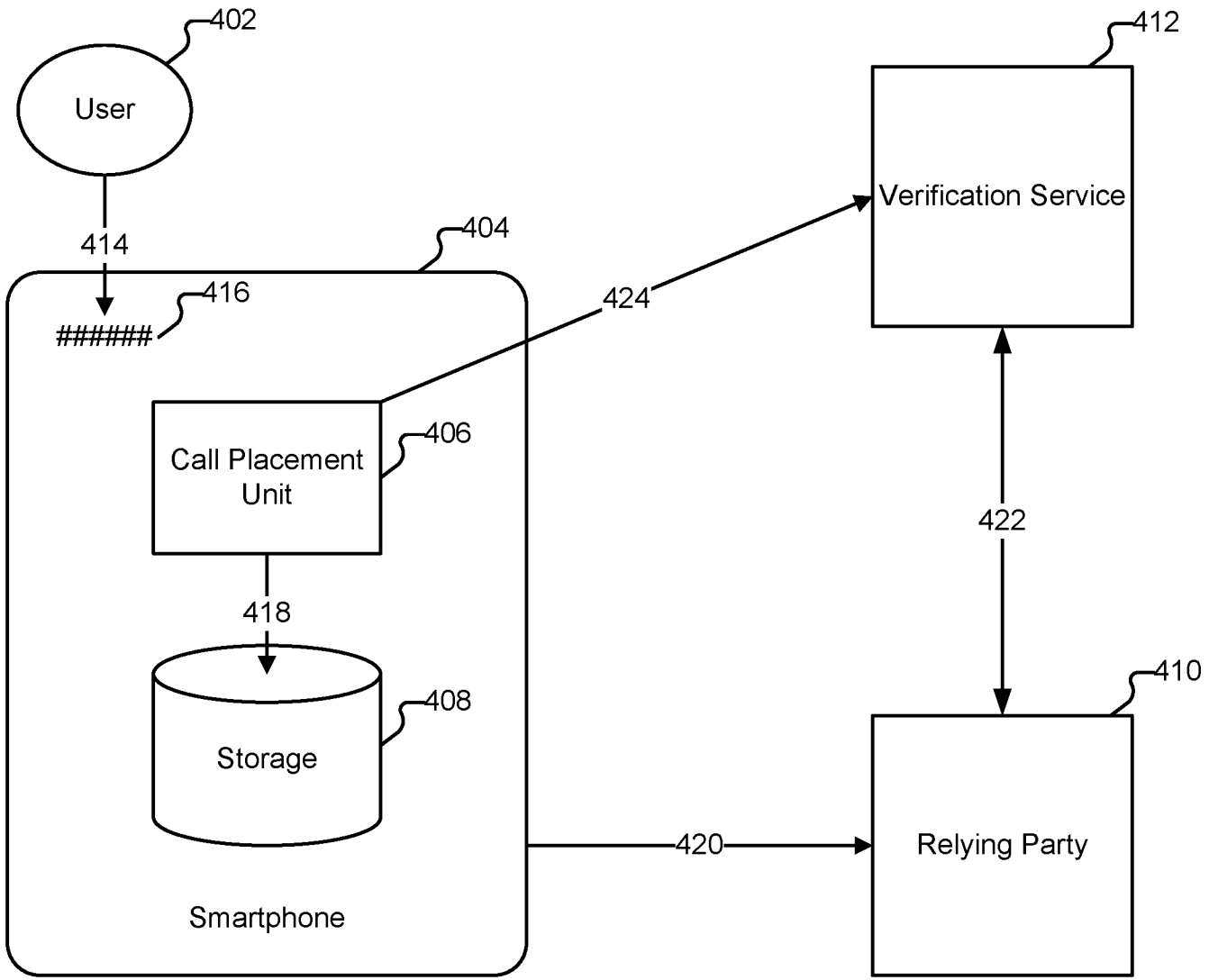


FIG. 4

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0014

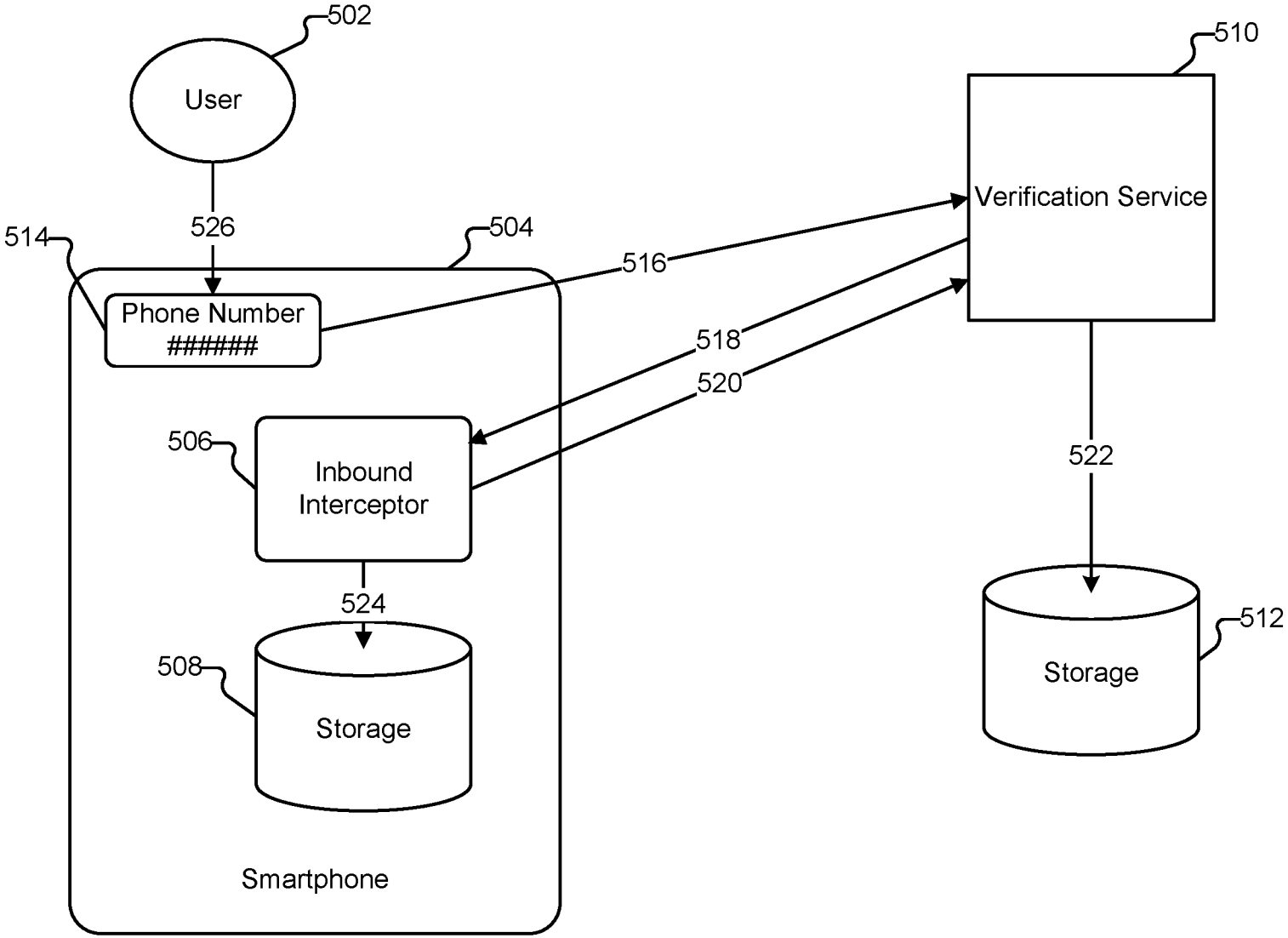


FIG. 5

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0015

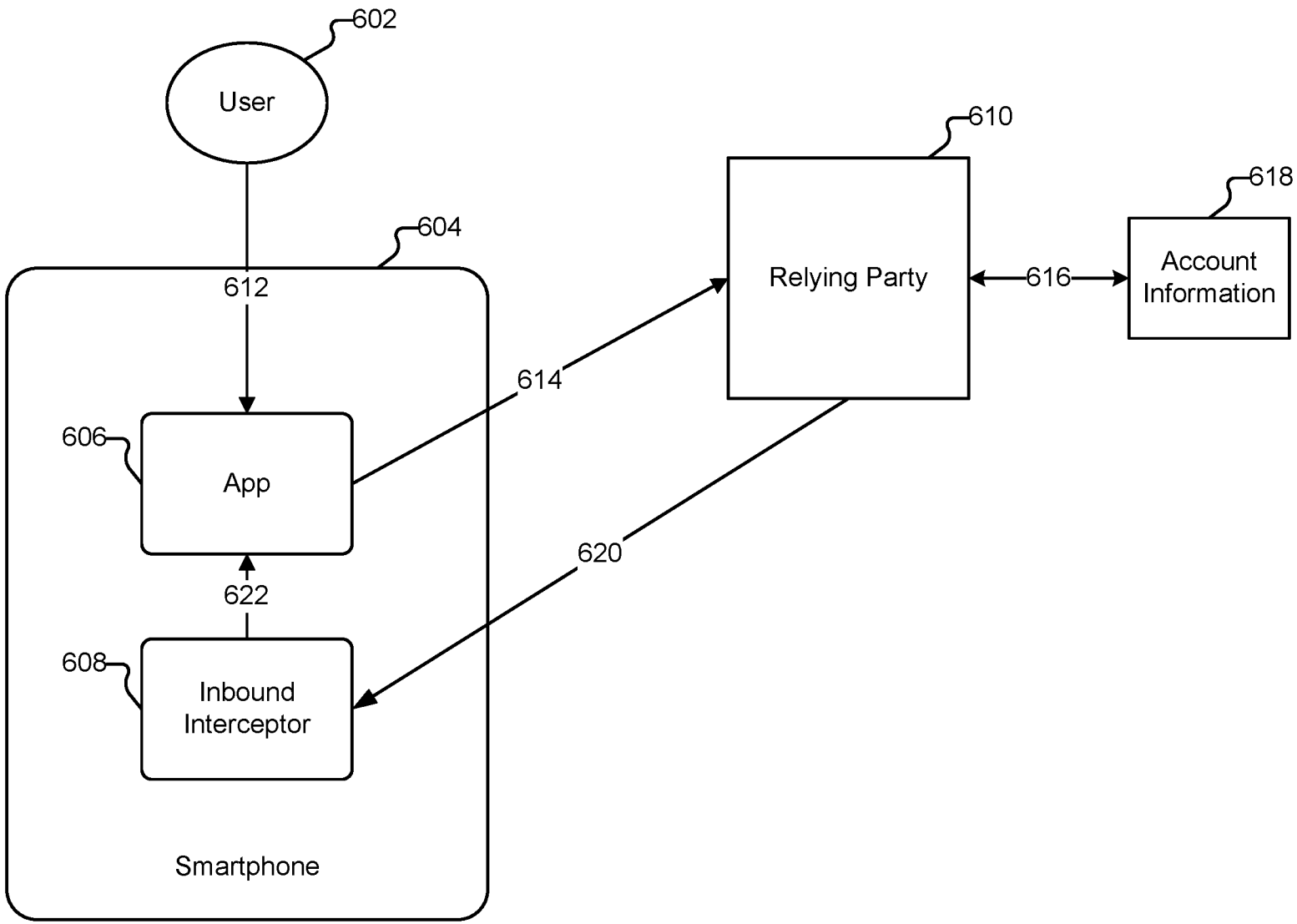


FIG. 6

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0016

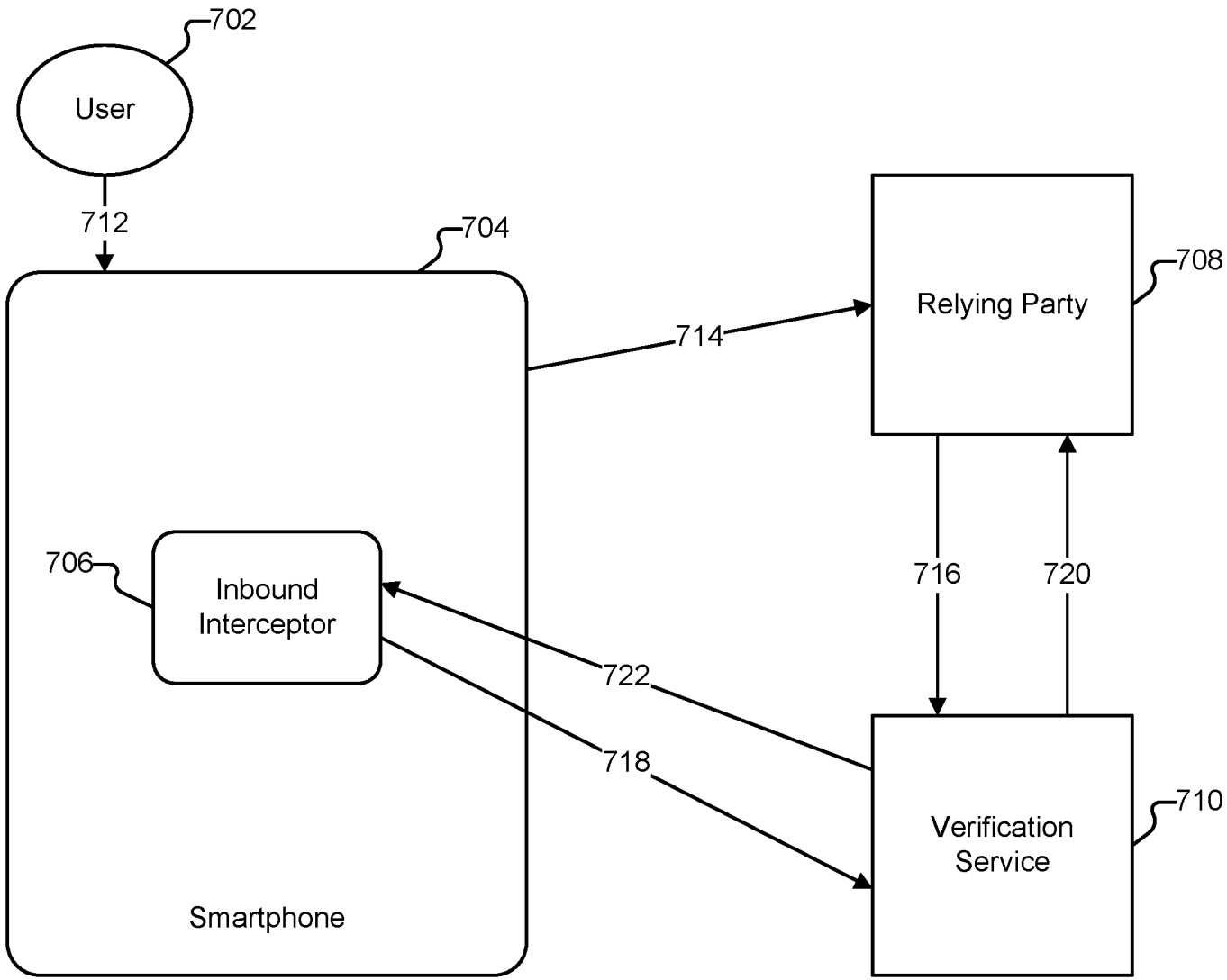


FIG. 7

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0017

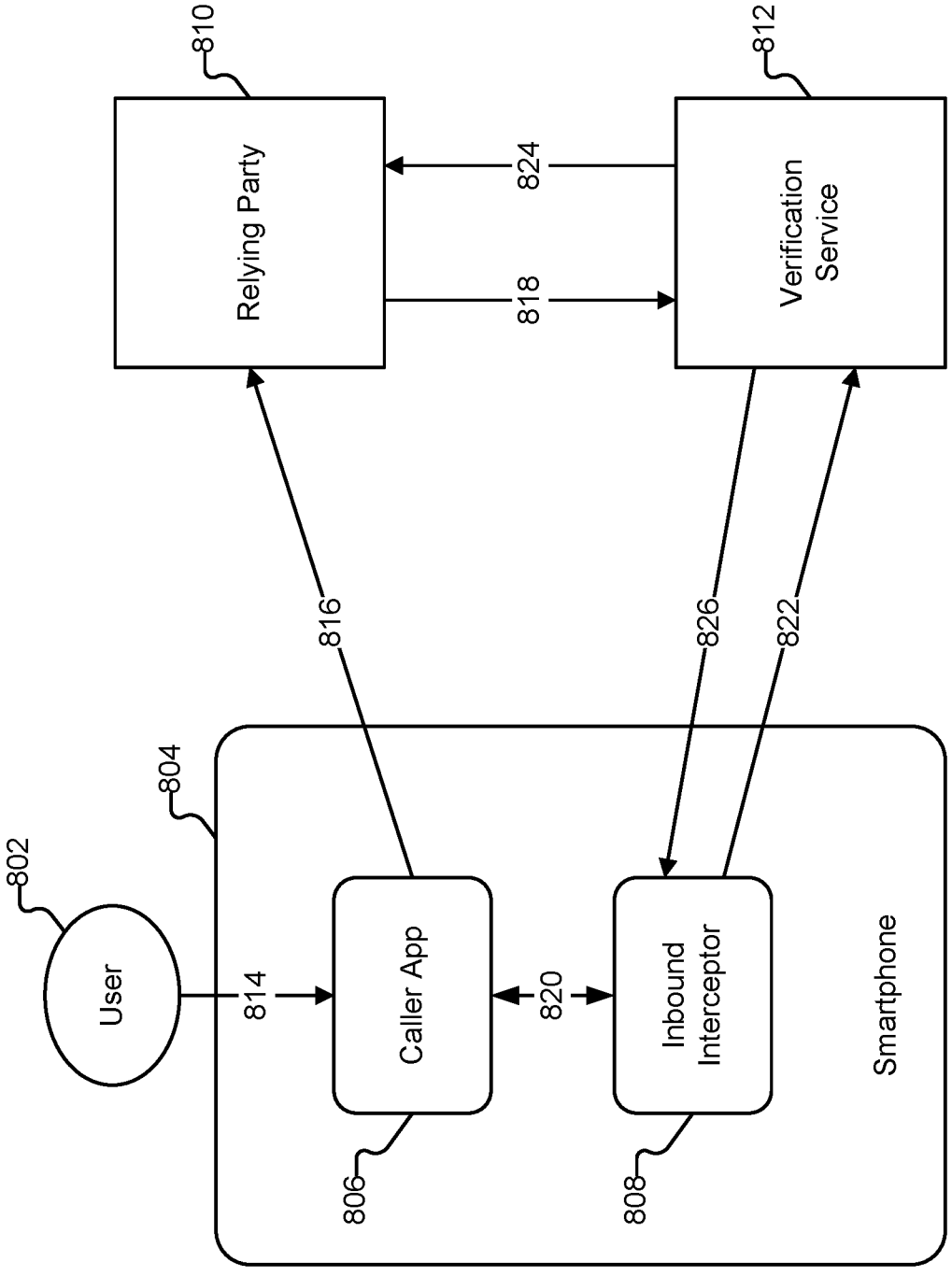

802
User
804
Smartphone
814
Caller App
806
820
Inbound Interceptor
808
816
826
822
Relying Party
810
824
818
Verification Service
812

FIG. 8

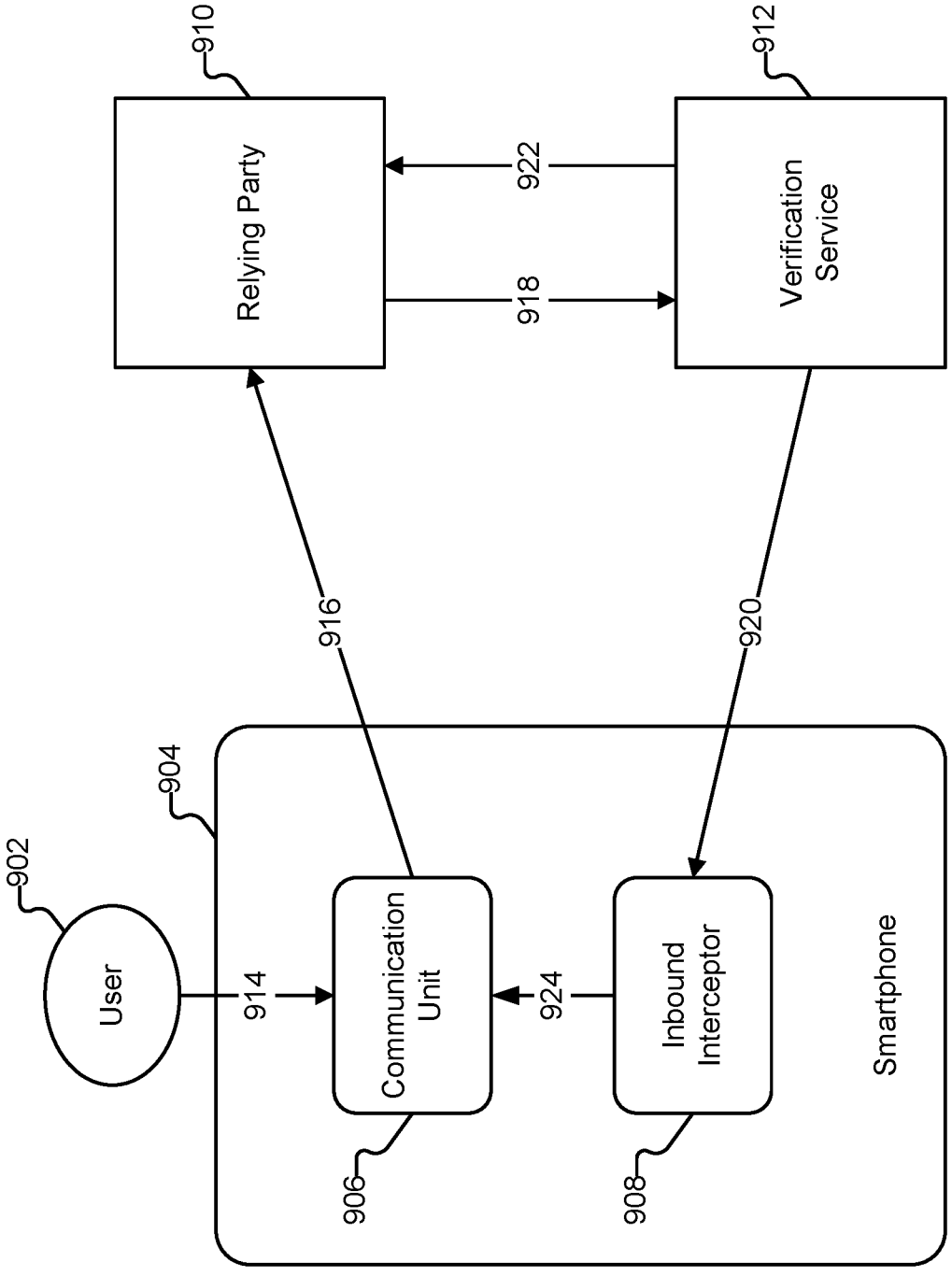

910
912
Relying Party
Verification Service
922
918
916
920
904
902
User
914
Communication Unit
924
Inbound Interceptor
Smartphone
906
908

FIG. 9

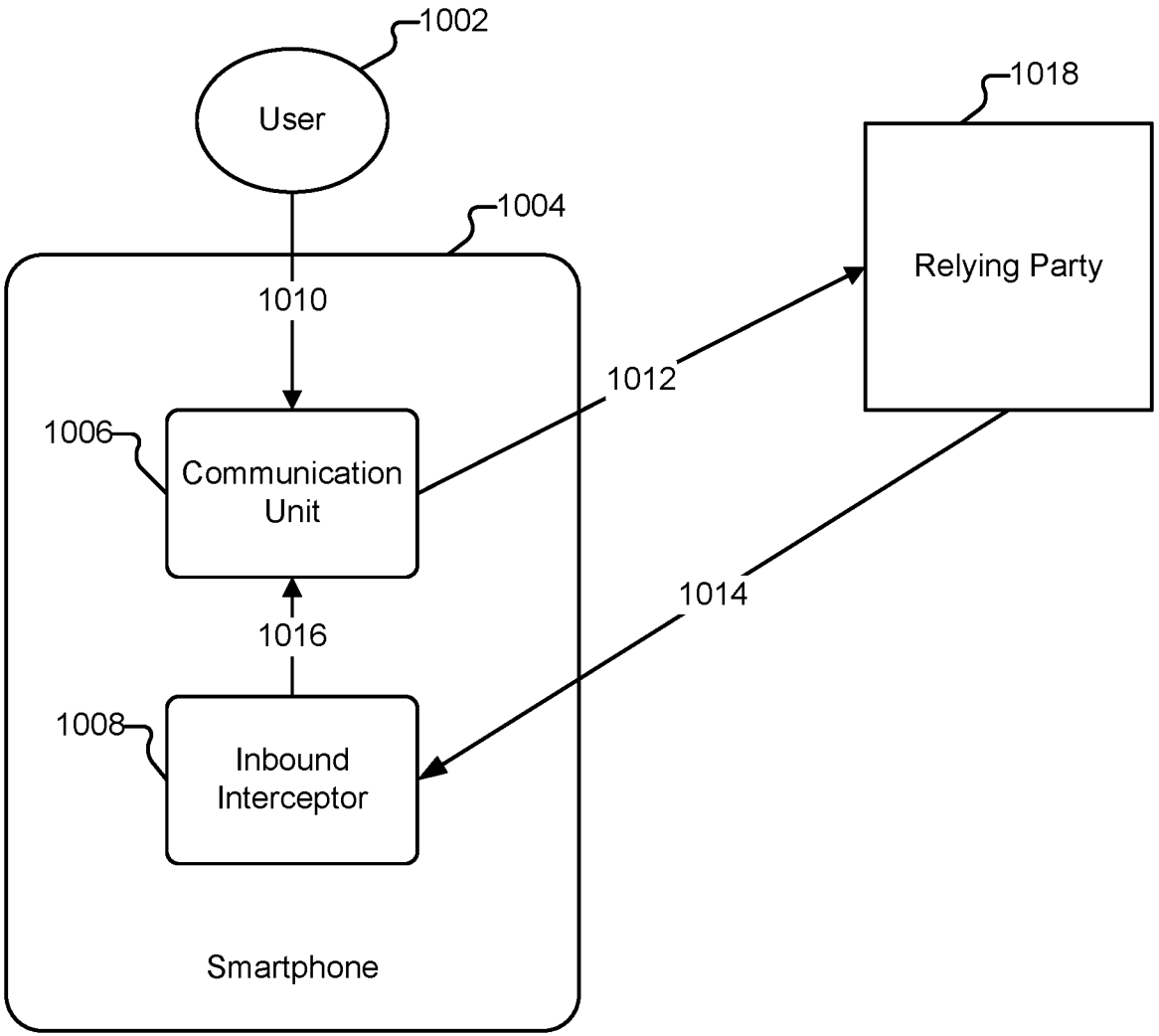


FIG. 10

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0020

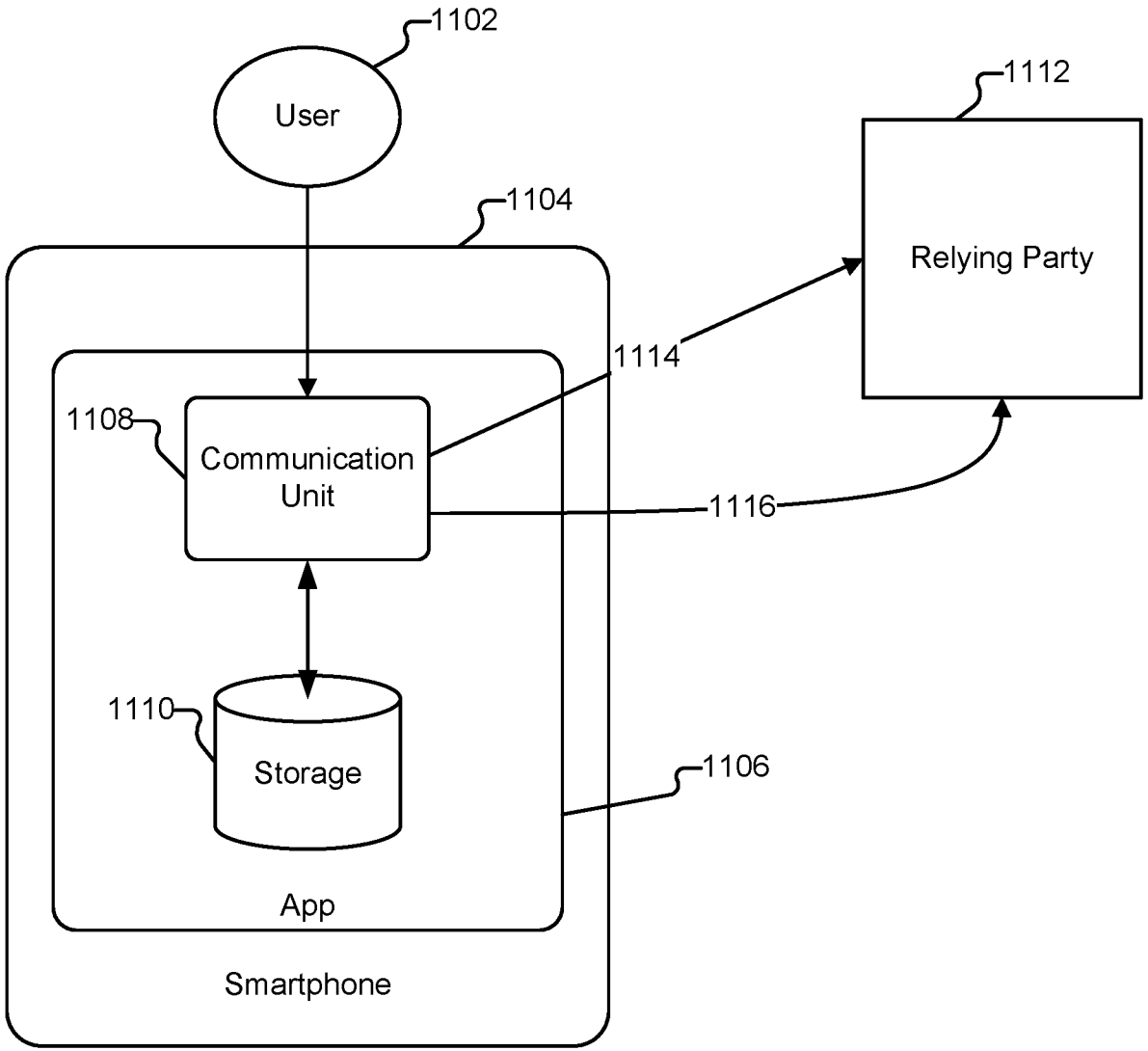


FIG. 11

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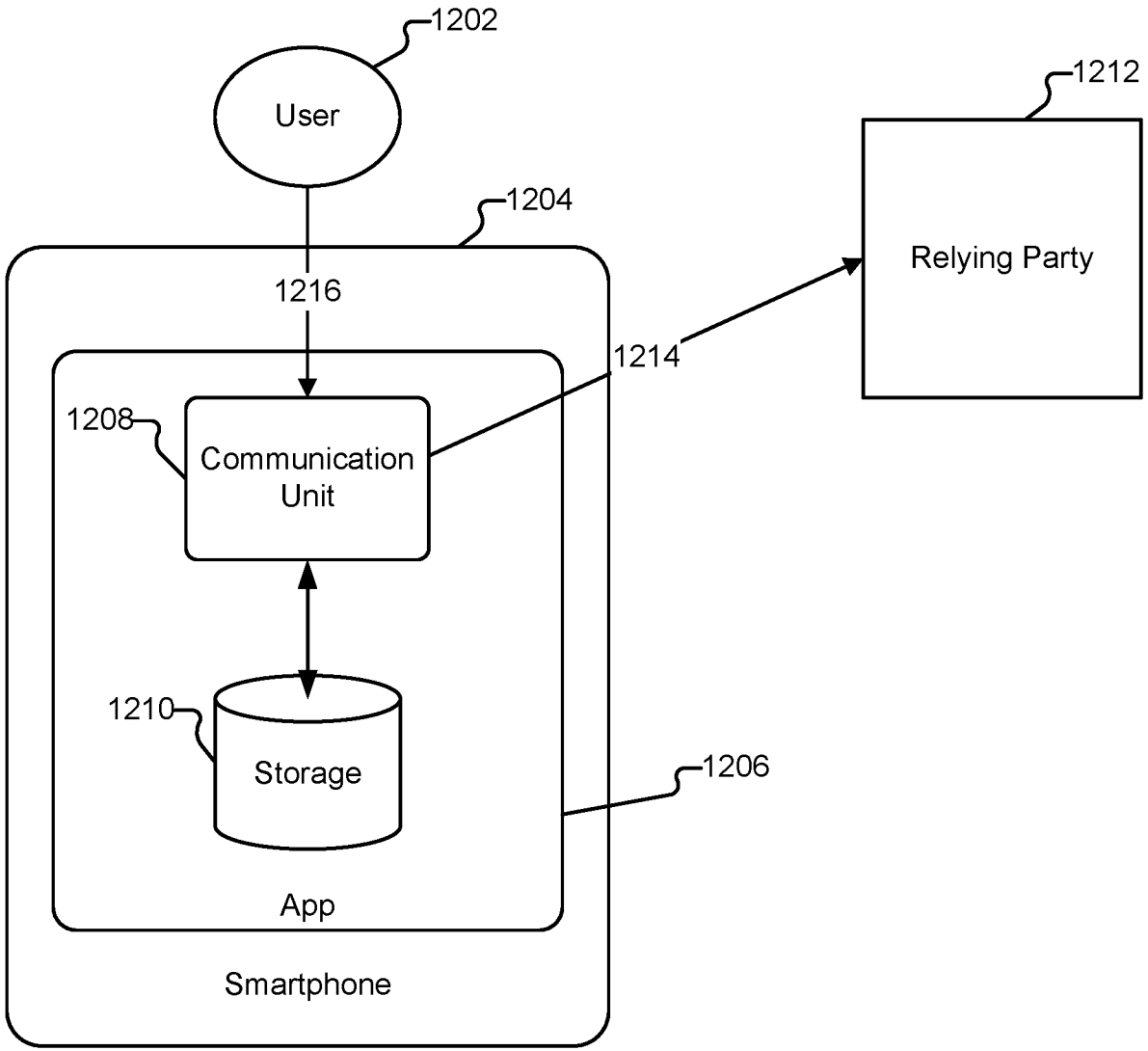


FIG. 12

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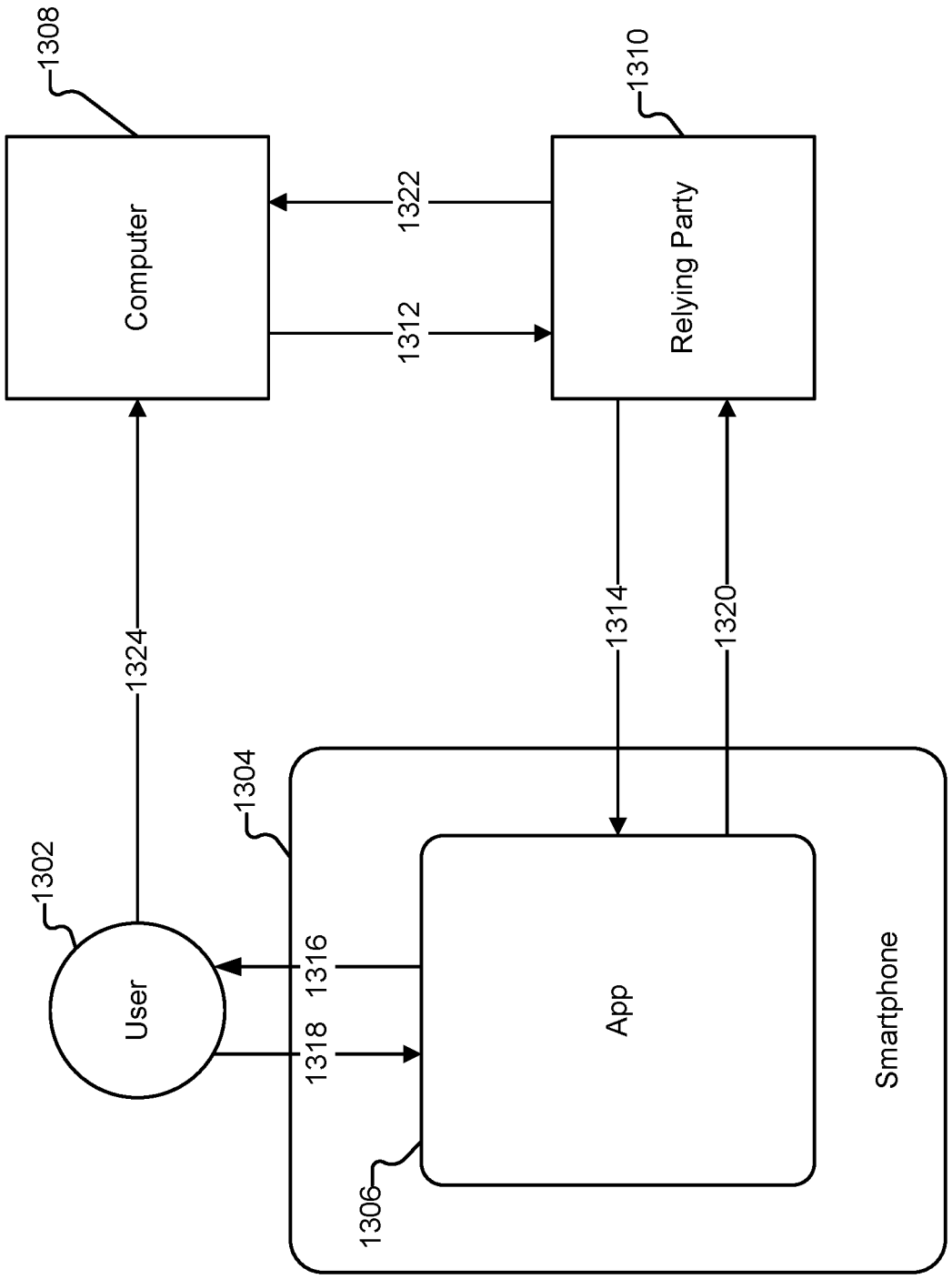

1308
Computer
1310
Relying Party
1322
1312
1324
1314
1320
1304
1302
User
1316
1318
App
Smartphone
1306

FIG. 13

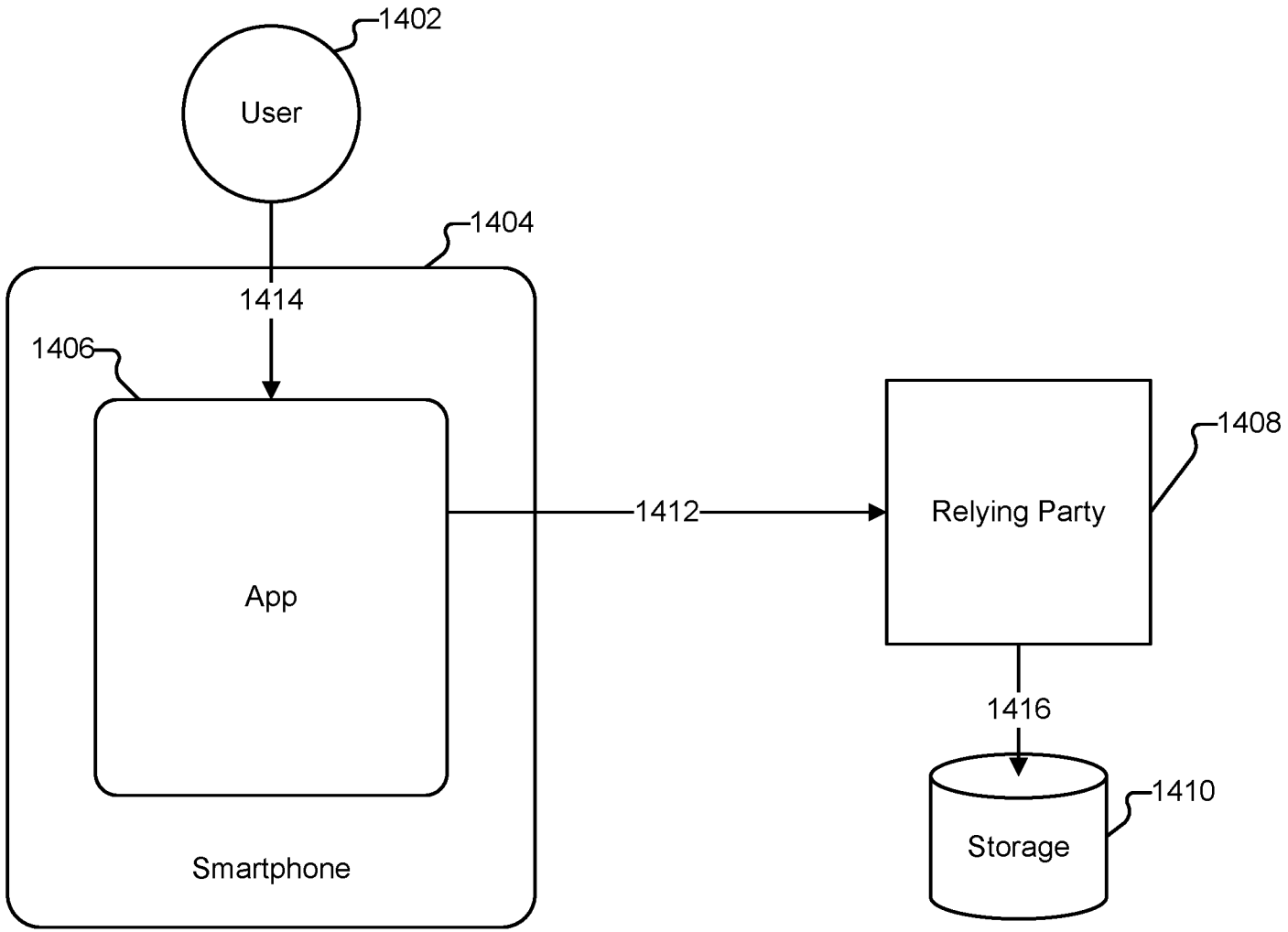


FIG. 14

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Electronic Acknowledgement Receipt

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International Application Number:	
Confirmation Number:	1684
Title of Invention:	VALIDATING AUTOMATIC NUMBER IDENTIFICATION DATA
First Named Inventor/Applicant Name:	Bjorn Markus Jakobsson
Customer Number:	21912
Filer:	Yeu-Ting George Cheng/Elaine Nguyen
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Receipt Date:	12-APR-2021
Filing Date:	
Time Stamp:	20:25:35
Application Type:	Utility under 35 USC 111(a)

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Submitted with Payment	no

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Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Application Data Sheet	MJAKP016C3_ADS.pdf	1226905 e85586c0632fdaff9be5d04cd8aa0199e0522aba	no	8

Warnings:

Information:					
2	Specification	MJAKP016C3_APP.pdf	194712 febace2b1ff297f9d83f62ddc9bf92b3992a9bfb	no	37
Warnings:					
Information:					
3	Drawings-only black and white line drawings	MJAKP016C3_APP_Figures.pdf	79317 9970a9d32c213092b21821fba58f3286c61a4adb	no	16
Warnings:					
Information:					
			Total Files Size (in bytes):	1500934	

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

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

New International Application Filed with the USPTO as a Receiving Office

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

Attorney Docket No. MJAKP016C3

APPLICATION FOR UNITED STATES PATENT

VALIDATING AUTOMATIC NUMBER IDENTIFICATION DATA

By Inventor(s):

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VALIDATING AUTOMATIC NUMBER IDENTIFICATION DATA

CROSS REFERENCE TO OTHER APPLICATIONS

[0001] This application is a continuation of U.S. Patent Application No. 16/785,423, entitled VALIDATING AUTOMATIC NUMBER IDENTIFICATION DATA filed February 07, 2020 which is incorporated herein by reference for all purposes, which is a continuation of U.S. Patent Application No. 16/180,373, entitled VALIDATING AUTOMATIC NUMBER IDENTIFICATION DATA filed November 05, 2018, now U.S. Patent No. 10,674,009, which is incorporated herein by reference for all purposes, which is a continuation of U.S. Patent Application No. 14/535,064, entitled VALIDATING AUTOMATIC NUMBER IDENTIFICATION DATA filed November 06, 2014, now U.S Patent No. 10,694,029,which is incorporated herein by reference for all purposes, which claims priority to U.S. Provisional Application No. 61/901,322, entitled VALIDATING AUTOMATIC NUMBER IDENTIFICATION DATA filed November 07, 2013 which is incorporated herein by reference for all purposes.

BACKGROUND OF THE INVENTION

[0002] Determining the trustworthiness of information used to identify entities involved in communications such as text messages (e.g., SMS), email, calls, and instant messaging can be challenging. For example, information such as Automated Number Identification (ANI) information can be spoofed by unscrupulous entities, making it difficult for caller identity information to be trusted by customer support centers. As a result, organizations face high fraud risks, or employ resource-intensive measures in order to identify callers and senders of messages.

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BRIEF DESCRIPTION OF THE DRAWINGS

[0003] Various embodiments of the invention are disclosed in the following detailed description and the accompanying drawings.

[0004] Figure 1 illustrates an embodiment of an environment in which verification of caller identification information is performed.

[0005] Figure 2A illustrates an embodiment of a process for verifying caller identification information.

[0006] Figure 2B illustrates an embodiment of a process for verification of caller identification information.

[0007] Figure 3A illustrates an embodiment of a process for enrolling a device.

[0008] Figure 3B illustrates an embodiment of a process for enrolling a device.

[0009] Figure 4 illustrates an example of an environment in which verification of caller identification information is performed.

[0010] Figure 5 illustrates an example of an environment in which enrollment of a device is performed.

[0011] Figure 6 illustrates an example of an environment in which verification of caller identification information is performed.

[0012] Figure 7 illustrates an example of an environment in which verification of caller identification information is performed.

[0013] Figure 8 illustrates an example of an environment in which verification of caller identification information is performed.

[0014] Figure 9 illustrates an example of an environment in which verification of caller identification information is performed.

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[0015] Figure 10 illustrates an example of an environment in which verification of caller identification information is performed.

[0016] Figure 11 illustrates an example of an environment in which verification of caller identification information is performed.

[0017] Figure 12 illustrates an example of an environment in which verification of caller identification information is performed.

[0018] Figure 13 illustrates an example of an environment in which verification of caller identification information is performed.

[0019] Figure 14 illustrates an example of an environment in which verification of caller identification information is performed.

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DETAILED DESCRIPTION

[0020] The invention can be implemented in numerous ways, including as a process; an apparatus; a system; a composition of matter; a computer program product embodied on a computer readable storage medium; and/or a processor, such as a processor configured to execute instructions stored on and/or provided by a memory coupled to the processor. In this specification, these implementations, or any other form that the invention may take, may be referred to as techniques. In general, the order of the steps of disclosed processes may be altered within the scope of the invention. Unless stated otherwise, a component such as a processor or a memory described as being configured to perform a task may be implemented as a general component that is temporarily configured to perform the task at a given time or a specific component that is manufactured to perform the task. As used herein, the term 'processor' refers to one or more devices, circuits, and/or processing cores configured to process data, such as computer program instructions.

[0021] A detailed description of one or more embodiments of the invention is provided below along with accompanying figures that illustrate the principles of the invention. The invention is described in connection with such embodiments, but the invention is not limited to any embodiment. The scope of the invention is limited only by the claims and the invention encompasses numerous alternatives, modifications and equivalents. Numerous specific details are set forth in the following description in order to provide a thorough understanding of the invention. These details are provided for the purpose of example and the invention may be practiced according to the claims without some or all of these specific details. For the purpose of clarity, technical material that is known in the technical fields related to the invention has not been described in detail so that the invention is not unnecessarily obscured.

[0022] Described herein are techniques for ascertaining the identity of a device initiating a communication. Using the techniques described herein, potential attempts at spoofing of caller ID or automatic number identification (ANI) data (or any other type of caller identification) can be detected. As will be described in more detail below, example techniques disclosed herein include a client-side (e.g., end-user phone-side) agent that sends confirmation information to verification entities as a result of detecting outgoing communication or being prompted to

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validate communication session information. The transmitted information is validated by a verifying entity using information relating to the session and to the client device, and a security determination is made. Based on the security determination, a relying party, such as a callee or a vendor associated with the callee, makes a policy-based decision to determine the most favorable action, for example, using a risk based assessment.

[0023] ENVIRONMENT

[0024] Figure 1 illustrates an embodiment of an environment in which verification of caller identification information is performed. In the example shown, client device 102 is a device with telephonic capabilities that is used, by a user, to contact callee 118 (e.g., a bank). When contacting callee 118, automatic number identification (ANI) data, such as caller id, for the calling device 102 is presented to the callee. In this example, verification service provider 120 is requested by the callee to verify the automatic number identification data of device 102, for example, to make a security determination as to whether the ANI data is being spoofed.

[0025] Device 102 includes a call placement unit 108 that is used to initiate, at 124, a phone call or an SMS over network 122 to callee 118. Call placement unit 108 is configured to store, at 126, call data in call data unit 110.

[0026] In response to being contacted by device 102, callee 118 sends a request (128) for verification of the call (e.g., verification of ANI data indicated by the call) to verification service provider 120. Verification service provider 120 is configured to determine whether callee 118 is permitted to make this request. In this example, verification service provider 120 determines that callee 118 is permitted to make the request for verification, and in response, verification service provider 120 transmits a request 130 to telephonic device 102.

[0027] The request 130 made by the verification service provider to device 102 is received by communication unit 104 of device 102. In the example shown, an associated request is sent at 132 to process unit 106, which is configured to determine whether verification service provider 120 is permitted to make request 130. In this example, it is determined whether the verification service provider is permitted to make request 130 by using a rule obtained, at 134, from rule unit 112. If verification service provider 120 is determined to be permitted to make the

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request 130 to device 102, then process unit 106 obtains, at 136, call data related to the associated call 138. Process unit 106 can also optionally retrieve at 140 a secret key from storage 114.

[0028] In the example shown, process unit 106 interacts at 119 with message generation unit 116, which is configured to generate a message that is sent at 144 to communication unit 104, and then sent at 146 to verification service provider 120.

[0029] In this example, verification service provider 120 is configured to evaluate the message received from device 102. Based on the evaluation, the verification service provider is configured to make a security determination, which is then communicated, at 148, to callee 118, or any other appropriate entity associated with callee 118. Based on the security determination received from the verification service provider at 148, callee 118 makes a security decision.

[0030] In various embodiments, the calling device, callee, and verification service provider communicate with each other over one or more communications channels (represented herein as a single network cloud 122), such as a telephonic network, cellular network, cellular data network (e.g., 3G/4G), the Internet, Wi-Fi, Bluetooth, audio, SMS, phone call, RDMA, interprocess communication within the same system, or any other appropriate communication channel/network.

[0031] In the example shown, verification service provider 120 includes interface 150, processing unit 152, and database 154. In some embodiments, interface 150 is used to communicate information (e.g., over network 122) with various entities, such as callee 118 and telephonic device 102. For example, the communications can include transmitting requests for verification, receiving responses to verification messages, or any other appropriate communications via the interface. In some embodiments, processing unit 152 is configured to perform verification processing. For example, verification processing can include generating messages, processing responses, performing security determinations, etc. In some embodiments, database 154 is a data store configured to store information associated with performing verification. For example, as will be described in more detail below, in some embodiments, the verification service provider uses the data store to store such information as user records, device records, enrollment information, or any other appropriate information.

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[0032] Verification service provider 120 is illustrated as a single logical device in Figure 1. In some embodiments, verification service provider 120 comprises standard commercially available server hardware (e.g., a multi-core processor, 4+ Gigabytes of RAM, and one or more Gigabit network interface adapters) and runs typical server-class operating systems (e.g., Linux), and also runs Apache HTTP Server software. Verification service provider 120 can also be implemented using a scalable, elastic architecture and may comprise several distributed components, including components provided by one or more third parties. Further, when verification service provider 120 is referred to herein as performing a task, such as storing data or processing data, it is to be understood that a sub-component or multiple sub-components of verification service provider 120 (whether individually or in cooperation with third party components) may cooperate to perform that task.

[0033] In some embodiments, the callee incorporates at least some of the features described herein as being provided by verification service provider 120, and a separate verification service provider 120 (or at least a portion thereof) is omitted, as applicable.

[0034] VALIDATING CALLER IDENTIFICATION INFORMATION

[0035] Described below are further details regarding validation of caller ID or ANI data.

[0036] In the above example of Figure 1, performing validation of caller ID or ANI data includes a verification service provider sending a message to the phone number that is observed from the caller ID or ANI data. In some embodiments, a backchannel is used for communication of a message between a verification service provider and a phone or other end-user device. The verification service provider is prompted to initiate communication with the phone at the request of the callee entity contacted by the phone (e.g., a service provider such as a bank or other entity) that the user of the phone is calling using the phone. In response to the request by the callee (also referred to herein as a "relying party" that relies on the verification services of the verification service provider), the verification service provider then transmits the message. In some embodiments, the message includes a component that is difficult (if not impossible) to predict by a potential attacker, such as a serial number, a counter, a pseudo-random or random number, a number specific to the session or the phone, or any other appropriate component value. In various embodiments, the back channel uses one or more communication technologies,

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such as an Internet data channel, a proprietary network with a WiFi or Bluetooth endpoint communicating with the phone, short message service (SMS), or any other appropriate back channel. A component on the phone is configured to intercept or receive the message and initiate a response to the verification service provider, the callee, or a party associated with one of these entities. In some embodiments, the response makes reference to at least one part of the message. Further, in some embodiments, the message contains indications dictating the manner of responding, including to what entity, what communication channel, and what the formatting of the response should be. The verification service provider transmits at least one message over at least one communication channel to the phone as a result of the request from the service provider. In one embodiment, multiple effectively simultaneous messages are transmitted, for example, using a data channel over the Internet as well as using SMS.

[0037] In some embodiments, the message is different for different channels. For example, the messages sent over the different channels can have different non-predictable components. The verification service provider stores a state associated with each session, where this state is associated with the messages that are generated and sent. This allows later verification of the responses. In other embodiments, the verification service provider stores a secret value that allows verification of responses without having to access a session-specific state. Depending on the connectivity of the phone at the time of the transmission of the message, one of the messages may arrive before another. The different messages may correspond to different modes of creating the response, which, in some embodiments, is either indicated as part of the message or is implicitly conveyed to the phone. In one example embodiment, a message that is received using one channel, such as SMS, is always responded to using the same channel, since there is evidence that this channel is available. Alternatively, in other embodiments, the phone generates multiple responses utilizing different communication channels, using each one of these channels to transmit a response, where each such response corresponds to the message. In one embodiment, the response on the second channel will contain information about the call on the first channel, including one or more of the phone number, call start time, and call end time.

[0038] In one embodiment, the verification service provider is the recipient of the response. As the response is received, it is verified whether the response corresponds to the

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message. If it is verified that the response corresponds to the message, then a positive security determination is made. If an invalid response is received, or no response at all is received within some threshold amount of time, then a negative security determination is made. The verification service provider generates a variety of different positive security determinations based at least in part on the channels used for transmitting the message from the verification service provider to the phone. If SMS is used, for example, then the generation and transmission of an associated response is evidence of the phone having received the message, which in turn is evidence of the phone being associated with the phone number used for the transmission of the SMS. In some embodiments, the verification service provider also generates a variety of positive security determinations based on a state associated with the phone that is used to generate the response. For example, if the process running on the phone that generates the response uses a number that is effectively unique to the phone and stored in memory accessible by the phone, in order to create the response, then the response is an indication of the message having reached the phone and the response being generated by the phone. In some embodiments, the effectively unique number is also stored by the recipient of the response or a unit associated with the recipient, and is used to validate the response to verify that it corresponds to at least one of the message and the state associated with the phone.

[0039] In one embodiment, portions of the verification process are performed as part of an application (also referred to herein as an "app") that is installed on an end-user phone device. In some embodiments, the app receives notifications from the operating system of the phone when a message is received, for example, by subscribing to SMS events. In some embodiments, the processing performed by the app includes removing the message (e.g., received from the verification service provider) so that the message is not seen by the end-user, for example, in order to improve the user experience. For example, in the event that SMS is used, the SMS message can be removed such that the message is not presented, for example, automatically, by an operating system of the phone. In some embodiments, suppressing the communication of the message by the telephonic device to the user can also be beneficial if the channel that is used to communicate the message is a regular phone call from a number associated with the verification service provider, in order for that phone call to not be noticeable by the end user of the telephone device. In various embodiments, the portion of the verification processing performed on the

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device is associated with a software, firmware or hardware component associated with the phone, and is able to access incoming messages.

[0040] In some embodiments, the message includes conveyance of information associated with receiving a phone call, for example, where the phone call does not have to be conveyed to the user in any manner, and where the message is implicit in the information associated with the call. For example, the verification service provider can place a call or SMS to the phone from a number associated with the verification process. When the phone is notified of this phone call, it suppresses the conveyance of it to the end user. In some embodiments the phone call is terminated as soon as the device has observed the caller id information, without receiving the call. This can also lower the costs of operating the service. In this example, the message is the fact that the number associated with verification was observed, or a number out of a collection of available numbers associated with the verification service provider was used. In other embodiments, a message is implicitly communicated over a communication channel by the selection of a phone number used to place a call, or the forging of caller id information to convey a message.

[0041] In another embodiment, the backchannel is not a separate channel, but is encoded in the primary communication channel. In some embodiments, the encoding of the backchannel in the primary communication channel is performed in a manner that does not degrade the quality of the session in a noticeable manner. For example, suppose that a verification server entity is a component of the callee entity or uses the callee as a proxy for the backchannel communication. The verification server entity creates a signal that encodes a request that is sent to the calling device using the first communication channel. This signal is created in a manner such that it is unlikely to be noticeable to the human caller, but is detectable by an agent residing on the caller phone. The agent on the phone extracts the signal and decodes it, after which the agent generates a response message. The response message is sent to the verifying service, either using a separate communication channel or using the first communication channel. In the latter case, the message is again encoded and transmitted in a manner that is unlikely to be noticeable to human users, but which is extracted and decoded by a corresponding agent associated with the caller. Examples of techniques for creating signals in a manner such that they are not noticeable include techniques used within the field of steganography, as applied to

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the audio signal; and to use short bursts of signals in frequency bands that do not interfere with a communication, such as static signals that will be barely audible. The decoded signal is then evaluated as described above. In some embodiments, the request and the message in response to the request are both communicated in a manner that would be audible under normal circumstances, but which is suppressed from the end user, and removed from the received signal after it has been extracted.

[0042] In one embodiment, portions of the above-mentioned verification process are performed as part of an application (also referred to herein as an "app") that is downloaded by an end user and installed on the end-user device (e.g., smartphone, tablet, etc.). For example, the app can be an app that is specifically intended to address the caller id validation, and which may do this for one or more relying parties that would like to know that the caller id information they obtain when receiving a phone call is valid. As another example, portions of the above-mentioned verification process may be part of an app that has another primary purpose, such as a bank app that allows users to access their bank account from their handset. In this case, the process for validating caller id may interact with only the bank associated with the app, or with a collection of entities that are approved by the bank or a party producing the app. In another embodiment, the verification processing performed by the device is pre-installed on the device by a chip manufacturer, such as the original equipment manufacturer (OEM), or a carrier associated with the device. For example, the verification processing configured to be performed by the device may be part of the operating system routines or apps that are preloaded on the device at the time of purchase.

[0043] In one embodiment, data stored along with the process indicates what phone number(s) are associated with the verification service provider. In various embodiments, this data is stored on the device at the time of installation, at the time of configuration, or as the process is first used. In some embodiments, data stored along with the verification process contains certificates used to verify such phone numbers. In other embodiments, instructions are used to validate updates of such data, whether received as part of patches or associated with communication with the verification service provider (or an entity associated with the service provider). In some embodiments, verification data and verification instructions are used to verify numbers associated with the verification service provider, which may be a distributed

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service run by one or more independent organizations. In other embodiments, instead of associating one or more phone numbers with the verification service provider, other information is associated with the verification service provider, such as one or more public keys, one or more secret keys, one or more IP addresses, one or more elements of device information, one or more instant message addresses, or any other appropriate information. In some embodiments, this information is secured and/or verified in a manner similar to how information related to phone numbers is secured and/or verified.

[0044] As the second communications connection is established between a verification service provider and a potential calling device, the device determines whether the connection is associated with a phone number associated with the verification service provider, for example, using automatic number identification techniques and performing a comparison to a list (e.g., whitelist) of phone numbers or using an execution of a rule. If a match is determined, then the above-described verification process optionally suppresses the conveyance to the device end user of the second communications connection and associated data. Additionally, in some embodiments, if a match is determined, then a message is computed based on at least one of the ANI information associated with the second communications connection, data associated with the initiator of the second communications connection, data communicated using the second communications connection, and data associated with the communication (e.g., channel data, start time of the communication, a value stored in a memory associated with the device, etc.). In some embodiments, a connection is established to a phone number associated with the verification service provider and the message is communicated over the established connection. In other embodiments, a phone number or an address is computed or selected based on at least one of the ANI information associated with the second communications connection, data associated with the initiator of the second communications connection, data communicated using the second communications connection, and a value stored in a memory associated with the first device. A message associated with the second communications connection is then transmitted to the computed or selected destination. In another embodiment, the message is communicated over the first communications connection (primary communication channel used to contact a callee), where the message is computed based on at least one of the ANI information associated with the second communications connection, data associated with the initiator of the second

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communications connection, data communicated using the second communications connection, and a value stored in a memory that was previously associated with the device.

[0045] In some embodiments, where multiple communication channels are available for the telephonic device to send a response, the phone can dynamically select between available options. In various embodiments, the channel selection is based on a variety of factors including cost, availability, reliability, and latency.

[0046] In some embodiments, the verification processing resident on the device determines that a phone call is placed, generates a message based on a value stored in a memory associated with the device, and transmits the generated message to a verification service provider at the time that the phone call is made. In some embodiments, the determination is performed, for example, by subscribing to relevant events, or by modifying the interrupt or event handlers, the phone number selection, the phone number entry, the operating system, or one or more drivers. In some embodiments, the message includes a timestamp of the call, such that the message cannot be replayed later. In some embodiments, the message includes or is associated with the number to which the phone call is placed. One example implementation is for the message to be a message authentication code on the phone number called, where the message authentication code is at least one of a counter value and an additional value that may be pseudo-randomly generated, for example, using a key that is stored on the device and also stored in a memory associated with the verification service provider (where the key is associated with the device in the memory associated with the verification service provider). The generated message is then communicated over a communication channel to the verification service provider.

[0047] As described above, in some embodiments, the message sent to the verification service includes a timestamp, which can be used to prevent a replay attack. For example, the timestamp can be used by the verification service to score the validity of the communication, where an old or aged timestamp may be indicative of an attack.

[0048] In some embodiments, the verification service automatically forwards call information to the relying party (or, in some embodiments, the relying party polls the verification service as needed). In various embodiments, the call information includes one or more of: invalid number, unknown number, no call in progress, the call start time (if there is a call in

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progress), the phone number for the current call, and a score indicating the validity of the number. The relying party evaluates this information using, for example, custom verification processing and policies, including the use of information about the user account or user access, in addition to the verification processing performed by the verification service provider. If the call information is automatically forwarded, the information from the verification service provider may arrive before the call is answered by the relying party, which allows the relying party to automatically determine how the call should be handled. In one embodiment, the call information (which can include one or more of device id, symmetric key, call start time, and number called) is sent through the same channel as audible sounds or as sounds that are not noticeable to the user, as described above, which the relying party matches against the ANI for the incoming call.

[0049] In some embodiments, the calling device is enrolled with the verification service provider, and the message communicated from a previously enrolled device to the verification service depends on at least one of a timestamp, a unique identifier, a symmetric key, and device information, which is passed to the Verification Service to prevent, for example, attempts to spoof the legitimate device. In some embodiments, the verification service evaluates the device information and unique identifier to determine a match against previous usage of the device that is recorded and stored at the verification service. Examples of device information include one or more unique or semi-unique software identifiers; one or more embedded hardware identifiers; a user-added hardware identifier like an SD Card or geolocation information; and a device "fingerprint" created from a combination of device settings, installed applications, system or application software versions, or contact list stored on the phone. In some embodiments, the device information is combined with other information, such as the time on file for the device, to create a single validity score that is available to the relying party for the current call. In some embodiments, the verification service creates a verification score for a device when a call is initiated. In various embodiments, the verification score is created using a variety of approaches that include one or more of combining the available factors to create a score by applying relative weighting to each of the available factors (e.g., based on historical and ongoing evaluation of the factors' effectiveness), combinatorial logic, a neural net or fuzzy logic, etc. In some embodiments, the relying party incorporates the score into a risk-based decision system to be used in conjunction with other variables that, in various embodiments, include account history,

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user security preferences, other available factors such as device information or challenges, the monetary (e.g., dollar) value of a transaction, service policies, etc. The decision system then selects from a range of appropriate responses, which include at least one of blocking access, requesting additional authentication factors, permitting access, etc.

[0050] In some embodiments, if the user's device cannot be verified by the verification service, or if the verification score is insufficient, the verification service contacts the user's device via an SMS or other communication channel, as described above with respect to device enrollment. For example, if a user's phone characteristics change, then the verification service can validate the phone again by sending an SMS to the phone that is captured by the verification client (residing on the device) and returned via a network connection. The changes could include one or more of an operating system upgrade, a spoof attempt, an application update, a device fingerprint based on device configuration information, a hardware change, the expiration of a symmetric key (which may have a forced expiration date), etc. The changes to the characteristics of the device may be sufficiently different so as to trigger a re-enrollment of the phone. In some embodiments, the re-enrollment is triggered by the verification service.

[0051] In some embodiments, the relying party specifies, to the verification service, the score that is required to complete a verification. If the user's device verification score on a call is too low, in some embodiments, the verification service reconfirms the (observed) ANI by sending an SMS or other communication to the phone number that is intercepted, processed, and responded to via a second channel. In some embodiments, this process is used to reconfirm the ANI and is used to raise the verification score. By automatically responding to the SMS (that originated from the verification service) with information about the call that is currently in progress, the verification service verifies that the ANI is not being spoofed, as it is unlikely that a spoofer is able to fake the routing of calls to the true number. This verification can be used to raise the verification score.

[0052] In some embodiments, a process that runs at least some of the time on a phone or other communications device is used to confirm a phone call to a third party, such as the callee or a verification service provider, the latter of which is then configured to convey an assurance to the callee. In one embodiment, the process running on the device determines that an outgoing

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phone call is being placed or in progress. As one example, the call is initiated from the app by a user either selecting a phone number from a stored list or entering a number. As another example, the app captures the start of a phone call by at least one of subscribing to system events such as the start of a new phone call or the entry of a number, modifying or inserting code related to the placing of calls, reading the contents of buffers or registers, identifying the context by reviewing instructions in the instruction pipeline, and observing side-effects of a phone call being placed, such as the display of information relating to a phone call on the screen of the device.

[0053] In some embodiments, an entity (e.g., verification service) that is associated with a communications infrastructure or the callee, initiates a communication to the portion of the verification process running on the device, requesting a verification of the phone call. In this case, the processing includes using, for example, one of an app, a portion of the operating system of the device or a device driver, a library that is part of an app, part of firmware (e.g., in the modem processor), etc.

[0054] In some embodiments, when the verification process confirms that the phone is used to call the callee device that received the caller id associated with the caller, the verification process communicates and conveys information related to at least one of a request for the confirmation; data associated with the phone call being placed; and data stored on the phone, such as a symmetric key, which is also stored by an entity associated with the recipient of the confirmation communication.

[0055] As the confirmation data is received (e.g., by the verification service), it is verified against the information that was previously stored for the user's device at the verification service using, for example, the scoring described above. If the confirmation data is deemed correct (e.g., properly formatted, associated with the expected data, and received within the expected time frame, which is an example of a system parameter), then an assurance is produced and conveyed to the callee or a party associated with the callee.

[0056] If the confirmation data is not correct or cannot be verified (e.g., the user's phone number was never registered, the user purchased a new phone with the old number, or a fraudster is attempting to trick the system), the failure to confirm is then conveyed to the callee or a party

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associated with the callee. The caller is then provided a confirmation that the call has either been verified or not been verified by the verification service.

[0057] In some embodiments, verification success or verification failure is then conveyed in-band through at least one of the same channel (e.g., primary communication channel) or via another channel. For example, the verification result can be conveyed as an audio signal in a voice channel, as an additional SMS message inserted into the SMS stream, a visual indication on a user's smartphone, or as messages presented through a secure display on the user's smartphone. In one embodiment, synchronous communication such as a phone call is automatically disconnected, with, in some embodiments, an audio or visual termination indication presented if the information cannot be correctly verified. In some embodiments, the callee is informed of whether the verification failed because the call was either confirmed to be spoofed or confirmed not to be spoofed, and if the latter, the reason why, if available. For example, a call will be confirmed to be spoofed if the caller device responds to the verification service provider that there is no such call, or no ongoing call, in response to receiving a request to send the response. If the caller device does not support the verification service (e.g., because the device does not have installed the verification mechanism), then it is inconclusive as to whether the call is spoofed or not. Other indications can also be generated. For example, if the caller device does not respond, the reason may include one or more of the device being off the network (which is an indication that the call is spoofed), that there is a temporary device or software failure, or that there is a temporary network failure. In some embodiments, the verification service provider, in such a situation, attempts to make a connection for some number of times that is a system parameter, after which it outputs a notification to the callee indicating what took place, including what types of responses the device normally sends and what types of responses were received during a recent session.

[0058] In some embodiments, the software installed on a calling device conveys call information to an intermediary verification service through a separate channel (e.g., that is different from the primary channel used to make the call being verified). In this example, the service acts as a trusted third party to verify the validity of the call (e.g., based on data associated with the phone call being placed, data stored on the phone such as a symmetric key, device information, etc.) and to provide the verification information to the called party. In some

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embodiments, a verification result is sent to the called party through another channel or retrieved by the called party as needed. In some embodiments, the verification service provides only the results of the verification to the called party without exposing any device information, such as a symmetric key, to the called party. In some embodiments, a caller device is registered a single time with a verification service and is then able to use the verification service with many called parties.

[0059] In some embodiments, the caller device registers with multiple verification services, as different relying parties may use different instances of verification services. In some embodiments, in order to increase availability, the verification service is also replicated for high availability and high volume of calls.

[0060] In some embodiments, a called party or callee queries the verification service to verify the validity of a caller's device through a second communication channel when the called party or callee recognizes the incoming call identifier (e.g., caller ID or ANI). In response to the query, the verification service then sends the verification result to the callee before the call is even initiated, which allows the callee to perform operations before the call is received, such as looking up the user's account information, deciding how to route the incoming call, or deciding what authentication, if any, should be used to further verify the validity of the caller.

[0061] In some embodiments, a verification service evaluates the quality of the data provided by the callee's device to create a score. In one example embodiment, the data score is combined with the age of the data to provide an overall quality score to the callee. In some embodiments, the verification service provides the call start time and/or device information for the relying party to evaluate.

[0062] In some embodiments, input from a relying party provides feedback on a particular phone call that indicates a problem with the user's device, such as a stolen device, possible spoof attempt, fraud related to a device, or a verification that subsequently proved to be errant. This information can then be incorporated into an overall reputation score of a caller's device.

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[0063] In some embodiments, the relying party provides its own verification service rather than using a third party service.

[0064] In some embodiments, the device is a smartphone with both a phone channel and a 3G/4G network channel. Other examples of devices include a smartphone, tablet, PC, phablet, or wearable computer with a processor and multiple communication channels or a single channel that is multiplexed across two different endpoints.

[0065] In some embodiments, the app installed on a device is enrolled when the user starts the app for the first time. When the app is started, the app automatically places a phone call to a phone number (e.g., that is embedded in the app) that is used for enrollment by the verification service. The corresponding verification service that is contacted captures the incoming ANI or caller ID of the phone and sends an SMS back to the phone containing a unique temporary identifier. The identifier is used as a secret key or is used to compute a secret key. For example, a method such as Diffie-Hellman key exchange or RSA key transport can be used, where a public key associated with the verification service is embedded in the app, and is used to compute the encrypted key that is generated by the device and communicated (e.g., in an encrypted manner) to the verification service. This communication can, for example, be sent using SMS or a regular Internet connection. In some embodiments, the user device stores the derived or generated secret key, and a storage associated with the verification service also stores the secret key. In some embodiments, the secret identifier or symmetric key is used to validate the device in future communications in some embodiments.

[0066] In some embodiments, once the phone is enrolled with a secret unique identifier, a call to a relying party is initiated in response, for example, to a user selecting a number from a pre-populated list or entering a new number from within the app. The app places the call to the relying party and securely conveys information about the call to a verification service via a message encrypted with the symmetric key, as discussed above, on a communication channel that includes one or more of 3G/4G networks, WiFi, Bluetooth, or any other appropriate channel/network. The relying party then captures the ANI data from the inbound call and queries the verification service about the call. The verification service then compares the information from the app with the request from the relying party and returns a verification result.

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[0067] In one embodiment of the enrollment process, the initial communication path used by the device to contact a verification service includes channels such email and SMS, instead of a phone call. In such a scenario, the verification service does not verify the ANI of the device, and instead verifies the corresponding communication identifiers associated with the initial communication path.

[0068] In another embodiment, the initial enrollment of a device by a relying party or the verification service, as well as occasional re-enrollments sessions, are combined with one or more additional authentication tools including PIN verification, password verification, Knowledge Based Authentication, geolocation information, or verification tools such as Name+Address+Phone checks or credit card information validation. Such additional authentication can also be combined with an ANI verification session, as described herein. Additional authentication and verification can also be used for additional user validation. This provides additional assurance features not only for the sessions where the additional authentication is used, but for other sessions as well. This is because the combined use, in a single session, of the extra authentication and the verification of the device specific identifier (e.g., such as that associated with caller id) allows the mechanisms to become associated with each other. Thus, a verification service can determine, with reasonable assurance/certainty that each session in which a given ANI is verified corresponds to a user with certain knowledge, access rights, or other authenticator.

[0069] In some embodiments, a security verification token received on the second channel is then returned via the first channel. For example, if a call is placed to the verification service, the service can contact the user's phone via another channel and provide a unique value. The unique value is then inserted into the phone call, for example, as a barely audible audio tone or an explicit voice to text reading out a number. The verification service can then decode the audio to match against the unique value.

[0070] In some embodiments, a relying party generates the unique value and sends it directly to the caller's phone on a second channel, where it is intercepted and then inserted into the phone call on the first channel (e.g., as a barely audible audio tone or an explicit voice to text reading out a number). In one example implementation, the relying party software detects the

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unique value through an automated system such as tone detection. The unique value is then compared with the ANI information from the phone call. If there is not a match, then it is determined that the ANI information is spoofed or is not representative of the caller device.

[0071] In some embodiments, when phone calls are directed to another number using call forwarding, the verification service determines, by sending an SMS or push notification, that the user's calls are not being received at the ANI that originated the call. In such a scenario, the result will be determined to be one or more of no response, correct device information but no call information from the forwarded phone, or incorrect device information from the forwarded phone. The verification service then provides the resulting status to the relying party, which determines how to interpret the result based on its policies.

[0072] In some embodiments, the verification functionality discussed above is implemented at the operating system level (e.g., of the phone), but the implementation may alternatively be at one or more of the application level, as a library that multiple applications can use, or a combination of operating system, application level, and libraries.

[0073] In some embodiments the ANI verification is used to enable automated password reset through an interactive voice response (IVR) system for users that forget their password. For example, when the IVR system is called by the user, the ANI is recognized and validated by the verification system. The IVR system can then, for example, create a new temporary password, send an email with half of the password, e.g., the word "brave," and indicate to the user, via audio or SMS, the other half of the password, e.g., "8317." The user would then combine the parts for the full temporary password, "brave8317," that can be used to log into the user's account instead of the password that the user forgot.

[0074] In some embodiments, if the user's phone is not previously enrolled with the verification service, the verification service can call the user's phone to verify that a call is in progress. As one example, when the user's phone is not previously enrolled with the verification service, the verification service can send an SMS with a unique identifier to the phone and request the user of the phone to respond via SMS. For example an SMS is sent to a user's device with the phrase "purple cow." The user can then manually return the same phrase in a reply SMS on the second channel, or "purple cow" can be inserted into the audio stream on the first

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channel. The verification service recognizes that the correct phrase has returned through a round trip, which confirms that the ANI is valid (as it may be difficult to spoof a phone network to receive the SMS message at a different phone number). In one example implementation, a verification process running on a phone that has not been enrolled with a verification service intercepts an incoming SMS or push notification, captures the phrase, and inserts it into the first channel as audio using text to speech. In another example implementation, a verification process running on the phone is configured to intercept the incoming SMS or push notification, capture the phrase, and automatically respond on another channel such as a 3G/4G network.

[0075] In various embodiments, typically unconventional channels can be used to communicate messages and responses to messages. For example, a user device can send such information by spoofing ANI data, where, instead of using the regular ANI of the device, the spoofed ANI is used to convey/encode the messages/responses to the messages without the use of a separate physical channel. Similarly, error messages, communication protocol messages, and other low-level messages can be used to convey information between the user device, the verifying party, the relying party, and the callee device.

[0076] In some embodiments, once the app on the user's phone is enrolled with the verification service and connected to an account at the relying party, the app can modify one or more of the caller ID or ANI to encode information about the incoming call. For example, the user's phone number can be combined with a one time code that is generated by the app based, for example, on the symmetric key and the current time. When the relying party observes the incoming ANI and Caller ID, it decodes the one time code based on the symmetric key for the account associated with the user and validates the timestamp. In one example implementation, the app can be populated with a list of "one time pad" codes for the account that are known only to the app and the relying party; or a function to compute the codes from a shared secret. When the one time code is received (e.g., encoded in the Caller ID or ANI and extracted by the relying party), the relying party can uniquely identify the account associated with the user/device and mark the code as used, for example, by comparing the observed ANI to one or more potential onetime codes associated with one or more accounts. A match that is made is used as evidence of the identity of the device. Using such functionality also serves to hide the ANI to callers who

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do not have the shared secret, thereby providing user privacy at the same time as providing assurance of the identity of the calling device.

[0077] In some embodiments, once the user's phone is enrolled with the verification service and connected to an account at a relying party, the user's phone can be used to authenticate the user when accessing the account from a different device. For example, suppose that the user enters an account identifier into a web browser on a PC. The relying party can contact the verification service, which in turn contacts the user's phone via SMS or a push notification, for example, to ask the user to confirm the account access. In some embodiments, the confirmation is one or more of a confirmation of a financial transaction or an agreement.

[0078] Figure 2A illustrates an embodiment of a process for verifying caller identification information. In some embodiments, process 200 is executed using telephonic device 102 of Figure 1. The process begins at 202 when an indication of a phone number to be called is received. As one example, the phone number is entered by a user of the phone. As another example, the phone is selected from a list of phone numbers.

[0079] At 204, contact with the callee is initiated using the indicated phone number. As one example, either a call or SMS is initiated to a callee/relying party. In some embodiments, the callee, while receiving the call, observes the ANI or caller ID information on the call, and makes a request to the verification service provider to verify the call (e.g., to determine whether the observed ANI data is spoofed).

[0080] At 206, a verification request is received. For example, in some embodiments, in response to receiving a request from the callee entity to verify the call that is in progress, the verification service provider sends, to the device, a verification request. For example, in order to verify the ANI data or caller ID observed by the callee, the verification service provider sends a message using the observed ANI data or caller ID. If the observed phone number (indicated by ANI data or caller ID) has not been spoofed, then the device used to initiate the call to the callee will also receive the verification request.

[0081] In some embodiments, as described above, the channel that is used for the verification service request to the calling device is different from the initial, primary

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communication channel used by the calling device to make the call (e.g., a separate, different backchannel is used to make the verification service request). For example, while the phone call is made using an audio channel, the verification request may be made using SMS.

[0082] In other embodiments, the same channel as the primary communications channel is used to make the verification request. In some embodiments, if the same channel is used, then the verification request is encoded in the channel in a manner that is not noticeable to an end-user of the calling device. For example, if an audio call has been initiated, the verification request can be encoded as barely audible signals that are decoded by the device.

[0083] At 208, a response message is generated. For example, suppose that an SMS is received from the verification service provider. In response to the verification request, a message is generated that includes information used to verify the call made to the callee. For example, the response to the verification service provider can include information about the phone call being made, such as the start time of the call, device information, or a secret value or unique identifier that is known only by the device and the verification service provider. As another example, the information includes computed values that are computed, for example, using keys or codes that are known only to the device and verification provider. In some embodiments, the device hides the verification messages such that these are not displayed or otherwise made presentable to the user of the calling device.

[0084] At 210, the generated message is transmitted, for example, to the verification service provider. In some embodiments, the verification service provider validates the information and makes a security determination based on the validation. The security determination is then passed to the relying party. Upon receiving the security determination, the relying party makes a security decision as to whether the observed phone number (ANI data or Caller ID) is verified to be correct. If the number is verified, then the relying party determines that the authentication is successful, otherwise the authentication is rejected. The relying party can take various actions based on the verification result, as described above.

[0085] Various channels can be used to transmit the generated message. For example, in some embodiments, the generated message is transmitted using the second communication channel that was initiated by the verification service provider. As another example, the

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generated message is transmitted using the primary communication channel initiated between the caller device and the callee.

[0086] In some embodiments, the security determination (or any other appropriate information) is passed to the relying party automatically. In some embodiments, the security determination is provided in response to a query by the relying party. For example, because different channels may be used for the initial call, the verification request, and the response message, delays may occur in the verification service provider being able to provide security determination information to the relying party. In such a scenario, in some embodiments, the relying party is configured to query or poll the verification service provider for security determination information (e.g., periodically until the information is available, after a delay, etc.).

[0087] In some embodiments, the information is sent to the verification service provider at the time that the call is initiated, without being prompted by the verification service provider (e.g., the calling device initiates contact with the verification service provider). For example, the calling device includes an app that is configured to recognize that a call has been initiated, and automatically sends information about the call (e.g., start time, enrolled key, etc.) to the verification service provider. The verification service provider can then, for example, provide a security determination to a relying party (either by proactively sending the security determination to the relying party, or providing the security determination when it is requested by the relying party).

[0088] Figure 2B illustrates an embodiment of a process for verification of caller identification information. In some embodiments, process 220 is executed by verification service provider 120 and/or relying party 118 of Figure 1. The process begins at 222 when a query to verify a first communications connection involving a first entity is received, the first communications connection/channel associated with an observed caller ID of a contacting entity. For example, suppose that a callee receives a phone call purporting to be from an observed caller ID/ANI. In order to determine whether the number has been spoofed, the callee contacts the verification service provider to validate the ANI/caller ID.

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[0089] At 224, a message is transmitted to a device associated with the observed ANI using a second communications channel. For example, in some embodiments, as described above, a back channel is initiated by the verification service provider to communicate with a device associated with the observed ANI. In some embodiments, the message includes information that is difficult for a spoofing attacker to predict, such as a serial number, a counter, a pseudo-random or random number, a number specific to a particular session or device, etc. In some embodiments, the second communications channel is a backchannel that is different from the first communications connection/channel. In other embodiments, the second communications channel is a backchannel that is encoded in the first communications channel.

[0090] At 226, a response to the message is received. For example, a device such as phone 102 of Figure 1 captures the message and in reply, sends a message that makes a reference to at least a portion of the message sent by the verification services provider. In some embodiments, the response is received by the verification service provider directly from the device. In other embodiments, the response is received via another entity (e.g., the entity that was called and that requested the verification, as described above).

[0091] At 228, the response is evaluated to perform a security determination. For example, in some embodiments, it is verified whether the response corresponds to the transmitted message. If so, as described above, then a positive security determination is made. If an invalid response is received, or no response at all is received, for example, within a threshold amount of time, then a negative security determination is made. At 230, the security determination is provided to the first entity, which performs a decision based on the security determination (e.g., whether to authenticate the first communications connection).

[0092] Figure 3A illustrates an embodiment of a process for enrolling a device. In some embodiments, process 300 is executed by phone 102 of Figure 1. The process begins at 302, when an application, such as an "app" described above, installed on the device communicates with a verification service provider. For example, the application either initiates a call or sends an SMS to the phone number for the verification service provider. As described above, in some embodiments, the number is known to the application installed on the device.

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[0093] At 304, a response to the initial communication is received. For example, in some embodiments, the verification service provider returns the call or SMS with a call or SMS using, for example, a one-time passcode (OTP) as the verification service provider's caller ID, as described above. In some embodiments, the device processes the response, for example, capturing the caller ID that includes the OTP sent by the verification service provider.

At 306, a response is generated. For example, in response to the verification service provider's reply, the device is configured to generate and send back a set of information to the verification service provider. One example of information included in the set is device information. Another example of information included in the set is a unique ID. In some embodiments, the unique ID is computed dynamically and the device stores it locally for future communications with the verification service provider. Another example of information included in the set is the OTP value previously sent by the verification service provider. In some embodiments, sending back the previously transmitted OTP value allows the verification service provider to verify the phone number of the device (i.e., because the enrolling app sends back the OTP that was sent by the verification service provider to a particular phone number, proof is established that the app being enrolled is installed at a device with that particular phone number to which the OTP was sent). The verification service provider validates the OTP value and stores any device information and/or unique identifiers sent by the device. At 308, the generated response is transmitted, for example, to the verification service provider via a network connection.

[0094] Figure 3B illustrates an embodiment of a process for enrolling a device. In some embodiments, process 320 is executed by verification service provider 120 and/or relying party 118 of Figure 1. The process begins at 322, when contact is received from a telephonic device associated with an observed phone number. For example, when a user uses a banking app installed on their smartphone for the first time, the app automatically calls a known verification service provider. At 324, a reply to the contact that includes a first value is transmitted using the observed phone number. For example, in response to receiving the call from the app on the smartphone, the verification service provider sends an SMS reply including a one-time passcode (OTP). At 326, a set of information is received. For example, the verification service provider receives, from a device associated with the observed phone number/caller ID/ANI, a response

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that includes a set of information. For example, the app installed on the phone, in response to receiving the message from the verification service provider, sends back the OTP value that was sent, as well as device information and a unique identifier. At 328, the received set of information is validated. For example, if the received information includes the previously sent OTP value, then the verification service provider verifies that the app is installed on a device that has the phone number that was observed in the original contact. If the information is validated, the device/app is then enrolled. For example, any device information or unique identifiers sent by the device/app are stored (e.g., in a user record of the bank with which the app is associated).

[0095] ADDITIONAL EXAMPLES

[0096] Figures 4-14 illustrate example environments in which enrollment of a device and verification of automatic number information data (e.g., caller id) is performed.

[0097] Figure 4 illustrates an example of an environment in which verification of caller identification information is performed. In this example, a user 402 enters, at 414, a phone number (416) into a smartphone device 404 or selects a number 416 that is already stored on the smartphone to place a call or send an SMS to a relying party 410 (i.e., callee). In some embodiments, relying party 410 is an example of callee 118 of Figure 1. In this example, call placement unit 406, which, in some embodiments, is an example of call placement unit 108 of Figure 1, captures the entry or selection of the phone number 416. In some embodiments, call placement unit 406 checks, at 418, the phone number 416 against a list of monitored phone numbers stored in data storage 408. If the phone number 416 is found in storage 408, information about the call is sent, at 424, to verification service 412, which, in some embodiments, is an example of verification service provider 120 of Figure 1. In some embodiments, check 418 is not performed against storage 408 and all phone numbers are sent to the verification service 412. When the relying party 410 receives the call, SMS, or push notification (420), the relying party 410 can detect the incoming phone number 416 and query, at 422, the verification service 412 to verify the incoming call. One example of communication 422 between the verification service 412 and the relying party 410 is a secure internet connection. In other embodiments, the communication channel includes one or more of Wi-Fi,

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3G/4G network, Bluetooth, audio, SMS, phone call, RDMA, interprocess communication within the same system, or any other communication channel.

[0098] Figure 5 illustrates an example of an environment in which enrollment of a device is performed. In this example, user 502 connects their smartphone device 504 with verification service 510, which, in some embodiments, is an example of verification service provider 120 of Figure 1. In some embodiments, a default phone number (514) is provided. In other embodiments, user 502 enters (526) a phone number for another verification service. In this example, the number is called, or an SMS is sent, at 516, to verification service 510.

[0099] Verification service 510 captures the inbound phone number and returns (518) either a call or an SMS to the same number to verify the number. Inbound interceptor 506, which, in some embodiments, is a portion of a communications unit such as communication unit 104 of Figure 1, recognizes the return call from the verification service 510 and initiates a network connection (520) to deliver a unique device identifier that is then stored (522) into local storage 512 by the verification service 510. The unique identifier is also stored locally at the smartphone device, at 524, into data storage 508 on smartphone device 504 for subsequent communication with the verification service. Once connected to the verification service, the smartphone device 504 can be used with each relying party or callee (e.g., relying party 410 of Figure 4) that uses the verification service with no additional enrollment steps.

[00100] Figure 6 illustrates an example of an environment in which verification of caller identification information is performed. In this example, verification using an application installed on a smartphone device (also referred to herein as an "app") is described. In this example, a user 602 starts, at 612, an app 606 installed on a smartphone 604. In this example, the app is configured to connect, using connection 614, to the relying party 610 with an account identifier. The relying party 610 performs a look up (616) of the associated phone number in account information 618. If the phone number is not found in the account information 618 or is not current, in some embodiments, the app 606 prompts the user 602 to enter the number.

[00101] In the example shown, the relying party generates a unique one time passcode (OTP) and sends the OTP as the caller id or ANI via a phone call or SMS (620) to the user's smartphone 604. Inbound interceptor 608, which in some embodiments, is an example of a

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portion of a communications unit such as communication unit 104 in Figure 1, captures the caller id of the inbound call or SMS and passes it, at 622, to app 606. App 606 relays the unique identifier to relying party 610 via the already established connection 614, to confirm that app 606 is running on the smartphone 604 that matches the account phone number in the account information 618. In some embodiments, the app can generate a second unique value and pass it with the OTP via the established connection 614, and the relying party 610 can store this second unique value with the user's account information 618 to use as a secret device identifier for the account. In some embodiments, the value is used later as a seed for encrypted communication between the smartphone 604 and the relying party 610.

[00102] Figure 7 illustrates an example of an environment in which verification of caller identification information is performed. In this example, a user 702 uses, at 712, a smartphone 704 to make a phone call (714) to a relying party 708 (also referred to herein as the "callee"). Relying party 708 passes, at 716, the user's phone number to verification service 710. In this example, verification service 710 sends an SMS message, at 722, to smartphone device 704. Inbound interceptor 706, which is an example of a portion of a communication unit such as communication unit 104 of Figure 1, captures the incoming SMS and recognizes that the message is from verification service 710. Inbound interceptor 706 then replies, at 718, with the device information and information about the call in progress. In this example, the reply 718 is sent via a 3G/4G network, WiFi, SMS, or any other appropriate network. The verification service 710 then validates the device and call information and provides a validation result (720) to relying party 708.

[00103] Figure 8 illustrates an example of an environment in which verification of caller identification information is performed. In this example, a user 802 starts, at 814, an app (806) installed on a smartphone device 804 in order to make a phone call (816) to a relying party 810 (also referred to herein as the "callee"). The relying party 810 passes, at 818, the user's phone number (e.g., obtained from caller id/ANI data) to verification service 812. In this example, the verification service then sends an SMS message (826) to smartphone device 804.

[00104] Inbound Interceptor 808, which in some embodiments is an example of a portion of a communication unit such as communication unit 104 of Figure 1, captures the incoming

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SMS and recognizes the message is from verification service 812. Inbound interceptor 808 can query (820) the caller app 806 to verify the current call number and status. Interceptor 808 replies, at 822, to the verification service, with the device information and information about the call in progress. In various embodiments, reply 822 is sent via a channel that includes one or more of a 3G/4G network, WiFi, SMS, or any other appropriate communication channel. The verification service then validates the device and call information and provides a validation result (824) to the relying party.

[00105] Figure 9 illustrates an example of an environment in which verification of caller identification information is performed. In the example shown, a user (902) starts/initiates a phone call at 914 through communication unit 906. In various embodiments, communication unit 906 is one or more of a communication unit such as communication unit 104 of Figure 1 and an app, such as app 806 of Figure 8, that are installed on smartphone device 904 and used to make a phone call (916) to relying party 910 (also referred to herein as the "callee").

[00106] In the example shown, relying party 910 passes, at 918, the user's phone number (the phone number indicated via caller id or ANI data that is observed by the relying party) to verification service 912. The verification service sends, at 920, an SMS message or other communication with a unique identifier to smartphone device 904. In various embodiments, the unique identifier includes one or more of a number, phrase, tone, or any other appropriate unique identifier.

[00107] Inbound interceptor 908, which in some embodiments, is an example of a portion of a communication unit such as communication unit 104 of Figure 1, captures the incoming message (920) and recognizes that the message is from verification service 912. The inbound interceptor extracts the unique identifier from message 920 and passes it (924) to communication unit 906.

[00108] In this example, the communication unit 906 inserts the unique identifier into the already open communication channel 916 to the relying party. In one embodiment, if communication channel 916 is an audio call, the unique identifier is then converted into a tone or spoken phrase (e.g., using text to speech) that is inserted into the audio call. The relying party 910 can capture the unique identifier and pass it to the verification service (912) for evaluation.

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[00109] The verification service 912 then verifies that the unique identifier is the expected result and sends a reply 922 to the relying party 910. In various embodiments, request (918), reply 922, and communication 920 with inbound interceptor 908 are sent via one or more of a 3G/4G network, WiFi, SMS, or any other appropriate communication channel/network.

[00110] Figure 10 illustrates an example of an environment in which verification of caller identification information is performed. In the example shown, a phone call is started (1010) by a user 1002 through a communication unit 1006 (which, in some embodiments, is an example of a communication unit such as communication unit 104 of Figure 1) on smartphone device 1004 in order to make a phone call (over communication channel 1012) to relying party 1018.

[00111] In the example shown, the relying party (or an entity associated with the relying party) generates a unique identifier, which includes one or more of a number, phrase, tone, or any other appropriate unique identifier. The relying party passes the unique identifier to the user's device 1004 via a second communication channel (1014), such as short message service (SMS).

[00112] Inbound interceptor 1008, which in some embodiments, is an example portion of a communication unit such as communication 104 of Figure 1, captures the incoming message sent via channel 1014 and recognizes that the message is from the relying party. The inbound interceptor extracts the unique identifier from message sent via channel 1014 and passes it, at 1016, to the communication unit 1006.

[00113] In the example shown, the communication unit 1006 inserts the unique identifier into the already open communication channel 1012 to the relying party. In one embodiment, using the already open communication channel 1012, the unique identifier is converted by the inbound interceptor 1008 into a tone or spoken phrase using text to speech, which is then inserted into communication channel 1012. The relying party receives the unique identifier, decodes, and verifies that it matches the expected value that was sent in message sent via channel 1014.

[00114] Figure 11 illustrates an example of an environment in which verification of caller identification information is performed. In the example shown, a phone call 1114 to relying

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party 1112 is started by a communication unit 1108, which, in some embodiments, is an example of a communication unit such as communication unit 104 of Figure 1. In this example, communication unit 1108 is a part of app 1106 installed on smartphone device 1104. In the example shown, the phone call is initiated when a user (1102) selects a phone number from a list that is already stored (e.g., in data store 1110) on the smartphone device.

[00115] Prior to, simultaneously, or immediately after starting call 1114, communication unit 1108 sends information to the relying party that is associated with the user-selected or provided phone number. The sent information includes information about the call, including one or more of a device identifier, call start time, and number called, that is sent via another communication path 1116 (which can be a network connection, SMS, etc.). The relying party compares the call information from the second path 1116 with the ANI observed on the first path to verify the source of the call.

[00116] Figure 12 illustrates an example of an environment in which verification of caller identification information is performed. In the example shown, a phone call (made over communication path 1214) to relying party 1212 is started by a communication unit 1208, which in some embodiments, is an example of a communication unit such as communication unit 104 of Figure 1. In the example shown, communication unit 1208 is a component of app 1206. In this example, the phone call is started when a user 1202 selects, at 1216, a phone number from a list that is already stored in data storage 1210 of telephonic device 1204. Once the relying party answers call 1214, the communication unit 1208 sends information to the relying party about the call, including one or more of a device identifier, call start time, and number called. In the example shown, the information is sent, via the same communication path 1214, as one of more of an audible series of tones, an audible voice, as sounds that are not noticeable to the user, etc. The relying party detects and validates the received call information against the ANI sent by the caller.

[00117] Figure 13 illustrates an example of an environment in which verification of caller identification information is performed. In the example shown, app 1306 installed on smartphone device 1304 has been previously connected to an account at relying party 1310. The relying party account is accessed, at 1312, by computing device 1308, such as a desktop or

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laptop, when a user (1302) attempts, at 1324, to log into the account. The relying party recognizes the account and contacts, at 1314, app 1306 on the associated user's device 1304. The user's device requests, at 1316, that the user confirm the account access. The user, at 1318, either confirms or denies the access via the app. The app provides the confirmation (1320) back to the relying party, which, at 1322, grants or denies access via the computing device.

[00118] Figure 14 illustrates an example of an environment in which verification of caller identification information is performed. In this example, app 1406 installed on smartphone 1404 places a phone call (1412) to relying party 1408 when a user (1402) enters a phone number at 1414. In this example, the app modifies the caller id or ANI of call 1412 to be a unique identifier that can be decoded by the relying party. The unique identifier is decoded by retrieving, at 1416, information that was previously stored in data storage 1410 when the instance of app 1406 was enrolled with the relying party.

[00119] Although the foregoing embodiments have been described in some detail for purposes of clarity of understanding, the invention is not limited to the details provided. There are many alternative ways of implementing the invention. The disclosed embodiments are illustrative and not restrictive.

[00120] WHAT IS CLAIMED IS:

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ABSTRACT OF THE DISCLOSURE

Verifying caller identification information is described. A query to verify a first communications connection associated with an observed caller ID is received. Using a second communications channel, a message to a device associated with the observed caller ID is transmitted. A response to the message is received. The message is evaluated to perform a security determination. The security determination is provided as output.

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CLAIMS

1. A system, comprising:

a verification service provider, configured to, using one or more processors:

enroll a first device with the verification service provider, wherein enrolling the first device includes associating, by the verification service provider, the first device with device information comprising at least one of a software identifier, an embedded hardware identifier, and a device fingerprint, wherein the device fingerprint is generated based at least in part on a set of configuration information associated with the first device;

store, at the verification service provider, the device information associated with the first device;

obtain, at the verification service provider, information transmitted by a second device associated with a communications connection;

perform, at the verification service provider, a security determination at least in part by determining whether the obtained information transmitted by the second device matches at least a portion of the stored device information associated with the enrolled first device; and

based at least in part on the security determination, select an action comprising at least one of blocking the communication, requesting additional authentication, and permitting the communication.

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
17/228,566	04/12/2021	Bjorn Markus Jakobsson	MJAKP016C3

CONFIRMATION NO. 1684

21912
VAN PELT, YI & JAMES LLP
10050 N. FOOTHILL BLVD #200
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FORMALITIES LETTER

OC000000124975890

Date Mailed: 04/20/2021

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

Items Required To Avoid Abandonment:

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

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

SUMMARY OF FEES DUE:

The fee(s) required within **TWO MONTHS** from the date of this Notice to avoid abandonment is/are itemized below. Small entity discount is in effect. If applicant is qualified for micro entity status, an acceptable Certification of Micro Entity Status must be submitted to establish micro entity status. (See 37 CFR 1.29 and forms PTO/SB/15A and 15B.)

- $ **80** basic filing fee.
- $ **80** surcharge.
- $ **350** search fee.
- $ **400** examination fee.
- $(**0**) previous unapplied payment amount.
- $ **910** TOTAL FEE BALANCE DUE.

Items Required To Avoid Processing Delays:

Applicant is notified that the above-identified application contains the deficiencies noted below. No period for reply is set forth in this notice for correction of these deficiencies. However, if a deficiency relates to the inventor's

oath or declaration, the applicant must file an oath or declaration in compliance with 37 CFR 1.63, or a substitute statement in compliance with 37 CFR 1.64, executed by or with respect to each actual inventor no later than the expiration of the time period set in the "Notice of Allowability" to avoid abandonment. See 37 CFR 1.53(f).

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

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

Replies should be mailed to:

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

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/jmilani/

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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
17/228,566	04/12/2021	2653	0.00	MJAKP016C3	1	1

CONFIRMATION NO. 1684

21912
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FILING RECEIPT

OC000000124975889

Date Mailed: 04/20/2021

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

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Inventor(s)

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Applicant(s)

RightQuestion, LLC, Portola Valley, CA;

Power of Attorney: None

Domestic Priority data as claimed by applicant

This application is a CON of 16/785,423 02/07/2020
which is a CON of 16/180,373 11/05/2018 PAT 10674009
which is a CON of 14/535,064 11/06/2014 PAT 10694029
which claims benefit of 61/901,322 11/07/2013

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

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If Required, Foreign Filing License Granted: 04/19/2021

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 17/228,566**

Projected Publication Date: To Be Determined - pending completion of Missing Parts

Non-Publication Request: No

Early Publication Request: No

** **SMALL ENTITY** **

Title

VALIDATING AUTOMATIC NUMBER IDENTIFICATION DATA

Preliminary Class

379

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

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Title 35, United States Code, Section 184

Title 37, Code of Federal Regulations, 5.11 & 5.15

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PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number: 17/228,566

APPLICATION AS FILED - PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	SMALL ENTITY RATE($)	SMALL ENTITY FEE($)	OR	OTHER THAN SMALL ENTITY RATE($)	OTHER THAN SMALL ENTITY FEE($)
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	80		N/A	
SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A	350		N/A	
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	400		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	1 minus 20 =	*	x 50 =	0.00	OR		
INDEPENDENT CLAIMS (37 CFR 1.16(h))	1 minus 3 =	*	x 240 =	0.00			
APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			0.00			
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				0.00			
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL	830		TOTAL	

APPLICATION AS AMENDED - PART II

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

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

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

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

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

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

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

PTO/AIA/82A (07-13)
Approved for use through 11/30/2014. OMB 0651-0051
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FOR POWER OF ATTORNEY TO ONE OR MORE REGISTERED PRACTITIONERS

NOTE: This form is to be submitted with the Power of Attorney by Applicant form (PTO/AIA/82B) 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	17/228,566
Filing Date	April 12, 2021
First Named Inventor	Bjorn Markus Jakobsson
Title	VALIDATING AUTOMATIC NUMBER IDENTIFICATION DATA
Art Unit	2653
Examiner Name	Not Assigned
Attorney Docket Number	MJAKP016C3

SIGNATURE of Applicant or Patent Practitioner

Signature	/Yeu-Ting George Cheng/	Date (Optional)	
Name	Yeu-Ting George Cheng	Registration Number	69408
Title (if Applicant is a juristic entity)			
Applicant Name (if Applicant is a juristic entity)			

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

☑ *Total of 1 forms are submitted.

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.

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

PTO/AIA/82B (07-13)
Approved for use through 11/30/2014. OMB 0651-0051
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

POWER OF ATTORNEY BY APPLICANT

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

Application Number	Filing Date

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

☑ 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: 21912

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):

RightQuestion, 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 (Optional)	
Name	Bjorn Markus Jakobsson		
Title	Manager		

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

☐ Total of forms are submitted.

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

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

DECLARATION
FOR ORIGINAL U.S. PATENT APPLICATION

Attorney's Docket No. MJAKP016

As a below-named inventor, I hereby declare that:

I believe that I am the original inventor (if only one name is listed below) or an original joint inventor (if plural names are listed below) of a claimed invention in the application entitled: **VALIDATING AUTOMATIC NUMBER IDENTIFICATION DATA**, the specification of which,

(check one) 1. ☐ is attached hereto.

2. ☒ was filed on November 6, 2014 as U.S. Application No. 14/535,064 and was amended on _____.

3. ☐ was filed on _____ as International PCT Application No. _____ and was amended on _____.

I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

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

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

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

Full name of sole or first inventor	Bjorn Markus Jakobsson	
Signature of sole or first inventor		Date: Dec 8 '14

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0073

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.:	17/228,566	Examiner:	Not Assigned
Filed:	April 12, 2021	Art Unit:	2653
Confirmation No.:	1684	Docket No.:	MJAKP016C3
First Inventor:	Bjorn Markus Jakobsson		
Title:	VALIDATING AUTOMATIC NUMBER IDENTIFICATION DATA		

RESPONSE TO NOTICE TO FILE MISSING PARTS

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

Sir:

This is a Response to the Notice to File Missing Parts mailed April 20, 2021.

Application Elements:

☒ Declaration
- ☐ Newly executed (original or copy)
- ☒ Copy from a prior application (37 CFR 1.63(d) for a continuation or divisional). The entire disclosure of the prior application from which a copy of the declaration is herein supplied is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
  - ☐ Deletion of inventors Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).

Accompanying Application Parts:

☒ Information Disclosure Statement with Form PTO/SB/08 ☒ Copies of IDS Citations
☒ Preliminary Amendment (*New claims numbered after highest original claim in prior application.*)
☒ Power of Attorney with ☒ Transmittal ☐ Statement Under 37 CFR 3.73
☐ Other:

Amendments

☐ Cancel in this application original claims _____ of the prior application before calculating the filing fee. (*At least one original independent claim must be retained.*)

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0074

Fee Calculation (37 CFR § 1.16)

				Small Entity			Large Entity	
				Rate	Fee		Rate	Fee
Filing Fees				x $80=$	80	OR	x $320=$	
Search Fees				x $350=$	350	OR	x $700=$	
Examination Fees				x $400=$	400	OR	x $800=$	
CLAIMS	Filed		Extra					
Total	16	Less 20	0	X $50= $	0	OR	x $100=$	
Independent	1	Less 3	0	x $240=$	0	OR	x $480=$	
Multiple Dependent Claims			-0-	x $430=$	0	OR	x $860=$	
Declaration and Surcharge Fee				x $80=$	80	OR	x $160=$	
Processing fee under Rule 1.17(i) to correct inventorship				x $70=$	0	OR	x $140=$	
				TOTAL FILING FEE $	**910**		TOTAL FILING FEE $	

☐ Applicants petition for an extension of time to respond under 37 CFR § 1.136(a) as follows:

	SMALL ENTITY			LARGE ENTITY	
	Rate	Add'l Fee		Rate	Add'l Fee
☐ Extension for Response within FIRST month	x $110=$		OR	x $220=$	
☐ Extension for Response within SECOND month	x $320=$		OR	x $640=$	
☐ Extension for Response within THIRD month	x $740=$		OR	x $1480=$	
☐ Extension for Response within FOURTH month	x $1160=$		OR	x $2320=$	
☐ Extension for Response within FIFTH month	x $1580=$		OR	x $3160=$	

☒ Please charge Deposit Account No. 50-0685 (MJAKP016C3) in the amount of $910.00 to cover the filing fees, the additional claim fee, if any, and/or extension of time fees.

General Authorizations

☒ Applicants hereby make and generally authorize any Petitions for Extensions of Time as needed for this or any subsequent filings. The Commissioner is also authorized to charge any extension fees under 37 CFR §1.17 as needed to Deposit Account No. 50-0685 (Order No. MJAKP016C3).

☒ The Commissioner is given general authorization to charge any fees or to credit any overpayment during the pendency of this application to Deposit Account No. 50-0685 (Order No. MJAKP016C3).

☒ Please send correspondence to the following address:

Customer No. 21912
VAN PELT, YI & JAMES LLP
10050 N. Foothill Blvd., Suite 200
Cupertino, CA 95014

Dated: May 7, 2021

/Yeu-Ting George Cheng/
Yeu-Ting George Cheng
Registration No. 69408

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0075

Electronic Patent Application Fee Transmittal

Application Number:	17228566
Filing Date:	12-Apr-2021
Title of Invention:	VALIDATING AUTOMATIC NUMBER IDENTIFICATION DATA
First Named Inventor/Applicant Name:	Bjorn Markus Jakobsson
Filer:	Yeu-Ting George Cheng/Elaine Nguyen
Attorney Docket Number:	MJAKP016C3

Filed as Small Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
UTILITY FILING FEE (ELECTRONIC FILING)	4011	1	80	80
UTILITY SEARCH FEE	2111	1	350	350
UTILITY EXAMINATION FEE	2311	1	400	400
Pages:				
Claims:				
Miscellaneous-Filing:				
LATE FILING FEE FOR OATH OR DECLARATION	2051	1	80	80
Petition:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
		Total in USD ($)		**910**

Electronic Acknowledgement Receipt

EFS ID:	42666175
Application Number:	17228566
International Application Number:	
Confirmation Number:	1684
Title of Invention:	VALIDATING AUTOMATIC NUMBER IDENTIFICATION DATA
First Named Inventor/Applicant Name:	Bjorn Markus Jakobsson
Customer Number:	21912
Filer:	Yeu-Ting George Cheng/Elaine Nguyen
Filer Authorized By:	Yeu-Ting George Cheng
Attorney Docket Number:	MJAKP016C3
Receipt Date:	07-MAY-2021
Filing Date:	12-APR-2021
Time Stamp:	14:19:41
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	$910
RAM confirmation Number	E202157E20080818
Deposit Account	500685
Authorized User	Elaine Nguyen

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	Applicant Response to Pre-Exam Formalities Notice	MJAKP016C3_MP_Transmittal.pdf	105403 e42b09e21d8633da99c5c9bbc4b9df3d45af18af	no	2
Warnings:					
Information:					
2	Oath or Declaration filed	MJAKP016C3_Executed_Dec.pdf	234600 97c62a491bd9888df0095512ff8f78f20e306c8f	no	1
Warnings:					
Information:					
3	Power of Attorney	MJAKP016C3_POA_AIA82A.pdf	168621 7b7e9d1e7c6f2c7f6d5f1c821809bd48d4498c55	no	1
Warnings:					
Information:					
4	Power of Attorney	MJAK_Executed_POA_AIA82B_RightQuestionLLC.pdf	387899 a756b6df61aa99188ddec71473eefbe19a844b6f	no	1
Warnings:					
Information:					
5	Preliminary Amendment	MJAKP016C3_AMD_A_PRE.pdf	109747 b40ae0da98a36b56f9d6c88ad21f64b937178f18	no	6
Warnings:					
Information:					
6	Transmittal Letter	MJAKP016C3_IDS_01_Transmittal.pdf	77860 2511c9590e0bc1048a600aaeef753a2897b40fb7	no	2
Warnings:					
Information:					

7	Information Disclosure Statement (IDS) Form (SB08)	MJAKP016C3_IDS_01_SB08.pdf	1058684 28502098c26d4e4ef637c80f0a963f09402bfd11	no	13
Warnings:					
Information:					
8	Transmittal Letter	MJAKP016C3_IDS_02_Transmittal.pdf	77862 92c1a49a15532708312d09d76b7a32742110a076	no	2
Warnings:					
Information:					
9	Information Disclosure Statement (IDS) Form (SB08)	MJAKP016C3_IDS_02_SB08.pdf	1058947 92c9600f4fae19f08f04f40d86ccc3175b4733fc	no	13
Warnings:					
Information:					
10	Transmittal Letter	MJAKP016C3_IDS_03_Transmittal.pdf	77858 4f4a4b9b35bc9657b7c1237226d7a881928e3257	no	2
Warnings:					
Information:					
11	Information Disclosure Statement (IDS) Form (SB08)	MJAKP016C3_IDS_03_SB08.pdf	1055066 fc2d2c234ebf9d1dd9f0435d6f26616e08bdac15	no	9
Warnings:					
Information:					
12	Transmittal Letter	MJAKP016C3_IDS_04_Transmittal.pdf	77859 8f53eda8133985a8897cb0bb38a533ae8a5e25e8	no	2
Warnings:					
Information:					
13	Information Disclosure Statement (IDS) Form (SB08)	MJAKP016C3_IDS_04_SB08.pdf	1057591 72a7936181d714e91250360bb0c648001c21317f	no	18
Warnings:					
Information:					

14	Information Disclosure Statement (IDS) Form (SB08)	MJAKP016C3_IDS_05_SB08.pdf	1053152 26d5c06b5d28b44008a1b4ce93c395ad0b4dd888	no	4
Warnings:					
Information:					
15	Non Patent Literature	Search_Query_Report_from_IP_4-8-2021.pdf	100917 0925792a0ae9ed765e2afaa0b2aeb4a6de76f87e	no	5
Warnings:					
Information:					
16	Fee Worksheet (SB06)	fee-info.pdf	37410 cc427887a33d19409429230d344380236e11cd57	no	2
Warnings:					
Information:					
			Total Files Size (in bytes):	6739476	

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.

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number	17228566
Filing Date	2021-04-12
First Named Inventor	Bjorn Markus Jakobsson
Art Unit	2653
Examiner Name	Not Assigned
Attorney Docket Number	MJAKP016C3

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	9747455		2017-08-29	MCCLINTOCK JON ARRON	

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	20060018466		2006-01-26	ADELSTEIN FRANK	
	2	20170134423		2017-05-11	SYSMAN DEAN	
	3	20170223034		2017-08-03	SINGH ABHISHEK	

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

FOREIGN PATENT DOCUMENTS Remove

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number	17228566
Filing Date	2021-04-12
First Named Inventor	Bjorn Markus Jakobsson
Art Unit	2653
Examiner Name	Not Assigned
Attorney Docket Number	MJAKP016C3

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

NON-PATENT LITERATURE DOCUMENTS [Remove]

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]
	1	Search Query Report from IP.com (performed 4/8/2021) (Year: 2021).	

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

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

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

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number	17228566
Filing Date	2021-04-12
First Named Inventor	Bjorn Markus Jakobsson
Art Unit	2653
Examiner Name	Not Assigned
Attorney Docket Number	MJAKP016C3

CERTIFICATION STATEMENT

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

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

OR

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

See attached certification statement.

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

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Yeu-Ting George Cheng/	Date (YYYY-MM-DD)	2021-05-07
Name/Print	Yeu-Ting George Cheng	Registration Number	69408

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

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

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

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

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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

Application No.:	17/228,566	Examiner:	Not Assigned
Filed:	April 12, 2021	Art Unit:	2653
Confirmation No.:	1684	Docket No.:	MJAKP016C3
First Inventor:	Bjorn Markus Jakobsson		
Title:	VALIDATING AUTOMATIC NUMBER IDENTIFICATION DATA		

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR §§1.56 AND 1.97(B) BEFORE MAILING OF A FIRST OFFICE ACTION

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

Dear Sir:

The references listed in the attached PTO SB/08 may be material to examination of the above-identified patent application. Applicants disclose the list of these references in compliance with their duty of disclosure pursuant to 37 CFR §§1.56 and 1.97. The Examiner is requested to make these references of official record in this application. The above-identified application is a continuation of prior application U.S. Patent Application No. 16/785,423, which is a continuation of prior application U.S. Patent Application No. 16/180,373, which is a continuation of prior application U.S. Patent Application No. 14/535,064. These prior applications are being relied upon for an earlier filing date under 35 U.S.C. § 120. Because the listed references were either cited by the PTO, or submitted to the PTO in the prior applications, under 37 CFR §1.98(d), Applicants submit that copies need not be provided.

This Information Disclosure Statement is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that these references indeed constitute prior art.

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0086

This Information Disclosure Statement is being filed (1) with the above-referenced application or (2) within three months of the filing date of the above-referenced application or (3) before the mailing date of a first Office Action on the merits or (4) before the mailing date of a first Office Action after filing of a Request for Continued Examination. Accordingly, it is believed that no fees are due in connection with the filing of this Information Disclosure Statement. However, if it is determined that any fees are due, the Commissioner is hereby authorized to charge such fees to Deposit Account 50-0685 (Order No. MJAKP016C3).

Respectfully submitted,

Dated: May 7, 2021

/Yeu-Ting George Cheng/
Yeu-Ting George Cheng
Registration No. 69408
408-207-4765

VAN PELT, YI & JAMES LLP
10050 N. Foothill Blvd., Suite 200
Cupertino, CA 95014
Fax 408-973-2595

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number	17228566
Filing Date	2021-04-12
First Named Inventor	Bjorn Markus Jakobsson
Art Unit	2653
Examiner Name	Not Assigned
Attorney Docket Number	MJAKP016C3

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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	20090157708		2009-06-18	BANDINI JEAN-CHRISTOPHE DENIS	
	2	20090210708		2009-08-20	CHOU JESSE	
	3	20090228583		2009-09-10	POCKLINGTON RICHARD	
	4	20090252159		2009-10-08	LAWSON JEFFREY	
	5	20090260064		2009-10-15	MCDOWELL JOEL RICHARD	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)		
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	Art Unit	2653
	Examiner Name	Not Assigned
	Attorney Docket Number	MJAKP016C3

	6	20090292781		2009-11-26	TENG WEI-CHUNG	
	7	20090319629		2009-12-24	DE GUERRE JAMES ALLAN	
	8	20100005191		2010-01-07	DRAKO DEAN	
	9	20100030798		2010-02-04	KUMAR MOHAN	
	10	20100043071		2010-02-18	WANG TAK YIN	
	11	20100054443		2010-03-04	BHATTIPROLU SUKADEV	
	12	20100070761		2010-03-18	GUSTAVE CHRISTOPHE	
	13	20100077483		2010-03-25	STOLFO SALVATORE J	
	14	20100082758		2010-04-01	GOLAN TAL	
	15	20100094887		2010-04-15	YE JINGJUN	
	16	20100095374		2010-04-15	GILLUM ELIOT C	

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	17	20100115040		2010-05-06	SARGENT JAMES	
	18	20100145900		2010-06-10	ZHENG LEI	
	19	20100198928		2010-08-05	ALMEIDA JOHN	
	20	20100235636		2010-09-16	COHEN RAM	
	21	20100257222		2010-10-07	HAMILTON II RICK A	
	22	20100287246		2010-11-11	KLOS THOMAS	
	23	20100293382		2010-11-18	HAMMAD AYMAN	
	24	20100299399		2010-11-25	WANSER KELLY	
	25	20100313253		2010-12-09	REISS WALTER STANLEY	
	26	20110061089		2011-03-10	O'SULLIVAN PATRICK J	
	27	20110066687		2011-03-17	CHEN DANNY YEN-FU	

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	Attorney Docket Number	MJAKP016C3

	28	20110087485		2011-04-14	MAUDE PETER	
	29	20110145152		2011-06-16	MCCOWN STEVEN HARVEY	
	30	20110191688		2011-08-04	HASEGAWA NOBUHIKO	
	31	20110191847		2011-08-04	DAVIS MALCOLM H	
	32	20110214187		2011-09-01	WITTENSTEIN ANDREAS	
	33	20110271349		2011-11-03	KAPLAN MICHAEL GREGOR	
	34	20110294478		2011-12-01	TRIVI JEAN-MICHEL	
	35	20120030293		2012-02-02	BOBOTEK ALEXANDER	
	36	20120084866		2012-04-05	STOLFO SALVATORE J	
	37	20120102566		2012-04-26	VRANCKEN BART	
	38	20120136780		2012-05-31	EL-AWADY KHALID	

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	39	20120167233		2012-06-28	GILLUM ELIOT C	
	40	20120191615		2012-07-26	SCHIBUK NORMAN	
	41	20120192258		2012-07-26	SPENCER RON	
	42	20120204032		2012-08-09	WILKINS JOHN	
	43	20120204221		2012-08-09	MONJAS LLORENTE MIGUEL ANGEL	
	44	20120227104		2012-09-06	SINHA AMIT	
	45	20120242488		2012-09-27	WILSON ERIC EDWARD	
	46	20120246725		2012-09-27	OSIPKOV IVAN	
	47	20120253810		2012-10-04	SUTTON TIMOTHY S	
	48	20120278694		2012-11-01	WASHIO SUGURU	
	49	20120311703		2012-12-06	YANOVSKY BORIS	

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	1	2011100489	JP		2011-05-19	BANK OF TOKYO MITSUBISHI UFJ		

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	1	Toopher: https://web.archive.org/web/20120430105502/http://toopher.com/. April 30, 2012	
	2	Toopher: Toopher Developer Documentation; https://web.archive.org/web/20120523192419/https://www.toopher.com/developers.html. May 23, 2012	
	3	TYAGI et al., "Traceback for End-to-End Encrypted Messaging" CCS '19: Proceeding of 2019 ACM SIGSAC Conference on Computer and Communications Security. pp 4134-430 (Year: 2019)	
	4	U.S. Provisional Patent Application No. 61/551,370 filed October 25, 2011	

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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.

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Examiner Name	Not Assigned
Attorney Docket Number	MJAKP016C3

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First Named Inventor	Bjorn Markus Jakobsson
Art Unit	2653
Examiner Name	Not Assigned
Attorney Docket Number	MJAKP016C3

CERTIFICATION STATEMENT

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

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

OR

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

See attached certification statement.

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

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Yeu-Ting George Cheng/	Date (YYYY-MM-DD)	2021-05-07
Name/Print	Yeu-Ting George Cheng	Registration Number	69408

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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First Named Inventor	Bjorn Markus Jakobsson
Art Unit	2653
Examiner Name	Not Assigned
Attorney Docket Number	MJAKP016C3

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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	6073142		2000-06-06	GEIGER FRED J	
	2	6161130		2000-12-12	HORVITZ ERIC	
	3	6574658		2003-06-03	GABBER ERAN	
	4	6721784		2004-04-13	LEONARD JON N	
	5	7194618		2007-03-20	SUOMINEN EDWIN A	
	6	7293063		2007-11-06	SOBEL WILLIAM E	
	7	7299261		2007-11-20	OLIVER JONATHAN J	
	8	7464408		2008-12-09	SHAH BAKUL	

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	Art Unit	2653
	Examiner Name	Not Assigned
	Attorney Docket Number	MJAKP016C3

	9	7631193		2009-12-08	HOFFMAN NED	
	10	7644274		2010-01-05	JAKOBSSON BJORN MARKUS	
	11	7668951		2010-02-23	LUND PETER K	
	12	7748038		2010-06-29	OLIVIER MICHAEL	
	13	7797752		2010-09-14	VAIDYA VIMAL	
	14	7809795		2010-10-05	COOLEY SHAUN	
	15	7809796		2010-10-05	BLOCH ERIC	
	16	7814545		2010-10-12	OLIVER JONATHAN J	
	17	7831522		2010-11-09	SATISH SOURABH	
	18	7854007		2010-12-14	SPROSTS CRAIG	
	19	7890358		2011-02-15	DUTTA RABINDRANATH	

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	20	7899213		2011-03-01	OTSUKA YUJI	
	21	7899866		2011-03-01	BUCKINGHAM JAY T	
	22	7917655		2011-03-29	COOMER GRAHAM	
	23	7941842		2011-05-10	PRINCE MATTHEW B	
	24	8010614		2011-08-30	MUSAT CLAUDIU C N	
	25	8131655		2012-03-06	COSOI ALEXANDRU C	
	26	8214490		2012-07-03	VOS JACOB	
	27	8230505		2012-07-24	AHRENS DAVID	
	28	8255572		2012-08-28	COOMER GRAHAM	
	29	8365258		2013-01-29	DISPENSA STEVEN	
	30	8489689		2013-07-16	SHARMA VIPUL	

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	Examiner Name	Not Assigned
	Attorney Docket Number	MJAKP016C3

	31	8560962		2013-10-15	WANG JAMES H	
	32	8566938		2013-10-22	PRAKASH GAGAN	
	33	8572184		2013-10-29	COSOI CATALIN A	
	34	8583915		2013-11-12	HUANG ANDREW SHANE	
	35	8667069		2014-03-04	CONNELLY MICHAEL	
	36	8667074		2014-03-04	FARKAS BRADFORD L	
	37	8667581		2014-03-04	STEEVES DAVID J	
	38	8676155		2014-03-18	FAN JAMES	
	39	8719940		2014-05-06	HIGBEE AARON	
	40	8752172		2014-06-10	DOTAN YEDIDYA	
	41	8769684		2014-07-01	STOLFO SALVATORE J	

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	Examiner Name	Not Assigned
	Attorney Docket Number	MJAKP016C3

	42	8813228		2014-08-19	MAGEE JOSEPH C	
	43	8832202		2014-09-09	YOSHIOKA TAKASHI	
	44	8880604		2014-11-04	CHEN XIAO YAN	
	45	8904524		2014-12-02	HODGMAN ROY	
	46	8931041		2015-01-06	BANERJEE DEB	
	47	8949353		2015-02-03	BEGUIN JULIEN	
	48	8959163		2015-02-17	LEDET DAVID GERARD	
	49	8984640		2015-03-17	EMIGH AARON T	
	50	8996042		2015-03-31	HANNIGAN MICHAEL K	
	51	9027134		2015-05-05	FOSTER JAMES C	
	52	9060057		2015-06-16	DANIS SERDAR ARTUN	

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	Application Number	17228566
	Filing Date	2021-04-12
	First Named Inventor	Bjorn Markus Jakobsson
	Art Unit	2653
	Examiner Name	Not Assigned
	Attorney Docket Number	MJAKP016C3

	53	9118653		2015-08-25	NIMASHAKAVI KIRANKUMAR	
	54	9154514		2015-10-06	PRAKASH GAGAN	
	55	9245115		2016-01-26	JAKOBSSON BJORN MARKUS	
	56	9258314		2016-02-09	XIAO FEI	
	57	9277049		2016-03-01	DANIS SERDAR ARTUN	
	58	9332022		2016-05-03	ASHLEY PETER	
	59	9338026		2016-05-10	BANDINI JEAN-CHRISTOPHE DENIS	
	60	9338287		2016-05-10	RUSSO RICHARD J	
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	62	9473437		2016-10-18	JAKOBSSON BJORN MARKUS	
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	Art Unit	2653
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	Attorney Docket Number	MJAKP016C3

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	65	9560506		2017-01-31	GUDLAVENKATASIVA BHASKAR R	
	66	9602508		2017-03-21	MAHAFFEY KEVIN PATRICK	
	67	9613341		2017-04-04	SHIVAKUMAR SHAILESH KUMAR	
	68	9654492		2017-05-16	MAYLOR JACKIE	
	69	9781149		2017-10-03	HIMLER ALAN	
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(Not for submission under 37 CFR 1.99)

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First Named Inventor	Bjorn Markus Jakobsson
Art Unit	2653
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Attorney Docket Number	MJAKP016C3

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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	20130036455		2013-02-07	BODI MIKLOS TAMAS	
	2	20130060905		2013-03-07	MICKENS JAMES	
	3	20130067012		2013-03-14	MATZKEL BEN	
	4	20130081142		2013-03-28	MCDOUGAL MONTY D	
	5	20130083129		2013-04-04	THOMPSON MICHAEL D	
	6	20130086645		2013-04-04	SRINIVASAN VENKATARAMAN UPPILI	
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	Examiner Name	Not Assigned
	Attorney Docket Number	MJAKP016C3

	10	20130185775		2013-07-18	DISPENSA STEPHEN T	
	11	20130263226		2013-10-03	SUDIA FRANK W	
	12	20130305318		2013-11-14	DELUCA LISA SEACAT	
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	16	20140007238		2014-01-02	MAGEE JOSEPH C	
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	18	20140187203		2014-07-03	BOMBACINO VINICIO	
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	20	20140214895		2014-07-31	HIGGINS JOHN M	

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	22	20140245396		2014-08-28	OBERHEIDE JON	
	23	20140250506		2014-09-04	HALLAM-BAKER PHILLIP MARTIN	
	24	20140258420		2014-09-11	DENT TERRILL MARK	
	25	20140259158		2014-09-11	BANK OF AMERICA CORPORATION	
	26	20140317697		2014-10-23	NIMASHAKAVI KIRANKUMAR	
	27	20140340822		2014-11-20	LAL DHANANJAY	
	28	20140366144		2014-12-11	ALPEROVITCH DMITRI	
	29	20150030156		2015-01-29	PEREZ JOHN S	
	30	20150033343		2015-01-29	JIANG WU	
	31	20150067833		2015-03-05	VERMA RAKESH	

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	Attorney Docket Number	MJAKP016C3

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	33	20150100896		2015-04-09	SHMAROVOZ GEORGII VALENTINOVICH	
	34	20150113627		2015-04-23	CURTIS WILLIAM ALLEN	
	35	20150148006		2015-05-28	SKUDLARK ANN E	
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	39	20150236990		2015-08-20	SHAN YI	
	40	20150288714		2015-10-08	EMIGH AARON T	
	41	20150326510		2015-11-12	TOMLINSON MARTIN	
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	Examiner Name	Not Assigned
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	49	20160087925		2016-03-24	KALAVAGATTU ARAVIND	
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	55	20170078321		2017-03-16	MAYLOR JACKIE	
	56	20170085584		2017-03-23	GOUTAL SEBASTIEN	
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	58	20170126661		2017-05-04	BRANNON JONATHAN BLAKE	
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	62	20170324767		2017-11-09	SRIVASTAVA MANOJ KUMAR	
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	74	20190095498		2019-03-28	SRINIVASAN SUDHIR KUMAR	
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	77	20200067861		2020-02-27	LEDDY WILLIAM J	
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	1	2018213457	WO		2018-11-22	MARKUS BJORN JAKOBSSON		

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	Examiner Name	Not Assigned
	Attorney Docket Number	MJAKP016C3

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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.

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(Not for submission under 37 CFR 1.99)

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Filing Date	2021-04-12
First Named Inventor	Bjorn Markus Jakobsson
Art Unit	2653
Examiner Name	Not Assigned
Attorney Docket Number	MJAKP016C3

CERTIFICATION STATEMENT

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

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

OR

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

See attached certification statement.

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

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Yeu-Ting George Cheng/	Date (YYYY-MM-DD)	2021-05-07
Name/Print	Yeu-Ting George Cheng	Registration Number	69408

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

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

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

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

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

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

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

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

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

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

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

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

REMARKS

Claim 1 has been cancelled. Claims 2-17 have been added. Claims 2-17 are pending. No new matter has been added.

New Claims

Support for new Claim 2 may be found, without limitation, in Paragraphs [0022], [0024], [0049], [0052], [0056], [0083]-[0084], and [0088]-[0091] of the Specification.

Support for new Claim 3 may be found, without limitation, in Paragraph [0022] of the Specification.

Support for new Claim 4 may be found, without limitation, in Paragraph [0049] of the Specification.

Support for new Claim 5 may be found, without limitation, in Paragraph [0024] of the Specification.

Support for new Claim 6 may be found, without limitation, in Paragraph [0062] of the Specification.

Support for new Claim 7 may be found, without limitation, in Paragraph [0084] of the Specification.

Support for new Claim 8 may be found, without limitation, in Paragraph [0031] of the Specification.

Support for new Claim 9 may be found, without limitation, in Paragraph [0043] of the Specification.

Support for new Claim 10 may be found, without limitation, in Paragraphs [0043] and [0065] of the Specification.

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AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0115

Support for new Claim 11 may be found, without limitation, in Paragraph [0044] of the Specification.

Support for new Claim 12 may be found, without limitation, in Paragraphs [0046]-[0047] of the Specification.

Support for new Claim 13 may be found, without limitation, in Paragraph [0047] of the Specification.

Support for new Claim 14 may be found, without limitation, in Paragraphs [0048]-[0049] of the Specification.

Support for new Claim 15 may be found, without limitation, in Paragraph [0049] of the Specification.

Support for new Claim 16 may be found, without limitation, in Paragraph [0058] of the Specification.

Support for new Claim 17 may be found, without limitation, in Paragraph [0049] of the Specification.

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0116

The foregoing amendments are not to be taken as an admission of unpatentability of any of the claims prior to the amendments.

Reconsideration of the application and allowance of all claims are respectfully requested based on the preceding remarks. If at any time the Examiner believes that an interview would be helpful, please contact the undersigned.

Respectfully submitted,

Dated: May 7, 2021

/Yeu-Ting George Cheng/
Yeu-Ting George Cheng
Registration No. 69408
408-207-4765

VAN PELT, YI & JAMES LLP
10050 N. Foothill Blvd., Suite 200
Cupertino, CA 95014
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EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0117

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.:	17/228,566	Examiner:	Not Assigned
Filed:	April 12, 2021	Art Unit:	2653
Confirmation No.:	1684	Docket No.:	MJAKP016C3
First Inventor:	Bjorn Markus Jakobsson		
Title:	VALIDATING AUTOMATIC NUMBER IDENTIFICATION DATA		

PRELIMINARY AMENDMENT A

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

Dear Sir:

Prior to the examination of the application on the merits, please amend the application as follows:

Applicant(s) believe that no (additional) fees are required beyond any fees submitted herewith. If required fees are missing or any additional fees are required during the pendency of the subject application, please charge such fees or credit any overpayment to Deposit Account No. 50-0685 (MJAKP016C3).

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
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IN THE CLAIMS

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

Listing of Claims:

1. (Cancelled)

2. (New) A method, comprising:

receiving information pertaining to a call initiated by a caller device, wherein the information pertaining to the call comprises data related to (1) a phone number associated with a callee device, and (2) device information associated with the caller device;

performing a security determination based at least in part on at least one value associated with the caller device; and

transmitting a result of the security determination to a relying party, wherein based at least in part on the result of the security determination, the relying party performs an action comprising at least one of: blocking the call, permitting the call, conveying an assurance to the callee device, or conveying caller identifier information to the callee device.

3. (New) The method of claim 2, wherein the security determination is based at least in part on a policy.

4. (New) The method of claim 2, wherein the device information associated with the caller device comprises a unique identifier.

5. (New) The method of claim 2, wherein the device information associated with the caller device comprises Automated Number Identification (ANI) information.

6. (New) The method of claim 2, wherein the security determination is based at least in part on a reputation score associated with the caller device.

7. (New) The method of claim 2, wherein the security determination is based at least in part on a validation of the information pertaining to the call.

8. (New) The method of claim 2, further comprising storing, in a data store, at least one record including contents associated with the caller device.

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9. (New) The method of claim 2, further comprising storing, in a data store, at least one certificate used to validate the call.

10. (New) The method of claim 2, wherein the call is validated at least in part by using at least one of a secret key or a public key.

11. (New) The method of claim 2, wherein the security determination is based at least in part on execution of a rule.

12. (New) The method of claim 2, wherein the security determination is based at least in part on a timestamp associated with the call.

13. (New) The method of claim 12, further comprising detecting a replay attack based at least in part on the timestamp.

14. (New) The method of claim 2, wherein the result of the security determination comprises a score indicating a validity of a phone number associated with the caller device.

15. (New) The method of claim 2, wherein the security determination is risk-based.

16. (New) The method of claim 2, wherein the device information associated with the caller device is not conveyed to the relying party.

17. (New) The method of claim 2, wherein the device information associated with the caller device comprises at least one of a unique software identifier, a semi-unique software identifier, an embedded hardware identifier, or a user-added hardware identifier.

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AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
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First Named Inventor	Bjorn Markus Jakobsson
Art Unit	2653
Examiner Name	Not Assigned
Attorney Docket Number	MJAKP016C3

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	Art Unit	2653
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	Attorney Docket Number	MJAKP016C3

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	Attorney Docket Number	MJAKP016C3

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EXAMINER SIGNATURE

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Art Unit	2653
Examiner Name	Not Assigned
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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).

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See attached certification statement.

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

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Yeu-Ting George Cheng/	Date (YYYY-MM-DD)	2021-05-07
Name/Print	Yeu-Ting George Cheng	Registration Number	69408

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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Application No.:	17/228,566	Examiner:	Not Assigned
Filed:	April 12, 2021	Art Unit:	2653
Confirmation No.:	1684	Docket No.:	MJAKP016C3
First Inventor:	Bjorn Markus Jakobsson		
Title:	VALIDATING AUTOMATIC NUMBER IDENTIFICATION DATA		

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR §§1.56 AND 1.97(B) BEFORE MAILING OF A FIRST OFFICE ACTION

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Dear Sir:

The references listed in the attached PTO SB/08 may be material to examination of the above-identified patent application. Applicants disclose the list of these references in compliance with their duty of disclosure pursuant to 37 CFR §§1.56 and 1.97. The Examiner is requested to make these references of official record in this application. The above-identified application is a continuation of prior application U.S. Patent Application No. 16/785,423, which is a continuation of prior application U.S. Patent Application No. 16/180,373, which is a continuation of prior application U.S. Patent Application No. 14/535,064. These prior applications are being relied upon for an earlier filing date under 35 U.S.C. § 120. Because the listed references were either cited by the PTO, or submitted to the PTO in the prior applications, under 37 CFR §1.98(d), Applicants submit that copies need not be provided.

This Information Disclosure Statement is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that these references indeed constitute prior art.

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This Information Disclosure Statement is being filed (1) with the above-referenced application or (2) within three months of the filing date of the above-referenced application or (3) before the mailing date of a first Office Action on the merits or (4) before the mailing date of a first Office Action after filing of a Request for Continued Examination. Accordingly, it is believed that no fees are due in connection with the filing of this Information Disclosure Statement. However, if it is determined that any fees are due, the Commissioner is hereby authorized to charge such fees to Deposit Account 50-0685 (Order No. MJAKP016C3).

Respectfully submitted,

Dated: May 7, 2021

/Yeu-Ting George Cheng/
Yeu-Ting George Cheng
Registration No. 69408
408-207-4765

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0135

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.:	17/228,566	Examiner:	Not Assigned
Filed:	April 12, 2021	Art Unit:	2653
Confirmation No.:	1684	Docket No.:	MJAKP016C3
First Inventor:	Bjorn Markus Jakobsson		
Title:	VALIDATING AUTOMATIC NUMBER IDENTIFICATION DATA		

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR §§1.56 AND 1.97(B) BEFORE MAILING OF A FIRST OFFICE ACTION

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

Dear Sir:

The references listed in the attached PTO SB/08 may be material to examination of the above-identified patent application. Applicants disclose the list of these references in compliance with their duty of disclosure pursuant to 37 CFR §§1.56 and 1.97. The Examiner is requested to make these references of official record in this application. The above-identified application is a continuation of prior application U.S. Patent Application No. 16/785,423, which is a continuation of prior application U.S. Patent Application No. 16/180,373, which is a continuation of prior application U.S. Patent Application No. 14/535,064. These prior applications are being relied upon for an earlier filing date under 35 U.S.C. § 120. Because the listed references were either cited by the PTO, or submitted to the PTO in the prior applications, under 37 CFR §1.98(d), Applicants submit that copies need not be provided.

This Information Disclosure Statement is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that these references indeed constitute prior art.

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
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This Information Disclosure Statement is being filed (1) with the above-referenced application or (2) within three months of the filing date of the above-referenced application or (3) before the mailing date of a first Office Action on the merits or (4) before the mailing date of a first Office Action after filing of a Request for Continued Examination. Accordingly, it is believed that no fees are due in connection with the filing of this Information Disclosure Statement. However, if it is determined that any fees are due, the Commissioner is hereby authorized to charge such fees to Deposit Account 50-0685 (Order No. MJAKP016C3).

Respectfully submitted,

Dated: May 7, 2021

/Yeu-Ting George Cheng/
Yeu-Ting George Cheng
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EX-1002
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PTO/SB/08a (02-18)
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Attorney Docket Number	MJAKP016C3

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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
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	2	10277628		2019-04-30	JAKOBSSON BJORN MARKUS	

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Attorney Docket Number	MJAKP016C3

CERTIFICATION STATEMENT

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

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

OR

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

See attached certification statement.

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

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Yeu-Ting George Cheng/	Date (YYYY-MM-DD)	2021-05-07
Name/Print	Yeu-Ting George Cheng	Registration Number	69408

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

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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

Application No.:	17/228,566	Examiner:	Not Assigned
Filed:	April 12, 2021	Art Unit:	2653
Confirmation No.:	1684	Docket No.:	MJAKP016C3
First Inventor:	Bjorn Markus Jakobsson		
Title:	VALIDATING AUTOMATIC NUMBER IDENTIFICATION DATA		

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR §§1.56 AND 1.97(B) BEFORE MAILING OF A FIRST OFFICE ACTION

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

Dear Sir:

The references listed in the attached PTO SB/08 may be material to examination of the above-identified patent application. Applicants disclose the list of these references in compliance with their duty of disclosure pursuant to 37 CFR §§1.56 and 1.97. The Examiner is requested to make these references of official record in this application. The above-identified application is a continuation of prior application U.S. Patent Application No. 16/785,423, which is a continuation of prior application U.S. Patent Application No. 16/180,373, which is a continuation of prior application U.S. Patent Application No. 14/535,064. These prior applications are being relied upon for an earlier filing date under 35 U.S.C. § 120. Because the listed references were either cited by the PTO, or submitted to the PTO in the prior applications, under 37 CFR §1.98(d), Applicants submit that copies need not be provided.

This Information Disclosure Statement is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that these references indeed constitute prior art.

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0151

This Information Disclosure Statement is being filed (1) with the above-referenced application or (2) within three months of the filing date of the above-referenced application or (3) before the mailing date of a first Office Action on the merits or (4) before the mailing date of a first Office Action after filing of a Request for Continued Examination. Accordingly, it is believed that no fees are due in connection with the filing of this Information Disclosure Statement. However, if it is determined that any fees are due, the Commissioner is hereby authorized to charge such fees to Deposit Account 50-0685 (Order No. MJAKP016C3).

Respectfully submitted,

Dated: May 7, 2021

/Yeu-Ting George Cheng/
Yeu-Ting George Cheng
Registration No. 69408
408-207-4765

VAN PELT, YI & JAMES LLP
10050 N. Foothill Blvd., Suite 200
Cupertino, CA 95014
Fax 408-973-2595

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0152

PTO/SB/06 (09-11)
Approved for use through 1/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 17/228,566	Filing Date 04/12/2021	☐ To be Mailed

ENTITY: ☑ LARGE ☐ SMALL ☐ MICRO

APPLICATION AS FILED - PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA		RATE ($)	FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A		N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A		N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*		x $100 =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*		x $480 =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).				
☐ 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	05/07/2021	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 16	Minus	** 20	= 0		x $100 =	0
	Independent (37 CFR 1.16(h))	* 1	Minus	*** 3	= 0		x $480 =	0
	☐ Application Size Fee (37 CFR 1.16(s))							
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							
							TOTAL ADD'L FEE	0

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

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.	LIE
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".	/RENEE D HAWKINS/
*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".	
The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.	

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

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

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
17/228,566	04/12/2021	Bjorn Markus Jakobsson	MJAKP016C3

CONFIRMATION NO. 1684

21912
VAN PELT, YI & JAMES LLP
10050 N. FOOTHILL BLVD #200
CUPERTINO, CA 95014

POA ACCEPTANCE LETTER

OC000000125473120

Date Mailed: 05/11/2021

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 05/07/2021.

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

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

/ebekele/

PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number: 17/228,566

APPLICATION AS FILED - PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	SMALL ENTITY RATE($)	SMALL ENTITY FEE($)	OR	OTHER THAN SMALL ENTITY RATE($)	OTHER THAN SMALL ENTITY FEE($)
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	80		N/A	
SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A	350		N/A	
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	400		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	16 minus 20 =	*	x 50 =	0.00	OR		
INDEPENDENT CLAIMS (37 CFR 1.16(h))	1 minus 3 =	*	x 240 =	0.00			
APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).			0.00			
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))				0.00			
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL	830		TOTAL	

APPLICATION AS AMENDED - PART II

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

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

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

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

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

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

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UNITED STATES DEPARTMENT OF COMMERCE
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www.uspto.gov

APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
17/228,566	04/12/2021	2653	910	MJAKP016C3	16	1

CONFIRMATION NO. 1684

UPDATED FILING RECEIPT

21912
VAN PELT, YI & JAMES LLP
10050 N. FOOTHILL BLVD #200
CUPERTINO, CA 95014

OC000000125473256

Date Mailed: 05/11/2021

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

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

Inventor(s)

Bjorn Markus Jakobsson, Portola Valley, CA;

Applicant(s)

RightQuestion, LLC, Portola Valley, CA;

Power of Attorney: The patent practitioners associated with Customer Number 21912

Domestic Priority data as claimed by applicant

This application is a CON of 16/785,423 02/07/2020 PAT 11005989
which is a CON of 16/180,373 11/05/2018 PAT 10674009
which is a CON of 14/535,064 11/06/2014 PAT 10694029
which claims benefit of 61/901,322 11/07/2013

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: 04/19/2021

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 17/228,566**

Projected Publication Date: 08/19/2021

Non-Publication Request: No

Early Publication Request: No

** **SMALL ENTITY** **

Title

VALIDATING AUTOMATIC NUMBER IDENTIFICATION DATA

Preliminary Class

379

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

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

LICENSE FOR FOREIGN FILING UNDER

Title 35, United States Code, Section 184

Title 37, Code of Federal Regulations, 5.11 & 5.15

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

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

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

NOT GRANTED

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

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
17/228,566	04/12/2021	Bjorn Markus Jakobsson	MJAKP016C3

CONFIRMATION NO. 1684

21912
VAN PELT, YI & JAMES LLP
10050 N. FOOTHILL BLVD #200
CUPERTINO, CA 95014

PUBLICATION NOTICE

OC000000127827890

Title:VALIDATING AUTOMATIC NUMBER IDENTIFICATION DATA

Publication No.US-2021-0258421-A1
Publication Date:08/19/2021

NOTICE OF PUBLICATION OF APPLICATION

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

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

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

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

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

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

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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	17228566
Filing Date	2021-04-12
First Named Inventor	Bjorn Markus Jakobsson
Art Unit	OPAP
Examiner Name	Docket Central
Attorney Docket Number	MJAKP016C3

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	8238532		2012-08-07	COX PATRICK M	
	2	9001985		2015-04-07	COX PATRICK M	
	3	9871913		2018-01-16	SAITAWDEKAR SHREYAS DATTATRAYA	

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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					

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FOREIGN PATENT DOCUMENTS Remove

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number	17228566
Filing Date	2021-04-12
First Named Inventor	Bjorn Markus Jakobsson
Art Unit	OPAP
Examiner Name	Docket Central
Attorney Docket Number	MJAKP016C3

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

NON-PATENT LITERATURE DOCUMENTS [Remove]

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]
	1		

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

EXAMINER SIGNATURE

Examiner Signature		Date Considered	

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

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number	17228566
Filing Date	2021-04-12
First Named Inventor	Bjorn Markus Jakobsson
Art Unit	OPAP
Examiner Name	Docket Central
Attorney Docket Number	MJAKP016C3

CERTIFICATION STATEMENT

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

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

OR

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

See attached certification statement.

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

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Yeu-Ting George Cheng/	Date (YYYY-MM-DD)	2022-02-10
Name/Print	Yeu-Ting George Cheng	Registration Number	69408

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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EFS ID:	44964334
Application Number:	17228566
International Application Number:	
Confirmation Number:	1684
Title of Invention:	VALIDATING AUTOMATIC NUMBER IDENTIFICATION DATA
First Named Inventor/Applicant Name:	Bjorn Markus Jakobsson
Customer Number:	21912
Filer:	Yeu-Ting George Cheng/Elaine Nguyen
Filer Authorized By:	Yeu-Ting George Cheng
Attorney Docket Number:	MJAKP016C3
Receipt Date:	10-FEB-2022
Filing Date:	12-APR-2021
Time Stamp:	12:24:56
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	Information Disclosure Statement (IDS) Form (SB08)	MJAKP016C3_IDS_06_SB08.pdf	1053052 e1e594b30b71fdee00ac1b1c82ed1a2ef39459a3	no	4

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

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.

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/228,566	Jakobsson, Bjorn Markus
	Examiner	Art Unit
	AKELAW A TESHALE	2653

CPC - Searched*		
Symbol	Date	Examiner
H04M3/42042 OR H04M3/382 OR H04W4/14 OR H04M2201/18 OR H04M2203/6045	04/13/2022	AT

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

Search Notes		
Search Notes	Date	Examiner
Inventor name search (PE2E)	04/13/2022	AT
PE2E search (US-PGPUB; USPAT; USOCR)	04/13/2022	AT
Please see PE2E search	04/18/2022	AT

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

/AKELAW TESHALE/ Primary Examiner, Art Unit 2653	

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0167

Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
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Art Unit	2653
Examiner Name	Not Assigned
Attorney Docket Number	MJAKP016C3

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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
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	2	6161130		2000-12-12	HORVITZ ERIC	
	3	6574658		2003-06-03	GABBER ERAN	
	4	6721784		2004-04-13	LEONARD JON N	
	5	7194618		2007-03-20	SUOMINEN EDWIN A	
	6	7293063		2007-11-06	SOBEL WILLIAM E	
	7	7299261		2007-11-20	OLIVER JONATHAN J	
	8	7464408		2008-12-09	SHAH BAKUL	

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	9	7631193		2009-12-08	HOFFMAN NED	
	10	7644274		2010-01-05	JAKOBSSON BJORN MARKUS	
	11	7668951		2010-02-23	LUND PETER K	
	12	7748038		2010-06-29	OLIVIER MICHAEL	
	13	7797752		2010-09-14	VAIDYA VIMAL	
	14	7809795		2010-10-05	COOLEY SHAUN	
	15	7809796		2010-10-05	BLOCH ERIC	
	16	7814545		2010-10-12	OLIVER JONATHAN J	
	17	7831522		2010-11-09	SATISH SOURABH	
	18	7854007		2010-12-14	SPROSTS CRAIG	
	19	7890358		2011-02-15	DUTTA RABINDRANATH	

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	20	7899213		2011-03-01	OTSUKA YUJI	
	21	7899866		2011-03-01	BUCKINGHAM JAY T	
	22	7917655		2011-03-29	COOMER GRAHAM	
	23	7941842		2011-05-10	PRINCE MATTHEW B	
	24	8010614		2011-08-30	MUSAT CLAUDIU C N	
	25	8131655		2012-03-06	COSOI ALEXANDRU C	
	26	8214490		2012-07-03	VOS JACOB	
	27	8230505		2012-07-24	AHRENS DAVID	
	28	8255572		2012-08-28	COOMER GRAHAM	
	29	8365258		2013-01-29	DISPENSA STEVEN	
	30	8489689		2013-07-16	SHARMA VIPUL	

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	31	8560962		2013-10-15	WANG JAMES H	
	32	8566938		2013-10-22	PRAKASH GAGAN	
	33	8572184		2013-10-29	COSOI CATALIN A	
	34	8583915		2013-11-12	HUANG ANDREW SHANE	
	35	8667069		2014-03-04	CONNELLY MICHAEL	
	36	8667074		2014-03-04	FARKAS BRADFORD L	
	37	8667581		2014-03-04	STEEVES DAVID J	
	38	8676155		2014-03-18	FAN JAMES	
	39	8719940		2014-05-06	HIGBEE AARON	
	40	8752172		2014-06-10	DOTAN YEDIDYA	
	41	8769684		2014-07-01	STOLFO SALVATORE J	

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Examiner Name	Not Assigned
Attorney Docket Number	MJAKP016C3

	42	8813228		2014-08-19	MAGEE JOSEPH C	
	43	8832202		2014-09-09	YOSHIOKA TAKASHI	
	44	8880604		2014-11-04	CHEN XIAO YAN	
	45	8904524		2014-12-02	HODGMAN ROY	
	46	8931041		2015-01-06	BANERJEE DEB	
	47	8949353		2015-02-03	BEGUIN JULIEN	
	48	8959163		2015-02-17	LEDET DAVID GERARD	
	49	8984640		2015-03-17	EMIGH AARON T	
	50	8996042		2015-03-31	HANNIGAN MICHAEL K	
	51	9027134		2015-05-05	FOSTER JAMES C	
	52	9060057		2015-06-16	DANIS SERDAR ARTUN	

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Art Unit	2653
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Attorney Docket Number	MJAKP016C3

	53	9118653		2015-08-25	NIMASHAKAVI KIRANKUMAR	
	54	9154514		2015-10-06	PRAKASH GAGAN	
	55	9245115		2016-01-26	JAKOBSSON BJORN MARKUS	
	56	9258314		2016-02-09	XIAO FEI	
	57	9277049		2016-03-01	DANIS SERDAR ARTUN	
	58	9332022		2016-05-03	ASHLEY PETER	
	59	9338026		2016-05-10	BANDINI JEAN-CHRISTOPHE DENIS	
	60	9338287		2016-05-10	RUSSO RICHARD J	
	61	9471714		2016-10-18	IWASAKI NARUTAKA	
	62	9473437		2016-10-18	JAKOBSSON BJORN MARKUS	
	63	9491155		2016-11-08	JOHANSSON JESPER MIKAEL	

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	First Named Inventor	Bjorn Markus Jakobsson
	Art Unit	2653
	Examiner Name	Not Assigned
	Attorney Docket Number	MJAKP016C3

	64	9501639		2016-11-22	STOLFO SALVATORE J	
	65	9560506		2017-01-31	GUDLAVENKATASIVA BHASKAR R	
	66	9602508		2017-03-21	MAHAFFEY KEVIN PATRICK	
	67	9613341		2017-04-04	SHIVAKUMAR SHAILESH KUMAR	
	68	9654492		2017-05-16	MAYLOR JACKIE	
	69	9781149		2017-10-03	HIMLER ALAN	
	70	9800589		2017-10-24	ASVEREN TOLGA	
	71	9847973		2017-12-19	JAKOBSSON BJORN MARKUS	
	72	9906554		2018-02-27	HIGBEE AARON	
	73	9910984		2018-03-06	VALENCIA ANDRES	
	74	9940482		2018-04-10	NICHOLS TAMBRA	

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Attorney Docket Number	MJAKP016C3

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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	20130036455		2013-02-07	BODI MIKLOS TAMAS	
	2	20130060905		2013-03-07	MICKENS JAMES	
	3	20130067012		2013-03-14	MATZKEL BEN	
	4	20130081142		2013-03-28	MCDOUGAL MONTY D	
	5	20130083129		2013-04-04	THOMPSON MICHAEL D	
	6	20130086645		2013-04-04	SRINIVASAN VENKATARAMAN UPPILI	
	7	20130104198		2013-04-25	GRIM EVAN TYLER	
	8	20130128883		2013-05-23	LAWSON JEFFREY G	
	9	20130173712		2013-07-04	MONJAS LLORENTE MIGUEL ANGEL	

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	Examiner Name	Not Assigned
	Attorney Docket Number	MJAKP016C3

	10	20130185775		2013-07-18	DISPENSA STEPHEN T	
	11	20130263226		2013-10-03	SUDIA FRANK W	
	12	20130305318		2013-11-14	DELUCA LISA SEACAT	
	13	20130318580		2013-11-28	GUDLAVENKATASIVA BHASKAR R	
	14	20130340079		2013-12-19	GOTTLIEB YITZCHAK	
	15	20130346528		2013-12-26	SHINDE RAJESH	
	16	20140007238		2014-01-02	MAGEE JOSEPH C	
	17	20140082726		2014-03-20	DRELLER BRYAN P	
	18	20140187203		2014-07-03	BOMBACINO VINICIO	
	19	20140189808		2014-07-03	MAHAFFEY KEVIN PATRICK	
	20	20140214895		2014-07-31	HIGGINS JOHN M	

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	21	20140230061		2014-08-14	HIGBEE AARON	
	22	20140245396		2014-08-28	OBERHEIDE JON	
	23	20140250506		2014-09-04	HALLAM-BAKER PHILLIP MARTIN	
	24	20140258420		2014-09-11	DENT TERRILL MARK	
	25	20140259158		2014-09-11	BANK OF AMERICA CORPORATION	
	26	20140317697		2014-10-23	NIMASHAKAVI KIRANKUMAR	
	27	20140340822		2014-11-20	LAL DHANANJAY	
	28	20140366144		2014-12-11	ALPEROVITCH DMITRI	
	29	20150030156		2015-01-29	PEREZ JOHN S	
	30	20150033343		2015-01-29	JIANG WU	
	31	20150067833		2015-03-05	VERMA RAKESH	

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	32	20150081722		2015-03-19	TERADA TAKEAKI	
	33	20150100896		2015-04-09	SHMAROVOZ GEORGII VALENTINOVICH	
	34	20150113627		2015-04-23	CURTIS WILLIAM ALLEN	
	35	20150148006		2015-05-28	SKUDLARK ANN E	
	36	20150156154		2015-06-04	RUSSELL DANIEL M	
	37	20150172233		2015-06-18	SHE ZHIYONG	
	38	20150216413		2015-08-06	SOYAO GRACE CASTILLO	
	39	20150236990		2015-08-20	SHAN YI	
	40	20150288714		2015-10-08	EMIGH AARON T	
	41	20150326510		2015-11-12	TOMLINSON MARTIN	
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	43	20150363839		2015-12-17	ZOLTY BARRY	
	44	20150371212		2015-12-24	GIORDANO JOSEPH	
	45	20150381653		2015-12-31	Proofpoint, Inc.	
	46	20160012222		2016-01-14	STOLFO SALVATORE J	
	47	20160014151		2016-01-14	PRAKASH GAGAN	
	48	20160037270		2016-02-04	POLINSKE BEAU JAY	
	49	20160087925		2016-03-24	KALAVAGATTU ARAVIND	
	50	20160094566		2016-03-31	PAREKH SANJAY M	
	51	20160104132		2016-04-14	ABBATIELLO PIERPAOLO	
	52	20160225897		2016-08-04	SRIDHAR SEETHARAMAN	
	53	20160269437		2016-09-15	MCDOUGAL MONTY D	

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	54	20170005961		2017-01-05	McAfee, Inc.	
	55	20170078321		2017-03-16	MAYLOR JACKIE	
	56	20170085584		2017-03-23	GOUTAL SEBASTIEN	
	57	20170091274		2017-03-30	GUO SONGTAO	
	58	20170126661		2017-05-04	BRANNON JONATHAN BLAKE	
	59	20170195310		2017-07-06	TYLER SIMON PAUL	
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	61	20170251006		2017-08-31	LAROSA VINCENT JAY	
	62	20170324767		2017-11-09	SRIVASTAVA MANOJ KUMAR	
	63	20170331816		2017-11-16	VOTAW ELIZABETH S	
	64	20170331824		2017-11-16	PENDER MARK A	

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	65	20180041491		2018-02-08	GUPTA LOKESH	
	66	20180041515		2018-02-08	GUPTA LOKESH	
	67	20180091453		2018-03-29	JAKOBSSON BJORN MARKUS	
	68	20180097841		2018-04-05	STOLARZ DAMIEN PHELAN	
	69	20180131686		2018-05-10	BRANNON JONATHAN BLAKE	
	70	20180160387		2018-06-07	CHASTAIN WALTER COOPER	
	71	20180184289		2018-06-28	DUDLEY WILLIAM	
	72	20180343246		2018-11-29	BENAYED MOHAMED KARIM	
	73	20190012478		2019-01-10	NARAYANASWAMY KRISHNA	
	74	20190095498		2019-03-28	SRINIVASAN SUDHIR KUMAR	
	75	20190095516		2019-03-28	SRINIVASAN SUDHIR KUMAR	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number	17228566
Filing Date	2021-04-12
First Named Inventor	Bjorn Markus Jakobsson
Art Unit	2653
Examiner Name	Not Assigned
Attorney Docket Number	MJAKP016C3

	76	20190306237		2019-10-03	SRINIVASAN SUDHIR KUMAR	
	77	20200067861		2020-02-27	LEDDY WILLIAM J	
	78	20200076817		2020-03-05	GUPTA LOKESH	
	79	20200244638		2020-07-30	GUPTA LOKESH	
	80	20200264860		2020-08-20	SRINIVASAN SUDHIR KUMAR	
	81	20200265062		2020-08-20	SRINIVASAN SUDHIR KUMAR	

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Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2]	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1	2018213457	WO		2018-11-22	MARKUS BJORN JAKOBSSON		

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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]

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Art Unit	2653
Examiner Name	Not Assigned
Attorney Docket Number	MJAKP016C3

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[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.

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CERTIFICATION STATEMENT

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See attached certification statement.

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

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Yeu-Ting George Cheng/	Date (YYYY-MM-DD)	2021-05-07
Name/Print	Yeu-Ting George Cheng	Registration Number	69408

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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.

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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.

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Bibliographic Data

Application No: 17/228,566

Foreign Priority claimed: ○ Yes ◉ No

35 USC 119 (a-d) conditions met: ☐ Yes ☑ No ☐ Met After Allowance

Verified and Acknowledged: /AKELAW TESHALE/ Examiner's Signature | Initials

Title: VALIDATING AUTOMATIC NUMBER IDENTIFICATION DATA

FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
04/12/2021	379	2653	MJAKP016C3
RULE			

APPLICANTS

RightQuestion, LLC, Portola Valley, CA, UNITED STATES

INVENTORS

Bjorn Markus Jakobsson, Portola Valley, CA, UNITED STATES

CONTINUING DATA

This application is a CON of 16785423 02/07/2020 PAT 11005989

16785423 is a CON of 16180373 11/05/2018 PAT 10674009

16180373 is a CON of 14535064 11/06/2014 PAT 10694029

14535064 has PRO of 61901322 11/07/2013

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CUPERTINO, CA 95014
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Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
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Art Unit	2653
Examiner Name	Not Assigned
Attorney Docket Number	MJAKP016C3

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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	9747455		2017-08-29	MCCLINTOCK JON ARRON	

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	1	20060018466		2006-01-26	ADELSTEIN FRANK	
	2	20170134423		2017-05-11	SYSMAN DEAN	
	3	20170223034		2017-08-03	SINGH ABHISHEK	

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Attorney Docket Number	MJAKP016C3

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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	Search Query Report from IP.com (performed 4/8/2021) (Year: 2021).	

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Signature	/Yeu-Ting George Cheng/	Date (YYYY-MM-DD)	2021-05-07
Name/Print	Yeu-Ting George Cheng	Registration Number	69408

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Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

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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	10122715		2018-11-06	DISPENSA STEPHEN T	
	2	10277628		2019-04-30	JAKOBSSON BJORN MARKUS	

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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	20020138271		2002-09-26	SHAW ERIC D	
	2	20020184315		2002-12-05	EARNEST JERRY BRETT	
	3	20030009694		2003-01-09	WENOCUR MICHAEL L	
	4	20030023736		2003-01-30	ABKEMEIER KURT	

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	5	20030200108		2003-10-23	MALNOE MICHEL	
	6	20030225850		2003-12-04	TEAGUE ALAN H	
	7	20030229672		2003-12-11	KOHN DANIEL	
	8	20030236845		2003-12-25	PITSOS ERRIKOS	
	9	20040073617		2004-04-15	MILLIKEN WALTER CLARK	
	10	20040148358		2004-07-29	SINGH TARVINDER P	
	11	20040176072		2004-09-09	GELLENS RANDALL	
	12	20040177120		2004-09-09	KIRSCH STEVEN T	
	13	20040203589		2004-10-14	WANG JIWEI	
	14	20040215977		2004-10-28	GOODMAN JOSHUA T	
	15	20050021649		2005-01-27	GOODMAN JOSHUA	

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Examiner Name	Not Assigned
Attorney Docket Number	MJAKP016C3

	16	20050033810		2005-02-10	MALCOLM JERRY WALTER	
	17	20050060643		2005-03-17	GLASS JEFFREY	
	18	20050076084		2005-04-07	LOUGHMILLER SCOTT	
	19	20050076240		2005-04-07	APPLEMAN BARRY	
	20	20050080857		2005-04-14	KIRSCH STEVEN T	
	21	20050091320		2005-04-28	KIRSCH STEVEN	
	22	20050097320		2005-05-05	GOLAN LIOR	
	23	20050182735		2005-08-18	ZAGER ROBERT	
	24	20050188023		2005-08-25	DOAN CHRISTOPHER	
	25	20050188045		2005-08-25	KATSIKAS PETER L	
	26	20050198173		2005-09-08	EVANS ALEXANDER W	

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	27	20050216587		2005-09-29	JOHN JOSEPH W	
	28	20050223076		2005-10-06	BARRUS WILLIAM	
	29	20050235065		2005-10-20	LE YANQUN	
	30	20050257261		2005-11-17	SHRAIM IHAB	
	31	20050283837		2005-12-22	OLIVIER MICHAEL	
	32	20060004772		2006-01-05	HAGAN THOMAS	
	33	20060015563		2006-01-19	JUDGE PAUL	
	34	20060026242		2006-02-02	KUHLMANN JOHN H	
	35	20060031306		2006-02-09	HAVERKOS TODD	
	36	20060037075		2006-02-16	FRATTURA DAVID E	
	37	20060053279		2006-03-09	COUEIGNOUX PHILIPPE J M	

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	38	20060053490		2006-03-09	HERZ FREDERICK	
	39	20060085505		2006-04-20	GILLUM ELIOT C	
	40	20060101334		2006-05-11	LIAO JERRY CHINGHSIEN	
	41	20060107323		2006-05-18	MCLEAN IVAN	
	42	20060149821		2006-07-06	RAJAN VADAKKEDATHU	
	43	20060153380		2006-07-13	GERTNER DMITRY A	
	44	20060161989		2006-07-20	RESHEF ERAN	
	45	20060168024		2006-07-27	MEHR JOHN D	
	46	20060168329		2006-07-27	TAN TEEWOON	
	47	20060195542		2006-08-31	NANDHRA IAN	
	48	20060206713		2006-09-14	HICKMAN KENNETH	

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	Application Number	17228566
	Filing Date	2021-04-12
	First Named Inventor	Bjorn Markus Jakobsson
	Art Unit	2653
	Examiner Name	Not Assigned
	Attorney Docket Number	MJAKP016C3

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Attorney Docket Number	MJAKP016C3

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Examiner Signature	/AKELAW TESHALE/	Date Considered	04/18/2022

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Examiner Name	Not Assigned
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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

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See attached certification statement.

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

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Yeu-Ting George Cheng/	Date (YYYY-MM-DD)	2021-05-07
Name/Print	Yeu-Ting George Cheng	Registration Number	69408

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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Notice of References Cited	Application/Control No. 17/228,566	Applicant(s)/Patent Under Reexamination Jakobsson, Bjorn Markus	
	Examiner AKELAW A TESHALE	Art Unit 2653	Page 1 of 1

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*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	CPC Classification	US Classification
*	A	US-20120287823-A1	11-2012	LIN; Chung-Yu	H04M3/42042	370/259
*	B	US-8774379-B1	07-2014	Youngs; Simon	H04W12/126	379/142.04
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EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0204

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/228,566	Jakobsson, Bjorn Markus
	Examiner	**Art Unit**
	AKELAW A TESHALE	2653

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

CLAIMS										
☐ Claims renumbered in the same order as presented by applicant			☐ CPA		☐ T.D.		☐ R.1.47			
CLAIM		**DATE**								
Final	Original	04/18/2022								
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EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0205

Doc code: IDS
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PTO/SB/08a (02-18)
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	First Named Inventor	Bjorn Markus Jakobsson
	Art Unit	2653
	Examiner Name	Not Assigned
	Attorney Docket Number	MJAKP016C3

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Signature	/Yeu-Ting George Cheng/	Date (YYYY-MM-DD)	2022-02-10
Name/Print	Yeu-Ting George Cheng	Registration Number	69408

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

Privacy Act Statement

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

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

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

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

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

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

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

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

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

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

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

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Doc code: IDS
Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number	17228566
Filing Date	2021-04-12
First Named Inventor	Bjorn Markus Jakobsson
Art Unit	2653
Examiner Name	Not Assigned
Attorney Docket Number	MJAKP016C3

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					

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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	20090157708		2009-06-18	BANDINI JEAN-CHRISTOPHE DENIS	
	2	20090210708		2009-08-20	CHOU JESSE	
	3	20090228583		2009-09-10	POCKLINGTON RICHARD	
	4	20090252159		2009-10-08	LAWSON JEFFREY	
	5	20090260064		2009-10-15	MCDOWELL JOEL RICHARD	

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First Named Inventor	Bjorn Markus Jakobsson
Art Unit	2653
Examiner Name	Not Assigned
Attorney Docket Number	MJAKP016C3

	6	20090292781		2009-11-26	TENG WEI-CHUNG	
	7	20090319629		2009-12-24	DE GUERRE JAMES ALLAN	
	8	20100005191		2010-01-07	DRAKO DEAN	
	9	20100030798		2010-02-04	KUMAR MOHAN	
	10	20100043071		2010-02-18	WANG TAK YIN	
	11	20100054443		2010-03-04	BHATTIPROLU SUKADEV	
	12	20100070761		2010-03-18	GUSTAVE CHRISTOPHE	
	13	20100077483		2010-03-25	STOLFO SALVATORE J	
	14	20100082758		2010-04-01	GOLAN TAL	
	15	20100094887		2010-04-15	YE JINGJUN	
	16	20100095374		2010-04-15	GILLUM ELIOT C	

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Attorney Docket Number	MJAKP016C3

	17	20100115040		2010-05-06	SARGENT JAMES	
	18	20100145900		2010-06-10	ZHENG LEI	
	19	20100198928		2010-08-05	ALMEIDA JOHN	
	20	20100235636		2010-09-16	COHEN RAM	
	21	20100257222		2010-10-07	HAMILTON II RICK A	
	22	20100287246		2010-11-11	KLOS THOMAS	
	23	20100293382		2010-11-18	HAMMAD AYMAN	
	24	20100299399		2010-11-25	WANSER KELLY	
	25	20100313253		2010-12-09	REISS WALTER STANLEY	
	26	20110061089		2011-03-10	O'SULLIVAN PATRICK J	
	27	20110066687		2011-03-17	CHEN DANNY YEN-FU	

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	Attorney Docket Number	MJAKP016C3

	28	20110087485		2011-04-14	MAUDE PETER	
	29	20110145152		2011-06-16	MCCOWN STEVEN HARVEY	
	30	20110191688		2011-08-04	HASEGAWA NOBUHIKO	
	31	20110191847		2011-08-04	DAVIS MALCOLM H	
	32	20110214187		2011-09-01	WITTENSTEIN ANDREAS	
	33	20110271349		2011-11-03	KAPLAN MICHAEL GREGOR	
	34	20110294478		2011-12-01	TRIVI JEAN-MICHEL	
	35	20120030293		2012-02-02	BOBOTEK ALEXANDER	
	36	20120084866		2012-04-05	STOLFO SALVATORE J	
	37	20120102566		2012-04-26	VRANCKEN BART	
	38	20120136780		2012-05-31	EL-AWADY KHALID	

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	Attorney Docket Number	MJAKP016C3

	39	20120167233		2012-06-28	GILLUM ELIOT C	
	40	20120191615		2012-07-26	SCHIBUK NORMAN	
	41	20120192258		2012-07-26	SPENCER RON	
	42	20120204032		2012-08-09	WILKINS JOHN	
	43	20120204221		2012-08-09	MONJAS LLORENTE MIGUEL ANGEL	
	44	20120227104		2012-09-06	SINHA AMIT	
	45	20120242488		2012-09-27	WILSON ERIC EDWARD	
	46	20120246725		2012-09-27	OSIPKOV IVAN	
	47	20120253810		2012-10-04	SUTTON TIMOTHY S	
	48	20120278694		2012-11-01	WASHIO SUGURU	
	49	20120311703		2012-12-06	YANOVSKY BORIS	

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FOREIGN PATENT DOCUMENTS Remove

Examiner Initial*	Cite No	Foreign Document Number[3]	Country Code[2]	Kind Code[4]	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T[5]
	1	2011100489	JP		2011-05-19	BANK OF TOKYO MITSUBISHI UFJ		

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NON-PATENT LITERATURE DOCUMENTS Remove

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T[5]
	1	Toopher: https://web.archive.org/web/20120430105502/http://toopher.com/. April 30, 2012	
	2	Toopher: Toopher Developer Documentation; https://web.archive.org/web/20120523192419/https://www.toopher.com/developers.html. May 23, 2012	
	3	TYAGI et al., "Traceback for End-to-End Encrypted Messaging" CCS '19: Proceeding of 2019 ACM SIGSAC Conference on Computer and Communications Security. pp 4134-430 (Year: 2019)	
	4	U.S. Provisional Patent Application No. 61/551,370 filed October 25, 2011	

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

EXAMINER SIGNATURE

Examiner Signature	/AKELAW TESHALE/	Date Considered	04/18/2022

*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.

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Examiner Name	Not Assigned
Attorney Docket Number	MJAKP016C3

[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.

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Art Unit	2653
Examiner Name	Not Assigned
Attorney Docket Number	MJAKP016C3

CERTIFICATION STATEMENT

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

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

OR

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

See attached certification statement.

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

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Yeu-Ting George Cheng/	Date (YYYY-MM-DD)	2021-05-07
Name/Print	Yeu-Ting George Cheng	Registration Number	69408

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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.

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/228,566	04/12/2021	Bjorn Markus Jakobsson	MJAKP016C3	1684

21912 7590 04/21/2022

VAN PELT, YI & JAMES LLP
10050 N. FOOTHILL BLVD #200
CUPERTINO, CA 95014

EXAMINER	
TESHALE, AKELAW	

ART UNIT	PAPER NUMBER
2653	

NOTIFICATION DATE	DELIVERY MODE
04/21/2022	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):

usptocorrespondence@ip-patent.com

Office Action Summary	Application No. 17/228,566	Applicant(s) Jakobsson, Bjorn Markus	
	Examiner AKELAW A TESHALE	Art Unit 2653	AIA (FITF) Status Yes

-- 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 05/07/2021.

☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2a)☐ This action is **FINAL.** 2b) ☑ This action is non-final.

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

4)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims*

5) ☑ Claim(s) 2-17 is/are pending in the application.

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

6) ☐ Claim(s) _____ is/are allowed.

7) ☑ Claim(s) 2-17 is/are rejected.

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

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

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

Application Papers

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

11)☑ The drawing(s) filed on 04/12/2021 is/are: a)☑ accepted or b)☐ objected to by the Examiner.

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

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

Priority under 35 U.S.C. § 119

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

Certified copies:

a)☐ All b)☐ Some** c)☐ None of the:

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

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

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

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

Attachment(s)

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

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

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

4) ☐ Other: _____.

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0233

DETAILED ACTION

Double Patenting

1. 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).

Claims 2-17 are rejected on the ground of nonstatutory obviousness-type double patenting as being unpatentable over claims 1-23 Patent No. 11,005,989 B1

Although the conflicting claims are not identical, they are not patentably distinct from each other because claims in the continuations are broader than the ones in patent, broad claims in the continuation application are rejected previously patented narrow claims. For example, claim 2 of the present invention is the same as claim 1 of Patent No. 11,005,989 B2 except that "a memory coupled to the one or more processors and configured to provide the one or more processors with instructions." Therefore, claim 2 of the present invention is broader than the patented claim 1.

Claim Rejections - 35 USC § 103

2. In the event the determination of the status of the application as subject to AIA 35 U.S.C. 102 and 103 (or as subject to pre-AIA 35 U.S.C. 102 and 103) is incorrect, any correction of the statutory basis for the rejection will not be considered a new ground of rejection if the prior art relied upon, and the rationale supporting the rejection, would be the same under either status.

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

> A patent for a claimed invention may not be obtained, notwithstanding that the claimed invention is not identically disclosed as set forth in section 102, if the differences between the claimed invention and the prior art are such that the claimed invention as a whole would have been obvious before the effective filing date of the claimed invention to a person having ordinary skill in the art to which the claimed invention pertains. Patentability shall not be negated by the manner in which the invention was made.

4. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

5. **Claims 2-17** are rejected under 35 U.S.C. 103 as being unpatentable over U.S Pub. No. 2012/0287823 A1 to LIN in view of in view of U.S Patent No. 8,774,379 B1 to Youngs et al. (hereinafter "Youngs").

Regarding **claim 2**, LIN discloses a method, comprising:

receiving information pertaining to a call initiated by a caller device, wherein the information pertaining to the call comprises data related to (1) a phone number associated with a callee device (paragraphs [0019] and [0030]; telephone number in the searching database and the caller ID, configured data of the caller ID included in the

internet calling signal is found during the comparison, the marking indication software sends the screened telephone number of the caller ID included in the internet calling signal with a corresponding "failed verification" indication signal to a target receiving callee by displaying the screened telephone number and a failed verification indication in a telephone number display field on a callee receiving device, and stores the telephone number of caller ID and configured data of caller ID included in the internet calling signal that failed verification into the caller ID database of failed-verification telephone numbers for statistical analysis in the future so that the dynamic state of internet caller ID spoofs and malicious phone calls can be effectively monitored in a well-regulated manner);

performing a security determination based at least in part on at least one value associated with the caller device (Abstract, paragraphs [0019] and [0030]; telephone number in the searching database and the caller ID, configured data of the caller ID included in the internet calling signal is found during the comparison, the marking indication software sends the screened telephone number of the caller ID included in the internet calling signal with a corresponding "failed verification" indication signal to a target receiving callee by displaying the screened telephone number and a failed verification indication in a telephone number display field on a callee receiving device, and stores the telephone number of caller ID and configured data of caller ID included in the internet calling signal that failed verification into the caller ID database of failed-verification telephone numbers for statistical analysis in the future so that the dynamic state of internet caller ID spoofs and malicious phone calls can be effectively monitored in a well-regulated manner); and

transmitting a result of the security determination to a relying party, wherein based at least in part on the result of the security determination, the relying party performs an action comprising at least one of: blocking the call, permitting the call, conveying an assurance to the callee device, or conveying caller identifier information to the callee device (Abstract, paragraphs [0019] and [0030]; marking indication software sends a verified result of the comparison with a corresponding indication signal to a target receiving callee so that the callee can easily take suitable measures to prevent becoming the victim of telephone fraud).

However, LIN does not explicitly teach device information associated with the caller device.

In the same field of endeavor, Youngs discloses device information associated with the caller device (column 4, lines 1-37; detecting spoof calls and notifying a called device thereof. Utilizing embodiments hereof, spoof calls initiated by a spoof-calling party can be detected, for example, utilizing call-setup data. For example, a mobile device number (MDN), a mobile station identifier (MSID), and/or a point code can be used by a spoof detecting system to identify a spoof call being placed to a receiving device).

At the time of the effective filing date of the invention, it would have been obvious to a person of ordinary skilled in the art to modify LIN's teaching with a feature of device information associated with the caller device as taught by Youngs in order to take an action that can be applied in association with the spoof call to block the spoof call or to provide an indication of a spoof call or a potential spoof call (column 1, lines 5-20; Youngs).

Regarding **claim 3**, LIN discloses the method of claim 2, wherein the security determination is based at least in part on a policy (Abstract, paragraphs [0019] and [0026]; a caller ID database of failed-verification telephone numbers 51 and a marking indication software 6).

Regarding **claim 4**, LIN does not explicitly teach the method of claim 2, wherein the device information associated with the caller device comprises a unique identifier.

In the same field of endeavor, Youngs discloses device information associated with the caller device comprises a unique identifier (column 9, lines 22-36; a mobile station ID uniquely identifies a mobile unit within a wireless carrier's network).

At the time of the effective filing date of the invention, it would have been obvious to a person of ordinary skilled in the art to modify LIN's teaching with a feature of device information associated with the caller device comprises a unique identifier as taught by Youngs in order to take an action that can be applied in association with the spoof call to block the spoof call or to provide an indication of a spoof call or a potential spoof call (column 1, lines 5-20; Youngs).

Regarding **claim 5**, LIN discloses the method of claim 2, wherein the device information associated with the caller device comprises Automated Number Identification (ANID) information (paragraphs [0019] and [0026]).

Regarding **claim 6**, LIN discloses the method of claim 2, wherein the security determination is based at least in part on a reputation score associated with the caller device (paragraphs [0032]; telephone number 21 corresponding to the matched configured data of telephone number 22 stored in the searching database 50 to the target receiving callee R for displaying in the telephone number display field R2 on the callee receiving device R1 so that the receiving callee R can obtain the genuine telephone number of the caller prior to receiving the telephone call after visual checking of the telephone number display).

Regarding **claim 7**, LIN discloses the method of claim 2, wherein the security determination is based at least in part on a validation of the information pertaining to the call (paragraphs [0030] and [0031]; causes the marking indication software 60 to send the screened telephone number of caller ID S2 included in the internet calling signal with a corresponding "successful verification" indication signal to the target receiving callee R for displaying in the telephone number display field R2 on the callee receiving device R1 so that the receiving callee R can feel safe to receive the telephone call after visual checking of the telephone number display field R2).

Regarding **claim 8**, LIN discloses the method of claim 2, further comprising storing, in a data store, at least one record including contents associated with the caller device (paragraphs [0019]; screened telephone number of the caller ID included in the internet calling signal with a corresponding "failed verification" indication signal to a target receiving callee by displaying the screened telephone number and a failed

verification indication in a telephone number display field on a callee receiving device, and stores the telephone number of caller ID and configured data of caller ID included in the internet calling signal that failed verification into the caller ID database of failed-verification telephone numbers for statistical analysis in the future so that the dynamic state of internet caller ID spoofs and malicious phone calls can be effectively monitored in a well-regulated manner).

Regarding **claim 9**, LIN discloses the method of claim 2, further comprising storing, in a data store, at least one certificate used to validate the call (Abstract and paragraphs [0030]- [0032]; marking indication software 60 to send the screened telephone number of caller ID S2 included in the internet calling signal with a corresponding "successful verification" indication signal to the target receiving callee R for displaying in the telephone number display field R2 on the callee receiving device R1 so that the receiving callee R can feel safe to receive the telephone call after visual checking of the telephone number display field R2).

Regarding **claim 10**, LIN discloses the method of claim 2, wherein the call is validated at least in part by using at least one of a secret key or a public key (paragraphs [0019]-[0020] and [0030]-[0032]; screening internet caller ID spoofs and malicious phone calls in association with a system that includes a screening verification system with a server, a register interface, a capturing interface, a searching and comparing software, a searching database, a caller ID database of failed-verification telephone numbers that fail verification, and a marking indication software, comprising

the following steps: a. instruct each internet calling user to access the screening verification system via the Internet or a telecommunications network for inputting his/her telephone number and his/her configured data of telephone number therein via a register interface).

Regarding **claim 11**, LIN discloses the method of claim 2, wherein the security determination is based at least in part on execution of a rule (Abstract, paragraphs [0019] and [0030]; telephone number in the searching database and the caller ID, configured data of the caller ID included in the internet calling signal is found during the comparison, the marking indication software sends the screened telephone number of the caller ID included in the internet calling signal with a corresponding "failed verification" indication signal to a target receiving callee by displaying the screened telephone number and a failed verification indication in a telephone number display field on a callee receiving device, and stores the telephone number of caller ID and configured data of caller ID included in the internet calling signal that failed verification into the caller ID database of failed-verification telephone numbers for statistical analysis in the future so that the dynamic state of internet caller ID spoofs and malicious phone calls can be effectively monitored in a well-regulated manner).

Regarding **claim 12**, LIN discloses the method of claim 2, wherein the security determination is based at least in part on a timestamp associated with the call (Fig.4 and paragraph [0046]).

Regarding **claim 13**, LIN discloses the method of claim 12, further comprising detecting a replay attack based at least in part on the timestamp (Fig.4 and paragraph [0046]).

Regarding **claim 14**, LIN discloses the method of claim 2, wherein the result of the security determination comprises a score indicating a validity of a phone number associated with the caller device (paragraphs [0030]-[0032]; a verification system for screening internet caller ID spoofs and malicious phone calls includes a server, a register interface, a capturing interface, a searching and comparing software, a searching database, a caller ID database of failed-verification telephone numbers, and marking indication software. The searching database stores a telephone number of caller ID and configured data of telephone number of every internet user. The searching and comparing software compare the telephone number of caller ID and configured data of caller ID included in the internet calling signal with a corresponding telephone number and configured data of the telephone number stored in the searching database).

Regarding **claim 15**, LIN discloses the method of claim 2, wherein the security determination is risk-based (Abstract and paragraph [0036]; a target receiving callee so that the callee can easily take suitable measures to prevent becoming the victim of telephone).

Regarding **claim 16**, LIN discloses the method of claim 2, wherein the device information associated with the caller device is not conveyed to the relying party (Abstract and paragraphs [0026] and [0036]; internet calling signal are actively compared with a telephone number and configured data of the telephone number stored in the searching database to screen out "fraudulent phone calls," a verified result of the comparison are sent together with a corresponding "failed verification" indication signal to a target receiving callee, and the fraudulent telephone number with related configured data are stored in a specific failed-verification database for actively screening caller ID spoofs and malicious phone call).

Regarding **claim 17**, LIN discloses the method of claim 2, wherein the device information associated with the caller device comprises at least one of a unique software identifier, a semi-unique software identifier, an embedded hardware identifier, or a user-added hardware identifier (Abstract, paragraphs [0003] and [0032]; a telephone number of the caller ID device).

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to AKELAW A TESHALE whose telephone number is (571)270-5302. The examiner can normally be reached 9 am -6pm.

Examiner interviews are available via telephone, in-person, and video conferencing using a USPTO supplied web-based collaboration tool. To schedule an

interview, applicant is encouraged to use the USPTO Automated Interview Request (AIR) at http://www.uspto.gov/interviewpractice.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Fan Tsang can be reached on (571)272-7547. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of published or unpublished applications may be obtained from Patent Center. Unpublished application information in Patent Center is available to registered users. To file and manage patent submissions in Patent Center, visit: https://patentcenter.uspto.gov. Visit https://www.uspto.gov/patents/apply/patent-center for more information about Patent Center and https://www.uspto.gov/patents/docx for information about filing in DOCX format. For additional questions, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

AKELAW TESHALE
Primary Examiner
Art Unit 2653

/AKELAW TESHALE/
Primary Examiner, Art Unit 2653

PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
L1	13	((("RIGHTQUESTION") near3 ("LLC"))).AS,AANM.	(USPAT)	OR	ON	ON	2022/04/12 11:01 PM
L2	307	((("JAKOBSSON") near3 ("Bjorn"))).INV.	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2022/04/12 11:01 PM
L3	2	"20210258421".pn.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/12 11:04 PM
L4	2	"20210258421".pn.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 09:56 AM
L5	2	"20210258421".pn. AND result$3	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO;	OR	ON	ON	2022/04/13 10:19 AM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
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			JPO; DERWENT; IBM_TDB)				
L6	2	"20070237319".pn.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 10:34 AM
L7	2	"20030156695".pn.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 10:36 AM
L8	2	"7486779".pn.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 10:44 AM
L9	492	1 OR 2	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS,	OR	ON	ON	2022/04/13 11:44 AM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0246

			IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L10	776709	(block$4 OR permit$4 OR allow$4 OR convey$4) near3 call$4	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 11:59 AM
L11	43590	10 SAME ((phone OR telephone) near2 number)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 12:02 PM
L13	259899	((calling OR caller) near2 (device OR terminal OR apparatus))	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 12:13 PM

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AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
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L14	3162	11 SAME 13	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 12:13 PM
L15	79557	(H04M3/42042 OR H04M3/382 OR H04W4/14 OR H04M2201/18 OR H04M2203/6045).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 12:14 PM
L16	1219	14 SAME ((transmit$4 OR notification OR notify$3 OR report$3 OR tell$3 OR inform$3 OR communicat$4 OR warn$3 OR alert$3 OR signal$4 OR inform$4) WITH (rely$4 OR callee OR called OR destination))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 12:18 PM
L17	161	15 AND 16	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL,	OR	ON	ON	2022/04/13 12:18 PM

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AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
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			NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L18	149061	(called OR callee OR relying OR destination) ADJ party	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 01:53 PM
L19	454228	(block$4 OR permit$4 OR allow$4 OR convey$4) adj3 call$4	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 01:54 PM
L20	11407	18 WITH 19	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 01:54 PM
L21	2839	20 SAME ((phone OR telephone) near2	(US-PGPUB; USPAT; USOCR; FIT (AP, AT,	OR	ON	ON	2022/04/13 01:54 PM

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AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
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		number)	AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L22	1431	21 SAME (submit$4 OR transmit OR transmits OR transmitting OR transmission OR transmissions OR dispatch$3 OR convey$3 OR send$3 OR relay$3 OR sent OR forward$3 OR transfer OR transfers OR transference OR transferr$)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 01:56 PM
L23	240	15 AND 22	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 01:57 PM
L24	68	22 SAME security	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE,	OR	ON	ON	2022/04/13 02:00 PM

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AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0250

			SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L25	0	EP1675329	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 02:07 PM
L26	33	"1675329"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 02:07 PM
L27	11040	((called OR callee OR relying OR destination) ADJ party) WITH ((block$4 OR permit$4 OR allow$4 OR convery$4) adj3 call$4)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 02:10 PM
L28	301	27 SAME security	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU,	OR	ON	ON	2022/04/13 02:10 PM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0251

			CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L29	213	28 SAME number	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 02:10 PM
L30	86	29 SAME (submit$4 OR transmit OR transmits OR transmitting OR transmission OR transmissions OR dispatch$3 OR convey$3 OR send$3 OR relay$3 OR sent OR forward$3 OR transfer OR transfers OR transference OR transferr$)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 02:30 PM
L31	8445	((called OR callee OR relying OR destination) ADJ party) near5 ((block$4 OR permit$4 OR allow$4 OR convery$4) adj3 call$4)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN,	OR	ON	ON	2022/04/13 03:30 PM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0252

			WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L32	229	31 SAME security	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 03:30 PM
L33	109	32 SAME ((phone OR telephone) near2 number)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 03:31 PM
L34	21	33 SAME ((calling OR caller) near2 (device OR terminal OR apparatus))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 03:32 PM
L35	2	"20110212709".pn.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB,	OR	ON	ON	2022/04/13 03:36 PM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0253

			HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L36	1	"20110212709".pn.	(US-PGPUB; USPAT; USOCR; IBM_TDB)	OR	ON	ON	2022/04/13 03:36 PM
L37	86	((called OR callee OR relying OR destination) ADJ party) near5 ((block$4 OR permit$4 OR allow$4 OR convery$4) adj3 call$4) near5 (action OR perfoem$4 OR conduct$4 OR carry$4 OR action) near5 ((block$4 OR permit$4 OR convey$4 OR allow$4) adj5 call$4)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 03:43 PM
L38	171	("20020138271"|"20030200108"|"20030225850"|"20030236845"|"20050188045"|"20060031306"|"20060037075"|"20060195542"|"20030023736"|"20030229672"|"20040073617"|"20050021649"|"20050091320"|"20050198173"|"20060026242"|"20060161989"|"9871913"|"20040177120"|"20050076084"|"20050216587"|"20060085505"|"20060168329"|"10122715"|"10277628"|"20050235065"|"20060053279"|"20060053490"|"20060206713"|"20050033810"|"20050076240"|"20050080857"|"20050182735"|"20050283837"|"20060015563"|"20060153380"|"20060168024"|"20030009694"|"20040176072"|"20040215977"|"20050060643"|"20050097320"|"20060004772"|"20050223076"|"2	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 03:48 PM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0254

		0050257261"|"2006014 9821"|"8238532"|"2002 0184315"|"2004014835 8"|"20040203589"|"200 50188023"|"200601013 34"|"20060107323"|"90 01985").PN.					
L39	932	("20170195310"|"20020 138271"|"20030225850 "|"20030236845"|"2005 0188045"|"2006003130 6"|"20060195542"|"200 60253597"|"200700865 92"|"20070214495"|"20 070276907"|"20090292 781"|"20100198928"|"2 0100257222"|"2010029 9399"|"20110066687"|" 20130305318"|"201402 30061"|"20140245396"| "20140250506"|"20150 033343"|"20150067833 "|"20150148006"|"2015 0172233"|"2017007832 1"|"7814545"|"8719940" |"8752172"|"9258314"|" 9277049"|"2011006108 9"|"9338287"|"2003020 0108"|"20060037075"|" 20060277259"|"200700 78936"|"20070079379"| "20070208850"|"86675 81"|"8904524"|"949115 5"|"9781149"|"2018004 1491"|"20190095516"|" 20100082758"|"201700 85584"|"20090260064"| "20120253810"|"83652 58"|"20030023736"|"20 030229672"|"20050198 173"|"20060026242"|"2 0060230461"|"2006025 9558"|"20070038718"|" 20070067465"|"200701 43432"|"20070239639"| "20090064330"|"20100 030798"|"20100313253 "|"20120246725"|"2013 0318580"|"2014036614 4"|"20150236990"|"201 60225897"|"9154514"|" 9471714"|"2010005444 3"|"20040073617"|"200 50021649"|"200500913 20"|"20060161989"|"20 060282660"|"20090157 708"|"20110214187"|"2 0190012478"|"9338026	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 03:48 PM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0255

		"|"20120102566"|"2013 0036455"|"2017023032 3"|"20130185775"|"200 40177120"|"200500760 84"|"20050216587"|"20 060085505"|"20060168 329"|"20070101423"|"2 0070299916"|"2010009 4887"|"20120030293"|" 20120136780"|"201201 67233"|"20120278694"| "20130060905"|"20130 346528"|"20140082726 "|"20150030156"|"2015 0081722"|"2015032651 0"|"20160087925"|"201 70091274"|"6721784"|" 6073142"|"7299261"|"7 899866"|"8255572"|"86 76155"|"9613341"|"202 00067861"|"8769684"|" 20100293382"|"201202 04032"|"20130340079"| "7668951"|"10122715"|" 20060053279"|"200701 43407"|"20050235065"| "20060053490"|"20060 206713"|"20060224677 "|"20080004049"|"2008 0022107"|"2010004307 1"|"20100145900"|"201 20227104"|"201300831 29"|"20130128883"|"20 150371212"|"20160014 151"|"20160037270"|"2 0160104132"|"2017000 5961"|"7644274"|"7809 796"|"8583915"|"88322 02"|"8959163"|"980058 9"|"9940482"|"2017012 6661"|"7854007"|"9654 492"|"20070035390"|"2 0120191615"|"9277049 "|"20100005191"|"1027 7628"|"20080022013"|" 20080104180"|"201202 04221"|"20130173712"| "20180097841"|"89310 41"|"20070136806"|"93 32022"|"20050033810"| "20050076240"|"20050 080857"|"20050182735 "|"20060015563"|"2006 0153380"|"2006016802 4"|"20070100944"|"200 70107053"|"200903196 29"|"20110087485"|"20 110271349"|"20150113					

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0256

		627"|"20150334065"|"2 0160094566"|"2017032 4767"|"20180160387"|" 20180184289"|"791765 5"|"8010614"|"8131655" |"8560962"|"8949353"|" 8984640"|"9060057"|"9 338287"|"9473437"|"20 050283837"|"20100095 374"|"20120084866"|"2 0180131686"|"7464408 "|"7748038"|"7941842"|" 9027134"|"2014018720 3"|"20140317697"|"201 80041515"|"202000768 17"|"20050097320"|"20 040176072"|"20050060 643"|"20060004772"|"2 0070019235"|"2007019 2169"|"20080046970"|" 20080104235"|"200801 41374"|"20080175266"| "20080235794"|"20080 276315"|"20080290154 "|"20090228583"|"2010 0070761"|"2010023563 6"|"20110145152"|"201 40214895"|"201402591 58"|"20150216413"|"20 150381653"|"7809795"| "9245115"|"9560506"|"2 0030009694"|"2004021 5977"|"20070289018"|" 20180091453"|"823050 5"|"8813228"|"8880604" |"7194618"|"7631193"|" 20190306237"|"202002 44638"|"20130104198"| "20050223076"|"20050 257261"|"20060149821 "|"20080050014"|"2009 0089859"|"2010011504 0"|"20100287246"|"201 10191688"|"201201922 58"|"20120311703"|"20 130081142"|"20140258 420"|"20150100896"|"2 0150156154"|"2015028 8714"|"20150363839"|" 20170251006"|"616113 0"|"7899213"|"8566938" |"8667069"|"8667074"|" 8996042"|"9906554"|"9 501639"|"20070162742 "|"20130086645"|"2019 0095498"|"7890358"|"9 118653"|"9602508"|"20 060101334"|"20070136					

		573"|"20020184315"|"20040203589"|"20050188023"|"20060107323"|"20060265498"|"20070027992"|"20070130618"|"20070198642"|"20070271343"|"20080098237"|"20080178288"|"20090037350"|"20090210708"|"20090252159"|"20110191847"|"20110294478"|"20120242488"|"20130067012"|"20140340822"|"20160269437"|"20170331816"|"20170331824"|"6574658"|"7293063"|"7797752"|"7831522"|"8489689"|"8572184"|"9847973"|"20040148358"|"20100077483"|"20130263226"|"20140007238"|"20160012222"|"20180343246"|"8214490"|"9910984"|"20140189808"|"20200264860"|"20200265062").PN.				
L40	956	38 OR 39	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 03:48 PM
L41	8445	((called OR callee OR relying OR destination) ADJ party) near5 ((block$4 OR permit$4 OR allow$4 OR convery$4) adj3 call$4)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2022/04/13 03:49 PM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0258

			IBM_TDB)				
L42	3	40 AND 41	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 03:49 PM
L43	9830	((called OR callee OR relying OR destination) ADJ party) near5 perform$4	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 04:29 PM
L44	563042	((block$4 OR permit$4 OR convey$4 OR allow$4) near2 call$4)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 04:29 PM
L45	267	43 WITH 44	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV,	OR	ON	ON	2022/04/13 04:29 PM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0259

			MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L46	18	((called OR callee OR relying OR destination) ADJ party) AND 40	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 05:01 PM
L47	133	(spoof$4 OR scam$4 OR security) SAME (((calling OR caller) ADJ device) near2 (information OR identif$5 OR ID))	(US-PGPUB; USPAT)	OR	ON	ON	2022/04/14 09:06 PM
L48	60	(spoof$4 OR scam$4) AND 47	(US-PGPUB; USPAT)	OR	ON	ON	2022/04/14 09:08 PM
L49	49	48 AND policy	(US-PGPUB; USPAT)	OR	ON	ON	2022/04/14 09:12 PM
L50	48	49 AND ((secret OR public) near2 key)	(US-PGPUB; USPAT)	OR	ON	ON	2022/04/14 09:13 PM
L51	48	50 AND call	(US-PGPUB; USPAT)	OR	ON	ON	2022/04/14 09:20 PM
L52	4	50 AND ((telephone OR phone) near2 number)	(US-PGPUB; USPAT)	OR	ON	ON	2022/04/14 09:21 PM
L53	48	50 AND call AND number	(US-PGPUB; USPAT)	OR	ON	ON	2022/04/14 09:22 PM
L54	6	((US-20070237319-A1 OR US-20110286585-A1 OR US-20030228010-A1).did. AND PGPB.dbnm.) OR ((EP-1675329-A1).did. AND EPAB.dbnm.) OR ((US-20030228010-A1).did. AND DWPI.dbnm.) OR ((US-8774379-B1).did. AND USPT.dbnm.)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA,	OR	ON	ON	2022/04/14 09:24 PM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0260

			VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L55	0	54 AND (policy AND key)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/14 09:25 PM
L56	1049	((spoof$4 OR scam$4) SAME call) AND (policy AND key)	(US-PGPUB; USPAT)	OR	ON	ON	2022/04/14 09:25 PM
L57	140	56 AND (((calling OR caller) near2 (device OR terminal OR apparatus)) near2 (information OR ID OR identif$5))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/14 09:26 PM
L58	1258	56 AND (caller OR calling)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/14 09:29 PM
L59	772	56 AND (caller OR calling)	(US-PGPUB; USPAT)	OR	ON	ON	2022/04/14 09:29 PM

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L60	67	57 AND (caller OR calling)	(US-PGPUB; USPAT)	OR	ON	ON	2022/04/14 09:30 PM
L61	0	6 AND ((public OR secret) near2 key)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/14 09:35 PM
L62	2	"20120287823".pn.	(US-PGPUB; USPAT; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/14 10:13 PM
L63	1	"8774379".pn.	(US-PGPUB; USPAT)	OR	ON	ON	2022/04/14 10:40 PM
L64	2	"8774379".pn.	(US-PGPUB; USPAT; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/15 01:32 PM

PE2E SEARCH - Search History (Interference)

There are no Interference searches to show.

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UNITED STATES PATENT AND TRADEMARK OFFICE

USPTO Automated Interview Request (AIR)

Sep 10 2022

This paper requesting to schedule and/or conduct an interview is appropriate because:

This submission is requested to be accepted as an authorization for this interview to communicate via the internet. Recognizing that Internet communications are not secure, I hereby authorize the USPTO to communicate with the undersigned concerning scheduling of the interview via video conference, instant messaging, or electronic mail, and to conduct the interview in accordance with office practice including video conferencing.

Name(s):
Yeu-Ting George Cheng

S-signature:
/YeuTing George Cheng/

Registration Number:
69408

U.S. Application Number:
17228566

Confirmation Number:
1684

E-mail Address:
gcheng@ip-patent.com

Phone Number:
+1 4082074765

Proposed Time of Interview:
9-16-2022 1:00 PM ET

Alternative Proposed Time(s) of Interview:
9-16-2022 1:30 PM ET

Prefered Interview Type:
Telephonic

I am the applicant or applicant's representative for this application.

Topic for Discussion:

uspto UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/228,566	04/12/2021	Bjorn Markus Jakobsson	MJAKP016C3	1684

21912 7590 10/13/2022

VAN PELT, YI & JAMES LLP
10050 N. FOOTHILL BLVD #200
CUPERTINO, CA 95014

EXAMINER	
TESHALE, AKELAW	

ART UNIT	PAPER NUMBER
2653	

NOTIFICATION DATE	DELIVERY MODE
10/13/2022	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):

usptocorrespondence@ip-patent.com

Applicant-Initiated Interview Summary	**Application No.** 17/228,566	**Applicant(s)** Jakobsson, Bjorn Markus		
	Examiner AKELAW A TESHALE	**Art Unit** 2653	**AIA (First Inventor to File) Status** Yes	**Page** 1 of 1

All Participants (applicant, applicants representative, PTO personnel)	**Title**	**Type**
AKELAW A TESHALE	Primary Examiner	Telephonic
George Cheng	Attorney of Record	

Date of Interview: 07 October 2022

Issues Discussed:

35 U.S.C. 103

The examiner and applicant's representative discussed dependent claims 6 and 9. Examiner explained that further clarifying the claim languages to incorporate them into independent claims would overcome the prior arts. No agreement has been reached. The applicant will file a response accordingly.

/AKELAW TESHALE/ Primary Examiner, Art Unit 2653	

Applicant is reminded that a complete written statement as to the substance of the interview must be made of record in the application file. It is the applicants responsibility to provide the written statement, unless the interview was initiated by the Examiner and the Examiner has indicated that a written summary will be provided. See MPEP 713.04
Please further see:
MPEP 713.04
Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews, paragraph (b)
37 CFR § 1.2 Business to be transacted in writing

Applicant recordation instructions: The formal written reply to the last Office action must include the substance of the interview. (See MPEP section 713.04). If a reply to the last Office action has already been filed, applicant is given a non-extendable period of the longer of one month or thirty days from this interview date, or the mailing date of this interview summary form, whichever is later, to file a statement of the substance of the interview.

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

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Electronic Patent Application Fee Transmittal

Application Number:	17228566
Filing Date:	12-Apr-2021
Title of Invention:	VALIDATING AUTOMATIC NUMBER IDENTIFICATION DATA
First Named Inventor/Applicant Name:	Bjorn Markus Jakobsson
Filer:	Yeu-Ting George Cheng/Elaine Nguyen
Attorney Docket Number:	MJAKP016C3

Filed as Large Entity

Filing Fees for Utility under 35 USC 111(a)

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

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension - 3 months with $0 paid	1253	1	1480	1480
Miscellaneous:				
			Total in USD ($)	**1480**

Electronic Acknowledgement Receipt

EFS ID:	46859094
Application Number:	17228566
International Application Number:	
Confirmation Number:	1684
Title of Invention:	VALIDATING AUTOMATIC NUMBER IDENTIFICATION DATA
First Named Inventor/Applicant Name:	Bjorn Markus Jakobsson
Customer Number:	21912
Filer:	Yeu-Ting George Cheng/Elaine Nguyen
Filer Authorized By:	Yeu-Ting George Cheng
Attorney Docket Number:	MJAKP016C3
Receipt Date:	20-OCT-2022
Filing Date:	12-APR-2021
Time Stamp:	14:03:38
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	$1480
RAM confirmation Number	E20220JE05434618
Deposit Account	500685
Authorized User	Elaine Nguyen

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	Fee Worksheet (SB06)	fee-info.pdf	38639 9c91c4d62ca7da1426a81a7d37351e8e773cedfb	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	38639		

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.

Electronic Patent Application Fee Transmittal

Application Number:	17228566
Filing Date:	12-Apr-2021
Title of Invention:	VALIDATING AUTOMATIC NUMBER IDENTIFICATION DATA
First Named Inventor/Applicant Name:	Bjorn Markus Jakobsson
Filer:	Yeu-Ting George Cheng/Elaine Nguyen
Attorney Docket Number:	MJAKP016C3

Filed as Large Entity

Filing Fees for Utility under 35 USC 111(a)

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

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Miscellaneous:				
STATUTORY OR TERMINAL DISCLAIMER	1814	1	170	170
		Total in USD ($)		**170**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.:	17/228,566	Examiner:	Akelaw Teshale
Filed:	April 12, 2021	Art Unit:	2653
Confirmation No.:	1684	Docket No.:	MJAKP016C3
First Inventor:	Bjorn Markus Jakobsson		
Title:	VALIDATING AUTOMATIC NUMBER IDENTIFICATION DATA		

TERMINAL DISCLAIMER UNDER 37 C.F.R. § 1.321 TO OBVIATE AN OBVIOUSNESS-TYPE DOUBLE PATENTING REJECTION

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

Dear Sir:

Applicant(s), RightQuestion, LLC, the owner(s) of the entire interest in the above-identified application hereby disclaim(s), except as provided below, the terminal part of the statutory term of any patent granted on the above-identified application, which would extend beyond the expiration date of the full statutory term defined in 35 U.S.C. 154 and 173 of prior United States Patent No. 11,005,989 (hereafter "prior patent"), as presently shortened by any terminal disclaimer. The applicant(s)/owner(s) hereby agree(s) that any patent so granted on the above-identified 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 above-identified application and is binding upon the grantee, its successors or assigns.

In making the above disclaimer, the applicant(s)/owner(s) do(es) not disclaim the terminal part of any patent granted on the above-identified application that would extend to the expiration date of the full statutory term as defined in 35 U.S.C. 154 and 173 of the prior patent, as presently shortened by any terminal disclaimer, in the event that it 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 C.F.R. 1.321,

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has all claims canceled by a reexamination certificate, is reissued or is in any matter terminated prior to the expiration of its full statutory term as presently shortened by any terminal disclaimer.

The undersigned is an agent or attorney of record.

Please charge Deposit Account No. 50-0685 (MJAKP016C3) in the amount of $170.00 to cover the fee. If the required fees are missing or any additional fees are required during the pendency of the subject application, please charge such fees or credit any overpayment to Deposit Account No. 50-0685 (Order No. MJAKP016C3).

Respectfully submitted,

Dated: October 20, 2022

/Yeu-Ting George Cheng/
Yeu-Ting George Cheng
Registration No. 69408
408-207-4765

VAN PELT, YI & JAMES LLP
10050 N. Foothill Blvd., Suite 200
Cupertino, CA 95014
Fax 408-973-2595

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AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
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Electronic Acknowledgement Receipt

EFS ID:	46858982
Application Number:	17228566
International Application Number:	
Confirmation Number:	1684
Title of Invention:	VALIDATING AUTOMATIC NUMBER IDENTIFICATION DATA
First Named Inventor/Applicant Name:	Bjorn Markus Jakobsson
Customer Number:	21912
Filer:	Yeu-Ting George Cheng/Elaine Nguyen
Filer Authorized By:	Yeu-Ting George Cheng
Attorney Docket Number:	MJAKP016C3
Receipt Date:	20-OCT-2022
Filing Date:	12-APR-2021
Time Stamp:	13:56:14
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	$170
RAM confirmation Number	E20220JD56554413
Deposit Account	500685
Authorized User	Elaine Nguyen

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	Amendment/Request for Reconsideration-After Non-Final Rejection	MJAKP016C3_AMD_B.pdf	118604 9e227d7f257d5d4b80acfb7ad921803406192c06	no	6
Warnings:					
Information:					
2	Terminal Disclaimer Filed	MJAKP016C3_TD_11005989.pdf	78558 c70ca2785449804eb22008f99d365694d9b4202c	no	2
Warnings:					
Information:					
3	Fee Worksheet (SB06)	fee-info.pdf	38089 d140f648b0226ac8613060ceeb7466678aa05580	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	235251		

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 CLAIMS

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

Listing of Claims:

1. (Cancelled)

2. (Currently amended) A method, comprising:

receiving information pertaining to a call initiated by a caller device, wherein the information pertaining to the call comprises data related to (1) a phone number associated with a callee device, and (2) device information associated with the caller device;

performing a security determination based at least in part on a reputation score, wherein the reputation score is based at least in part on an indication of a potential spoof attempt ~~at least one value associated with the caller device~~; and

transmitting a result of the security determination to a relying party, wherein based at least in part on the result of the security determination, the relying party performs an action comprising at least one of: blocking the call, permitting the call, conveying an assurance to the callee device, or conveying caller identifier information to the callee device.

3. (Previously Presented) The method of claim 2, wherein the security determination is based at least in part on a policy.

4. (Previously Presented) The method of claim 2, wherein the device information associated with the caller device comprises a unique identifier.

5. (Previously Presented) The method of claim 2, wherein the device information associated with the caller device comprises Automated Number Identification (ANI) information.

6. (Cancelled)

7. (Previously Presented) The method of claim 2, wherein the security determination is based at least in part on a validation of the information pertaining to the call.

8. (Previously Presented) The method of claim 2, further comprising storing, in a data

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store, at least one record including contents associated with the caller device.

9. (Previously Presented) The method of claim 2, further comprising storing, in a data store, at least one certificate used to validate the call.

10. (Previously Presented) The method of claim 2, wherein the call is validated at least in part by using at least one of a secret key or a public key.

11. (Previously Presented) The method of claim 2, wherein the security determination is based at least in part on execution of a rule.

12. (Previously Presented) The method of claim 2, wherein the security determination is based at least in part on a timestamp associated with the call.

13. (Previously Presented) The method of claim 12, further comprising detecting a replay attack based at least in part on the timestamp.

14. (Previously Presented) The method of claim 2, wherein the result of the security determination comprises a score indicating a validity of a phone number associated with the caller device.

15. (Previously Presented) The method of claim 2, wherein the security determination is risk-based.

16. (Previously Presented) The method of claim 2, wherein the device information associated with the caller device is not conveyed to the relying party.

17. (Previously Presented) The method of claim 2, wherein the device information associated with the caller device comprises at least one of a unique software identifier, a semi-unique software identifier, an embedded hardware identifier, or a user-added hardware identifier.

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INTERVIEW SUMMARY

A telephonic interview in the above-referenced case was conducted on October 7, 2022 between the Examiner and the Applicants' undersigned representative. The Office Action mailed on April 21, 2022 was discussed. Specifically, the rejections of Claims 2, 6, and 9 in light of Lin and Youngs and the proposed amendments set forth herein were discussed with the intent to place the claims in better condition for allowance or appeal.

The Applicants thank the Examiner for the interview.

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AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
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REMARKS

Claim 6 has been cancelled. Claim 2 has been amended to clarify the subject matter regarded as the invention. Claims 2-5 and 7-17 are pending.

Double Patenting

Claims 2-5 and 7-17 have been rejected under the judicially created doctrine of obviousness-type double patenting. It is believed that the Terminal Disclaimer filed herewith is sufficient to overcome the double patenting rejection.

Claim Rejections – 35 U.S.C. §103

Claims 2-5 and 7-17 stand rejected under 35 U.S.C. §103 as being unpatentable over Lin (U.S. Pub. No. 2012/0287823) in view of Youngs et al. (U.S. Pat. No. 8,774,379). The rejection is respectfully traversed.

As amended, independent Claim 2 recites, in part, "performing a security determination based at least in part on a reputation score" and that "the reputation score is based at least in part on an indication of a potential spoof attempt."

Support for the amendments may be found, without limitation, in Paragraph [0062] of the Specification. Neither Lin nor Youngs, whether considered individually or in combination, discloses these limitations. Independent Claim 2 is therefore believed to be allowable. The remaining claims depend, either directly or indirectly, from independent Claim 2, and are therefore also believed to be allowable for the same reasons described above.

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The foregoing amendments are not to be taken as an admission of unpatentability of any of the claims prior to the amendments.

Reconsideration of the application and allowance of all claims are respectfully requested based on the preceding remarks. If at any time the Examiner believes that an interview would be helpful, please contact the undersigned.

Respectfully submitted,

Dated: October 20, 2022

/Yeu-Ting George Cheng/
Yeu-Ting George Cheng
Registration No. 69408
408-207-4765

VAN PELT, YI & JAMES LLP
10050 N. Foothill Blvd., Suite 200
Cupertino, CA 95014
Fax 408-973-2595

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AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.:	17/228,566	Examiner:	Akelaw Teshale
Filed:	April 12, 2021	Art Unit:	2653
Confirmation No.:	1684	Docket No.:	MJAKP016C3
First Inventor:	Bjorn Markus Jakobsson		
Title:	VALIDATING AUTOMATIC NUMBER IDENTIFICATION DATA		

AMENDMENT B

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

Dear Sir:

This is in response to the Office Action mailed April 21, 2022. The following amendment and remarks are respectfully submitted.

Applicant(s) believe that no (additional) fees are required beyond any fees submitted herewith. If required fees are missing or any additional fees are required during the pendency of the subject application, please charge such fees or credit any overpayment to Deposit Account No. 50-0685 (MJAKP016C3).

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AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
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PTO/SB/06 (09-11)
Approved for use through 1/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 17/228,566	Filing Date 04/12/2021	☐ 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 $50 =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*		x $240 =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).				
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))					
* If the difference in column 1 is less than zero, enter "0" in column 2.				TOTAL	

APPLICATION AS AMENDED - PART II

		(Column 1)		(Column 2)	(Column 3)			
AMENDMENT	10/20/2022	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 15	Minus	** 20	= 0		x $50 =	0
	Independent (37 CFR 1.16(h))	* 1	Minus	*** 3	= 0		x $240 =	0
	☐ Application Size Fee (37 CFR 1.16(s))							
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							
							TOTAL ADD'L FEE	0

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

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.	LIE
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".	/ALLYSON PURNELL/
*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".	
The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.	

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

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

Application Number	Application/Control No.	Applicant(s)/Patent under Reexamination	
* 17/228,566 *	17/228,566	Jakobsson, Bjorn Markus	
	Examiner	**Art Unit**	
	TESHALE, AKELAW	2653	

Document Code - DISQ	**Internal Document - DO NOT MAIL**

TERMINAL DISCLAIMER	☑ APPROVED	☐ DISAPPROVED
Date Filed: **20 October 2022**	**This patent is subject to a Terminal Disclaimer**	

Approved/Disapproved by:

/PAMELA A YOUNG/

Technology Center: OPLC

Telephone: (571)272-3622

_____

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0283

UNITED STATES PATENT AND TRADEMARK OFFICE

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY.DOCKET NO./TITLE	REQUEST ID
17/228,566	04/12/2021	Bjorn Markus Jakobsson	MJAKP016C3	181549

Acknowledgement of Loss of Entitlement to Entity Status Discount

The entity status change request below filed through Private PAIR on 01/06/2023 has been accepted.

CERTIFICATIONS:

Change of Entity Status:

X Applicant changing to regular undiscounted fee status.

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

This portion must be completed by the signatory or signatories making the entity status change in accordance with 37 CFR 1.4(d)(4).

Signature:	/Yeu-Ting George Cheng/
Name:	Yeu-Ting George Cheng
Registration Number:	69408

Notice of References Cited	Application/Control No. 17/228,566	Applicant(s)/Patent Under Reexamination Jakobsson, Bjorn Markus	
	Examiner AKELAW A TESHALE	Art Unit 2653	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-20120287823-A1	11-2012	LIN; Chung-Yu	H04M3/42042	370/259
*	B	US-8774379-B1	07-2014	Youngs; Simon	H04W12/126	379/142.04
*	C	US-20110280160-A1	11-2011	Yang; Weilai	H04L65/1079	370/259
	D					
	E					
	F					
	G					
	H					
	I					
	J					
	K					
	L					
	M					

FOREIGN PATENT DOCUMENTS

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

NON-PATENT DOCUMENTS

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

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

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0285

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/228,566	Jakobsson, Bjorn Markus
	Examiner	**Art Unit**
	AKELAW A TESHALE	2653

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

CLAIMS

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

CLAIM		DATE								
Final	Original	04/18/2022	01/04/2023							
	1	-	-							
	2	✓	✓							
	3	✓	✓							
	4	✓	✓							
	5	✓	✓							
	6	✓	-							
	7	✓	✓							
	8	✓	✓							
	9	✓	✓							
	10	✓	✓							
	11	✓	✓							
	12	✓	✓							
	13	✓	✓							
	14	✓	✓							
	15	✓	✓							
	16	✓	✓							
	17	✓	✓							

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0286

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/228,566	Jakobsson, Bjorn Markus
	Examiner	**Art Unit**
	AKELAW A TESHALE	2653

CPC - Searched*		
Symbol	**Date**	**Examiner**
H04M3/42042 OR H04M3/382 OR H04W4/14 OR H04M2201/18 OR H04M2203/6045	01/02/2023	AT

CPC Combination Sets - Searched*		
Symbol	**Date**	**Examiner**

US Classification - Searched*			
Class	**Subclass**	**Date**	**Examiner**

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

Search Notes		
Search Notes	**Date**	**Examiner**
Inventor name search (PE2E)	01/03/2023	AT
PE2E search (US-PGPUB; USPAT; USOCR)	01/02/2023	AT
Please see PE2E search	01/04/2023	AT

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

/AKELAW TESHALE/ Primary Examiner, Art Unit 2653	

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0287

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/228,566	04/12/2021	Bjorn Markus Jakobsson	MJAKP016C3	1684

21912 7590 01/10/2023
VAN PELT, YI & JAMES LLP
10050 N. FOOTHILL BLVD #200
CUPERTINO, CA 95014

EXAMINER	
TESHALE, AKELAW	

ART UNIT	PAPER NUMBER
2653	

NOTIFICATION DATE	DELIVERY MODE
01/10/2023	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):

usptocorrespondence@ip-patent.com

Office Action Summary	Application No. 17/228,566	Applicant(s) Jakobsson, Bjorn Markus	
	Examiner AKELAW A TESHALE	Art Unit 2653	AIA (FITF) Status Yes

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

Period for Reply

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

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

Status

1)☑ Responsive to communication(s) filed on 10/20/2022.

☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2a)☑ This action is **FINAL.** 2b) ☐ This action is non-final.

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

4)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims*

5) ☑ Claim(s) 2-5 and 7-17 is/are pending in the application.

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

6) ☐ Claim(s) _____ is/are allowed.

7) ☑ Claim(s) 2-5 and 7-17 is/are rejected.

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

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

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

Application Papers

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

11)☑ The drawing(s) filed on 04/12/2021 is/are: a)☑ accepted or b)☐ objected to by the Examiner.

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

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

Priority under 35 U.S.C. § 119

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

Certified copies:

a)☐ All b)☐ Some** c)☐ None of the:

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

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

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

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

Attachment(s)

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

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

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

4) ☐ Other: _____.

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0289

DETAILED ACTION

Response to Amendment

1. This action is response to communication filed on **10/20/2022.**

2. **Claims 2-5 and 7-17** are pending in this action.

3. This Action is final.

Claim Rejections - 35 USC § 103

4. In the event the determination of the status of the application as subject to AIA 35 U.S.C. 102 and 103 (or as subject to pre-AIA 35 U.S.C. 102 and 103) is incorrect, any correction of the statutory basis for the rejection will not be considered a new ground of rejection if the prior art relied upon, and the rationale supporting the rejection, would be the same under either status.

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

> A patent for a claimed invention may not be obtained, notwithstanding that the claimed invention is not identically disclosed as set forth in section 102, if the differences between the claimed invention and the prior art are such that the claimed invention as a whole would have been obvious before the effective filing date of the claimed invention to a person having ordinary skill in the art to which the claimed invention pertains. Patentability shall not be negated by the manner in which the invention was made.

6. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

7. **Claims 2-5 and 7-17** are rejected under 35 U.S.C. 103 as being unpatentable over U.S Pub. No. 2012/0287823 A1 to LIN in view of in view of U.S Patent No.

8,774,379 B1 to Youngs et al. (hereinafter “Youngs”) in further view of U.S Pub. 2011/0280160 A1 to Yang.

Regarding **claim 2**, LIN discloses a method, comprising:

receiving information pertaining to a call initiated by a caller device, wherein the information pertaining to the call comprises data related to (1) a phone number associated with a callee device (paragraphs [0019] and [0030]; telephone number in the searching database and the caller ID, configured data of the caller ID included in the internet calling signal is found during the comparison, the marking indication software sends the screened telephone number of the caller ID included in the internet calling signal with a corresponding "failed verification" indication signal to a target receiving callee by displaying the screened telephone number and a failed verification indication in a telephone number display field on a callee receiving device, and stores the telephone number of caller ID and configured data of caller ID included in the internet calling signal that failed verification into the caller ID database of failed-verification telephone numbers for statistical analysis in the future so that the dynamic state of internet caller ID spoofs and malicious phone calls can be effectively monitored in a well-regulated manner);

performing a security determination based at least in part on at least one value associated with the caller device (Abstract, paragraphs [0019] and [0030]; telephone number in the searching database and the caller ID, configured data of the caller ID included in the internet calling signal is found during the comparison, the marking indication software sends the screened telephone number of the caller ID included in the internet calling signal with a corresponding "failed verification" indication signal to a

target receiving callee by displaying the screened telephone number and a failed verification indication in a telephone number display field on a callee receiving device, and stores the telephone number of caller ID and configured data of caller ID included in the internet calling signal that failed verification into the caller ID database of failed-verification telephone numbers for statistical analysis in the future so that the dynamic state of internet caller ID spoofs and malicious phone calls can be effectively monitored in a well-regulated manner); and

transmitting a result of the security determination to a relying party, wherein based at least in part on the result of the security determination, the relying party performs an action comprising at least one of: blocking the call, permitting the call, conveying an assurance to the callee device, or conveying caller identifier information to the callee device (Abstract, paragraphs [0019] and [0030]; marking indication software sends a verified result of the comparison with a corresponding indication signal to a target receiving callee so that the callee can easily take suitable measures to prevent becoming the victim of telephone fraud).

However, LIN does not explicitly teach device information associated with the caller device.

In the same field of endeavor, Youngs discloses device information associated with the caller device (column 4, lines 1-37; detecting spoof calls and notifying a called device thereof. Utilizing embodiments hereof, spoof calls initiated by a spoof-calling party can be detected, for example, utilizing call-setup data. For example, a mobile device number (MDN), a mobile station identifier (MSID), and/or a point code can be

used by a spoof detecting system to identify a spoof call being placed to a receiving device).

At the time of the effective filing date of the invention, it would have been obvious to a person of ordinary skilled in the art to modify LIN's teaching with a feature of device information associated with the caller device as taught by Youngs in order to take an action that can be applied in association with the spoof call to block the spoof call or to provide an indication of a spoof call or a potential spoof call (column 1, lines 5-20; Youngs).

LIN in view of Youngs do not explicitly teach a reputation score, wherein the reputation score is based at least in part on an indication of a protentional spoof attempt.

However, in the same field of endeavor, Yang discloses a reputation score, wherein the reputation score is based at least in part on an indication of a protentional spoof attempt (paragraphs [0023]- [0025]; Reputation engines can also help to identify legitimate communications and prioritize their delivery and reduce the risk of misclassifying a legitimate communication. Moreover, entities 130a-e can also disguise their identity by spoofing a legitimate entity).

At the time of the effective filing date of the invention, it would have been obvious to a person of ordinary skilled in the art to modify LIN in view of Youngs teaching with a feature of a reputation score, wherein the reputation score is based at least in part on an indication of a protentional spoof attempt as taught by Yang in order to identify malicious communications without extensive and potentially costly local analysis of

communication content, while prioritizing delivery of legitimate communications by using reputation engines (paragraph [0023], Yang).

Regarding **claim 3**, LIN discloses the method of claim 2, wherein the security determination is based at least in part on a policy (Abstract, paragraphs [0019] and [0026]; a caller ID database of failed-verification telephone numbers 51 and a marking indication software 6).

Regarding **claim 4**, LIN does not explicitly teach the method of claim 2, wherein the device information associated with the caller device comprises a unique identifier.

In the same field of endeavor, Youngs discloses device information associated with the caller device comprises a unique identifier (column 9, lines 22-36; a mobile station ID uniquely identifies a mobile unit within a wireless carrier's network).

At the time of the effective filing date of the invention, it would have been obvious to a person of ordinary skilled in the art to modify LIN's teaching with a feature of device information associated with the caller device comprises a unique identifier as taught by Youngs in order to take an action that can be applied in association with the spoof call to block the spoof call or to provide an indication of a spoof call or a potential spoof call (column 1, lines 5-20; Youngs).

Regarding **claim 5**, LIN discloses the method of claim 2, wherein the device information associated with the caller device comprises Automated Number Identification (ANID) information (paragraphs [0019] and [0026]).

Regarding **claim 7**, LIN discloses the method of claim 2, wherein the security determination is based at least in part on a validation of the information pertaining to the call (paragraphs [0030] and [0031]; causes the marking indication software 60 to send the screened telephone number of caller ID S2 included in the internet calling signal with a corresponding "successful verification" indication signal to the target receiving callee R for displaying in the telephone number display field R2 on the callee receiving device R1 so that the receiving callee R can feel safe to receive the telephone call after visual checking of the telephone number display field R2).

Regarding **claim 8**, LIN discloses the method of claim 2, further comprising storing, in a data store, at least one record including contents associated with the caller device (paragraphs [0019]; screened telephone number of the caller ID included in the internet calling signal with a corresponding "failed verification" indication signal to a target receiving callee by displaying the screened telephone number and a failed verification indication in a telephone number display field on a callee receiving device, and stores the telephone number of caller ID and configured data of caller ID included in the internet calling signal that failed verification into the caller ID database of failed-verification telephone numbers for statistical analysis in the future so that the dynamic state of internet caller ID spoofs and malicious phone calls can be effectively monitored in a well-regulated manner).

Regarding **claim 9**, LIN discloses the method of claim 2, further comprising storing, in a data store, at least one certificate used to validate the call (Abstract and

paragraphs [0030]- [0032]; marking indication software 60 to send the screened telephone number of caller ID S2 included in the internet calling signal with a corresponding "successful verification" indication signal to the target receiving callee R for displaying in the telephone number display field R2 on the callee receiving device R1 so that the receiving callee R can feel safe to receive the telephone call after visual checking of the telephone number display field R2).

Regarding **claim 10**, LIN discloses the method of claim 2, wherein the call is validated at least in part by using at least one of a secret key or a public key (paragraphs [0019]-[0020] and [0030]-[0032]; screening internet caller ID spoofs and malicious phone calls in association with a system that includes a screening verification system with a server, a register interface, a capturing interface, a searching and comparing software, a searching database, a caller ID database of failed-verification telephone numbers that fail verification, and a marking indication software, comprising the following steps: a. instruct each internet calling user to access the screening verification system via the Internet or a telecommunications network for inputting his/her telephone number and his/her configured data of telephone number therein via a register interface).

Regarding **claim 11**, LIN discloses the method of claim 2, wherein the security determination is based at least in part on execution of a rule (Abstract, paragraphs [0019] and [0030]; telephone number in the searching database and the caller ID, configured data of the caller ID included in the internet calling signal is found during the

comparison, the marking indication software sends the screened telephone number of the caller ID included in the internet calling signal with a corresponding "failed verification" indication signal to a target receiving callee by displaying the screened telephone number and a failed verification indication in a telephone number display field on a callee receiving device, and stores the telephone number of caller ID and configured data of caller ID included in the internet calling signal that failed verification into the caller ID database of failed-verification telephone numbers for statistical analysis in the future so that the dynamic state of internet caller ID spoofs and malicious phone calls can be effectively monitored in a well-regulated manner).

Regarding **claim 12**, LIN discloses the method of claim 2, wherein the security determination is based at least in part on a timestamp associated with the call (Fig.4 and paragraph [0046]).

Regarding **claim 13**, LIN discloses the method of claim 12, further comprising detecting a replay attack based at least in part on the timestamp (Fig.4 and paragraph [0046]).

Regarding **claim 14**, LIN discloses the method of claim 2, wherein the result of the security determination comprises a score indicating a validity of a phone number associated with the caller device (paragraphs [0030]-[0032]; a verification system for screening internet caller ID spoofs and malicious phone calls includes a server, a register interface, a capturing interface, a searching and comparing software, a

searching database, a caller ID database of failed-verification telephone numbers, and marking indication software. The searching database stores a telephone number of caller ID and configured data of telephone number of every internet user. The searching and comparing software compare the telephone number of caller ID and configured data of caller ID included in the internet calling signal with a corresponding telephone number and configured data of the telephone number stored in the searching database).

Regarding **claim 15**, LIN discloses the method of claim 2, wherein the security determination is risk-based (Abstract and paragraph [0036]; a target receiving callee so that the callee can easily take suitable measures to prevent becoming the victim of telephone).

Regarding **claim 16**, LIN discloses the method of claim 2, wherein the device information associated with the caller device is not conveyed to the relying party (Abstract and paragraphs [0026] and [0036]; internet calling signal are actively compared with a telephone number and configured data of the telephone number stored in the searching database to screen out "fraudulent phone calls," a verified result of the comparison are sent together with a corresponding "failed verification" indication signal to a target receiving callee, and the fraudulent telephone number with related configured data are stored in a specific failed-verification database for actively screening caller ID spoofs and malicious phone call).

Regarding **claim 17**, LIN discloses the method of claim 2, wherein the device information associated with the caller device comprises at least one of a unique software identifier, a semi-unique software identifier, an embedded hardware identifier, or a user-added hardware identifier (Abstract, paragraphs [0003] and [0032]; a telephone number of the caller ID device).

Response to Arguments

8. Applicant's arguments with respect to claims 2-5 and 7-17 have been considered but are moot because the new ground of rejection does not rely on any reference applied in the prior rejection of record for any teaching or matter specifically challenged in the argument.

Conclusion

9. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to AKELAW A TESHALE whose telephone number is (571)270-5302. The examiner can normally be reached 9 am -6pm.

Examiner interviews are available via telephone, in-person, and video conferencing using a USPTO supplied web-based collaboration tool. To schedule an interview, applicant is encouraged to use the USPTO Automated Interview Request (AIR) at http://www.uspto.gov/interviewpractice.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Fan Tsang can be reached on (571)272-7547. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of published or unpublished applications may be obtained from Patent Center. Unpublished application information in Patent Center is available to registered users. To file and manage patent submissions in Patent Center, visit: https://patentcenter.uspto.gov. Visit https://www.uspto.gov/patents/apply/patent-center for more information about Patent Center and https://www.uspto.gov/patents/docx for information about filing in DOCX format. For additional questions, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

AKELAW TESHALE
Primary Examiner
Art Unit 2653

/AKELAW TESHALE/
Primary Examiner, Art Unit 2653

PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
L1	13	((("RIGHTQUESTION") near3 ("LLC"))).AS,AANM.	(USPAT)	OR	ON	ON	2022/04/12 11:01 PM
L2	307	((("JAKOBSSON") near3 ("Bjorn"))).INV.	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2022/04/12 11:01 PM
L3	2	"20210258421".pn.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/12 11:04 PM
L4	2	"20210258421".pn.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 09:56 AM
L5	2	"20210258421".pn. AND result$3	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO;	OR	ON	ON	2022/04/13 10:19 AM

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AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0302

			JPO; DERWENT; IBM_TDB)				
L6	2	"20070237319".pn.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 10:34 AM
L7	2	"20030156695".pn.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 10:36 AM
L8	2	"7486779".pn.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 10:44 AM
L9	492	1 OR 2	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS,	OR	ON	ON	2022/04/13 11:44 AM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0303

			IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L10	776709	(block$4 OR permit$4 OR allow$4 OR convey$4) near3 call$4	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 11:59 AM
L11	43590	10 SAME ((phone OR telephone) near2 number)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 12:02 PM
L13	259899	((calling OR caller) near2 (device OR terminal OR apparatus))	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 12:13 PM

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AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
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L14	3162	11 SAME 13	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 12:13 PM
L15	79557	(H04M3/42042 OR H04M3/382 OR H04W4/14 OR H04M2201/18 OR H04M2203/6045).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 12:14 PM
L16	1219	14 SAME ((transmit$4 OR notification OR notify$3 OR report$3 OR tell$3 OR inform$3 OR communicat$4 OR warn$3 OR alert$3 OR signal$4 OR inform$4) WITH (rely$4 OR callee OR called OR destination))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 12:18 PM
L17	161	15 AND 16	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL,	OR	ON	ON	2022/04/13 12:18 PM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0305

			NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L18	149061	(called OR callee OR relying OR destination) ADJ party	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 01:53 PM
L19	454228	(block$4 OR permit$4 OR allow$4 OR convey$4) adj3 call$4	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 01:54 PM
L20	11407	18 WITH 19	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 01:54 PM
L21	2839	20 SAME ((phone OR telephone) near2	(US-PGPUB; USPAT; USOCR; FIT (AP, AT,	OR	ON	ON	2022/04/13 01:54 PM

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AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0306

		number)	AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L22	1431	21 SAME (submit$4 OR transmit OR transmits OR transmitting OR transmission OR transmissions OR dispatch$3 OR convey$3 OR send$3 OR relay$3 OR sent OR forward$3 OR transfer OR transfers OR transference OR transferr$)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 01:56 PM
L23	240	15 AND 22	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 01:57 PM
L24	68	22 SAME security	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE,	OR	ON	ON	2022/04/13 02:00 PM

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AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0307

			SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L25	0	EP1675329	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 02:07 PM
L26	33	"1675329"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 02:07 PM
L27	11040	((called OR callee OR relying OR destination) ADJ party) WITH ((block$4 OR permit$4 OR allow$4 OR convery$4) adj3 call$4)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 02:10 PM
L28	301	27 SAME security	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU,	OR	ON	ON	2022/04/13 02:10 PM

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AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0308

			CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L29	213	28 SAME number	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 02:10 PM
L30	86	29 SAME (submit$4 OR transmit OR transmits OR transmitting OR transmission OR transmissions OR dispatch$3 OR convey$3 OR send$3 OR relay$3 OR sent OR forward$3 OR transfer OR transfers OR transference OR transferr$)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 02:30 PM
L31	8445	((called OR callee OR relying OR destination) ADJ party) near5 ((block$4 OR permit$4 OR allow$4 OR convery$4) adj3 call$4)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN,	OR	ON	ON	2022/04/13 03:30 PM

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AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0309

			WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L32	229	31 SAME security	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 03:30 PM
L33	109	32 SAME ((phone OR telephone) near2 number)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 03:31 PM
L34	21	33 SAME ((calling OR caller) near2 (device OR terminal OR apparatus))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 03:32 PM
L35	2	"20110212709".pn.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB,	OR	ON	ON	2022/04/13 03:36 PM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0310

			HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L36	1	"20110212709".pn.	(US-PGPUB; USPAT; USOCR; IBM_TDB)	OR	ON	ON	2022/04/13 03:36 PM
L37	86	((called OR callee OR relying OR destination) ADJ party) near5 ((block$4 OR permit$4 OR allow$4 OR convery$4) adj3 call$4) near5 (action OR perfoem$4 OR conduct$4 OR carry$4 OR action) near5 ((block$4 OR permit$4 OR convey$4 OR allow$4) adj5 call$4)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 03:43 PM
L38	171	("20020138271"|"20030200108"|"20030225850"|"20030236845"|"20050188045"|"20060031306"|"20060037075"|"20060195542"|"20030023736"|"20030229672"|"20040073617"|"20050021649"|"20050091320"|"20050198173"|"20060026242"|"20060161989"|"9871913"|"20040177120"|"20050076084"|"20050216587"|"20060085505"|"20060168329"|"10122715"|"10277628"|"20050235065"|"20060053279"|"20060053490"|"20060206713"|"20050033810"|"20050076240"|"20050080857"|"20050182735"|"20050283837"|"20060015563"|"20060153380"|"20060168024"|"20030009694"|"20040176072"|"20040215977"|"20050060643"|"20050097320"|"20060004772"|"20050223076"|"2	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 03:48 PM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0311

		0050257261"|"2006014 9821"|"8238532"|"2002 0184315"|"2004014835 8"|"20040203589"|"200 50188023"|"200601013 34"|"20060107323"|"90 01985").PN.					
L39	932	("20170195310"|"20020 138271"|"20030225850 "|"20030236845"|"2005 0188045"|"2006003130 6"|"20060195542"|"200 60253597"|"200700865 92"|"20070214495"|"20 070276907"|"20090292 781"|"20100198928"|"2 0100257222"|"2010029 9399"|"20110066687"|" 20130305318"|"201402 30061"|"20140245396"| "20140250506"|"20150 033343"|"20150067833 "|"20150148006"|"2015 0172233"|"2017007832 1"|"7814545"|"8719940" |"8752172"|"9258314"|" 9277049"|"2011006108 9"|"9338287"|"2003020 0108"|"20060037075"|" 20060277259"|"200700 78936"|"20070079379"| "20070208850"|"86675 81"|"8904524"|"949115 5"|"9781149"|"2018004 1491"|"20190095516"|" 20100082758"|"201700 85584"|"20090260064"| "20120253810"|"83652 58"|"20030023736"|"20 030229672"|"20050198 173"|"20060026242"|"2 0060230461"|"2006025 9558"|"20070038718"|" 20070067465"|"200701 43432"|"20070239639"| "20090064330"|"20100 030798"|"20100313253 "|"20120246725"|"2013 0318580"|"2014036614 4"|"20150236990"|"201 60225897"|"9154514"|" 9471714"|"2010005444 3"|"20040073617"|"200 50021649"|"200500913 20"|"20060161989"|"20 060282660"|"20090157 708"|"20110214187"|"2 0190012478"|"9338026	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 03:48 PM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0312

		"|"20120102566"|"2013 0036455"|"2017023032 3"|"20130185775"|"200 40177120"|"200500760 84"|"20050216587"|"20 060085505"|"20060168 329"|"20070101423"|"2 0070299916"|"2010009 4887"|"20120030293"|" 20120136780"|"201201 67233"|"20120278694"| "20130060905"|"20130 346528"|"20140082726 "|"20150030156"|"2015 0081722"|"2015032651 0"|"20160087925"|"201 70091274"|"6721784"|" 6073142"|"7299261"|"7 899866"|"8255572"|"86 76155"|"9613341"|"202 00067861"|"8769684"|" 20100293382"|"201202 04032"|"20130340079"| "7668951"|"10122715"|" 20060053279"|"200701 43407"|"20050235065"| "20060053490"|"20060 206713"|"20060224677 "|"20080004049"|"2008 0022107"|"2010004307 1"|"20100145900"|"201 20227104"|"201300831 29"|"20130128883"|"20 150371212"|"20160014 151"|"20160037270"|"2 0160104132"|"2017000 5961"|"7644274"|"7809 796"|"8583915"|"88322 02"|"8959163"|"980058 9"|"9940482"|"2017012 6661"|"7854007"|"9654 492"|"20070035390"|"2 0120191615"|"9277049 "|"20100005191"|"1027 7628"|"20080022013"|" 20080104180"|"201202 04221"|"20130173712"| "20180097841"|"89310 41"|"20070136806"|"93 32022"|"20050033810"| "20050076240"|"20050 080857"|"20050182735 "|"20060015563"|"2006 0153380"|"2006016802 4"|"20070100944"|"200 70107053"|"200903196 29"|"20110087485"|"20 110271349"|"20150113				

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0313

		627"|"20150334065"|"2 0160094566"|"2017032 4767"|"20180160387"|" 20180184289"|"791765 5"|"8010614"|"8131655" |"8560962"|"8949353"|" 8984640"|"9060057"|"9 338287"|"9473437"|"20 050283837"|"20100095 374"|"20120084866"|"2 0180131686"|"7464408 "|"7748038"|"7941842"|" 9027134"|"2014018720 3"|"20140317697"|"201 80041515"|"202000768 17"|"20050097320"|"20 040176072"|"20050060 643"|"20060004772"|"2 0070019235"|"2007019 2169"|"20080046970"|" 20080104235"|"200801 41374"|"20080175266"| "20080235794"|"20080 276315"|"20080290154 "|"20090228583"|"2010 0070761"|"2010023563 6"|"20110145152"|"201 40214895"|"201402591 58"|"20150216413"|"20 150381653"|"7809795"| "9245115"|"9560506"|"2 0030009694"|"2004021 5977"|"20070289018"|" 20180091453"|"823050 5"|"8813228"|"8880604" |"7194618"|"7631193"|" 20190306237"|"202002 44638"|"20130104198"| "20050223076"|"20050 257261"|"20060149821 "|"20080050014"|"2009 0089859"|"2010011504 0"|"20100287246"|"201 10191688"|"201201922 58"|"20120311703"|"20 130081142"|"20140258 420"|"20150100896"|"2 0150156154"|"2015028 8714"|"20150363839"|" 20170251006"|"616113 0"|"7899213"|"8566938" |"8667069"|"8667074"|" 8996042"|"9906554"|"9 501639"|"20070162742 "|"20130086645"|"2019 0095498"|"7890358"|"9 118653"|"9602508"|"20 060101334"|"20070136					

		573"|"20020184315"|"20040203589"|"20050188023"|"20060107323"|"20060265498"|"20070027992"|"20070130618"|"20070198642"|"20070271343"|"20080098237"|"20080178288"|"20090037350"|"20090210708"|"20090252159"|"20110191847"|"20110294478"|"20120242488"|"20130067012"|"20140340822"|"20160269437"|"20170331816"|"20170331824"|"6574658"|"7293063"|"7797752"|"7831522"|"8489689"|"8572184"|"9847973"|"20040148358"|"20100077483"|"20130263226"|"20140007238"|"20160012222"|"20180343246"|"8214490"|"9910984"|"20140189808"|"20200264860"|"20200265062").PN.				
L40	956	38 OR 39	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 03:48 PM
L41	8445	((called OR callee OR relying OR destination) ADJ party) near5 ((block$4 OR permit$4 OR allow$4 OR convery$4) adj3 call$4)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2022/04/13 03:49 PM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0315

			IBM_TDB)				
L42	3	40 AND 41	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 03:49 PM
L43	9830	((called OR callee OR relying OR destination) ADJ party) near5 perform$4	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 04:29 PM
L44	563042	((block$4 OR permit$4 OR convey$4 OR allow$4) near2 call$4)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 04:29 PM
L45	267	43 WITH 44	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV,	OR	ON	ON	2022/04/13 04:29 PM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0316

			MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L46	18	((called OR callee OR relying OR destination) ADJ party) AND 40	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 05:01 PM
L47	133	(spoof$4 OR scam$4 OR security) SAME (((calling OR caller) ADJ device) near2 (information OR identif$5 OR ID))	(US-PGPUB; USPAT)	OR	ON	ON	2022/04/14 09:06 PM
L48	60	(spoof$4 OR scam$4) AND 47	(US-PGPUB; USPAT)	OR	ON	ON	2022/04/14 09:08 PM
L49	49	48 AND policy	(US-PGPUB; USPAT)	OR	ON	ON	2022/04/14 09:12 PM
L50	48	49 AND ((secret OR public) near2 key)	(US-PGPUB; USPAT)	OR	ON	ON	2022/04/14 09:13 PM
L51	48	50 AND call	(US-PGPUB; USPAT)	OR	ON	ON	2022/04/14 09:20 PM
L52	4	50 AND ((telephone OR phone) near2 number)	(US-PGPUB; USPAT)	OR	ON	ON	2022/04/14 09:21 PM
L53	48	50 AND call AND number	(US-PGPUB; USPAT)	OR	ON	ON	2022/04/14 09:22 PM
L54	6	((US-20070237319-A1 OR US-20110286585-A1 OR US-20030228010-A1).did. AND PGPB.dbnm.) OR ((EP-1675329-A1).did. AND EPAB.dbnm.) OR ((US-20030228010-A1).did. AND DWPI.dbnm.) OR ((US-8774379-B1).did. AND USPT.dbnm.)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA,	OR	ON	ON	2022/04/14 09:24 PM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0317

			VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L55	0	54 AND (policy AND key)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/14 09:25 PM
L56	1049	((spoof$4 OR scam$4) SAME call) AND (policy AND key)	(US-PGPUB; USPAT)	OR	ON	ON	2022/04/14 09:25 PM
L57	140	56 AND (((calling OR caller) near2 (device OR terminal OR apparatus)) near2 (information OR ID OR identif$5))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/14 09:26 PM
L58	1258	56 AND (caller OR calling)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/14 09:29 PM
L59	772	56 AND (caller OR calling)	(US-PGPUB; USPAT)	OR	ON	ON	2022/04/14 09:29 PM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0318

L60	67	57 AND (caller OR calling)	(US-PGPUB; USPAT)	OR	ON	ON	2022/04/14 09:30 PM
L61	0	6 AND ((public OR secret) near2 key)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/14 09:35 PM
L62	2	"20120287823".pn.	(US-PGPUB; USPAT; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/14 10:13 PM
L63	1	"8774379".pn.	(US-PGPUB; USPAT)	OR	ON	ON	2022/04/14 10:40 PM
L64	2	"8774379".pn.	(US-PGPUB; USPAT; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/15 01:32 PM
L65	3	"11005989".pn.	(US-PGPUB; USPAT; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/18 08:10 PM
L66	621	("20020138271"|"20030236845"|"20060031306"|"20060195542"|"20060253597"|"20070086592"|"20070214495"|"20090292781"|"20100299399"|"20130305318"|"20140230061"|"20140250506"|"20150067833"|"7814545"|"8719940"|"8752172"|"9277049"|"20070276907"|"20030225850"|"20050188045"|"20100198928"|"20100257222"|"20110066687"|"20150033343"|"20150148006"|"20150172233"|"9258314"|"20140245396"|"20170078321"|"20030023736"|"20030229672"|"20050198173"|"20060026242"|"20060230461"|"20060259558"|"20070038718"|"20070067465"|"20070143432"|"20070239639"|"20090064330"|"20100030798"|"20100313253"|"20120246725"|"20140366144"|"20160225897"|"9471	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/24 09:57 PM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0319

		714"|"20150236990"|"2 0130318580"|"2017033 1824"|"9154514"|"2014 0245396"|"2009026006 4"|"20120253810"|"836 5258"|"20040177120"|" 20050076084"|"200502 16587"|"20060085505"| "20060168329"|"20070 101423"|"20070299916 "|"20100094887"|"2012 0030293"|"2012016723 3"|"20120278694"|"201 30346528"|"201500301 56"|"20150081722"|"20 170091274"|"6721784"| "7299261"|"7899866"|"8 255572"|"20120136780 "|"20140082726"|"2015 0326510"|"2016008792 5"|"8676155"|"6073142" |"9613341"|"201501136 27"|"20130060905"|"20 130185775"|"20050235 065"|"20060053490"|"2 0060206713"|"2006022 4677"|"20080004049"|" 20100043071"|"201001 45900"|"20120227104"| "20130083129"|"20130 128883"|"20160014151 "|"20160104132"|"2017 0005961"|"7644274"|"7 809796"|"8832202"|"20 080022107"|"20150371 212"|"20160037270"|"8 959163"|"9800589"|"99 40482"|"10122715"|"20 060053279"|"20070143 407"|"20140245396"|"2 0050033810"|"2005007 6240"|"20050080857"|" 20050182735"|"200600 15563"|"20070107053"| "20090319629"|"20110 087485"|"20110271349 "|"7917655"|"8010614"|" 8131655"|"8984640"|"9 060057"|"9338287"|"94 73437"|"20070100944"| "20150334065"|"20160 094566"|"8949353"|"20 170324767"|"8560962"| "20060107323"|"20180 160387"|"20180184289 "|"9277049"|"20060153 380"|"20060168024"|"2 0150113627"|"2006010					

		7323"|"20040176072"|"20050060643"|"20060004772"|"20070019235"|"20070192169"|"20080046970"|"20080104235"|"20080141374"|"20080175266"|"20080235794"|"20080276315"|"20080290154"|"20090228583"|"20100070761"|"20140259158"|"20150381653"|"7809795"|"9245115"|"20110145152"|"20150216413"|"9560506"|"20100235636"|"20140214895"|"8583915"|"20180160387"|"20050097320"|"20180184289"|"20050223076"|"20050257261"|"20060149821"|"20080050014"|"20090089859"|"20100115040"|"20100287246"|"20130081142"|"20150288714"|"6161130"|"7899213"|"8566938"|"8667069"|"20110191688"|"20140258420"|"20150100896"|"20150363839"|"8667074"|"8996042"|"20120311703"|"20170251006"|"20120192258"|"20150156154"|"9906554"|"20130104198"|"20170331816"|"20020184315"|"20040203589"|"20050188023"|"20060265498"|"20070027992"|"20070130618"|"20070198642"|"20070271343"|"20080178288"|"20090210708"|"20090252159"|"20110191847"|"20130067012"|"20160269437"|"6574658"|"7293063"|"7797752"|"8489689"|"20090037350"|"20110294478"|"20120242488"|"20140340822"|"8572184"|"7831522"|"9060057"|"20170331816"|"20080098237"|"9847973"|"20070136573").PN.				
L67	175	("20020138271"|"20030200108"|"20030225850"|"20030236845"|"20050188045"|"20060031306"|"20060037075"|"200	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA,	OR	ON	ON	2022/12/24 09:57 PM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0321

		60195542"|"20030023736"|"20030229672"|"20040073617"|"20050021649"|"20050091320"|"20050198173"|"20060026242"|"20060161989"|"9871913"|"20040177120"|"20050076084"|"20050216587"|"20060085505"|"20060168329"|"10122715"|"10277628"|"20050235065"|"20060053279"|"20060053490"|"20060206713"|"20050033810"|"20050076240"|"20050080857"|"20050182735"|"20050283837"|"20060015563"|"20060153380"|"20060168024"|"20120287823"|"20030009694"|"20040176072"|"20040215977"|"20050060643"|"20050097320"|"20060004772"|"20050223076"|"20050257261"|"20060149821"|"8238532"|"8774379"|"20020184315"|"20040148358"|"20040203589"|"20050188023"|"20060101334"|"20060107323"|"9001985").PN.	EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L68	621	("20020138271"|"20030236845"|"20060031306"|"20060195542"|"20060253597"|"20070086592"|"20070214495"|"20090292781"|"20100299399"|"20130305318"|"20140230061"|"20140250506"|"20150067833"|"7814545"|"8719940"|"8752172"|"9277049"|"20030225850"|"20050188045"|"20070276907"|"20100198928"|"20100257222"|"20110066687"|"20150033343"|"20150148006"|"20150172233"|"9258314"|"20140245396"|"20170078321"|"20030023736"|"20030229672"|"20050198173"|"20060026242"|"20060230461"|"20060259558"|"20070038718"|"20070067465"|"20070143432"|"20070239639"|"200900	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/24 09:58 PM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0322

		64330"|"20100030798"|"20100313253"|"20120246725"|"20140366144"|"20160225897"|"9471714"|"20150236990"|"20130318580"|"20170331824"|"9154514"|"20140245396"|"20090260064"|"20120253810"|"8365258"|"20040177120"|"20050076084"|"20050216587"|"20060085505"|"20060168329"|"20070101423"|"20070299916"|"20100094887"|"20120030293"|"20120167233"|"20120278694"|"20130346528"|"20150030156"|"20150081722"|"20170091274"|"6721784"|"7299261"|"7899866"|"8255572"|"20120136780"|"20140082726"|"20150326510"|"20160087925"|"8676155"|"6073142"|"9613341"|"20130060905"|"20150113627"|"20130185775"|"20050235065"|"20060053490"|"20060206713"|"20060224677"|"20080004049"|"20100043071"|"20100145900"|"20120227104"|"20130083129"|"20130128883"|"20160014151"|"20160104132"|"20170005961"|"7644274"|"7809796"|"8832202"|"20080022107"|"20150371212"|"20160037270"|"8959163"|"9800589"|"9940482"|"10122715"|"20060053279"|"20070143407"|"20140245396"|"20050033810"|"20050076240"|"20050080857"|"20050182735"|"20060015563"|"20070107053"|"20090319629"|"20110087485"|"20110271349"|"7917655"|"8010614"|"8131655"|"8984640"|"9060057"|"9338287"|"9473437"|"20070100944"|"20150334065"|"20160094566"|"8949353"|"20170324767"|"8560962"|"20060107323"|"20180				

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0323

		160387"|"20180184289"|"9277049"|"20060153380"|"20060168024"|"20150113627"|"20060107323"|"20040176072"|"20050060643"|"20060004772"|"20070019235"|"20070192169"|"20080046970"|"20080104235"|"20080141374"|"20080175266"|"2008023579 4"|"20080276315"|"20080290154"|"20090228583"|"20100070761"|"20140259158"|"20150381653"|"7809795"|"9245115"|"20110145152"|"20150216413"|"9560506"|"20100235636"|"20140214895"|"8583915"|"20180160387"|"20050097320"|"20180184289"|"20050223076"|"20050257261"|"20060149821"|"20080050014"|"20090089859"|"20100115040"|"20100287246"|"20130081142"|"20150288714"|"6161130"|"7899213"|"8566938"|"8667069"|"20110191688"|"20140258420"|"20150100896"|"20150363839"|"8667074"|"8996042"|"20120311703"|"20170251006"|"20120192258"|"20150156154"|"9906554"|"20130104198"|"20170331816"|"20020184315"|"20040203589"|"20050188023"|"20060265498"|"20070027992"|"20070130618"|"20070198642"|"20070271343"|"20080178288"|"20090210708"|"20090252159"|"20110191847"|"20130067012"|"20160269437"|"6574658"|"7293063"|"7797752"|"8489689"|"20090037350"|"20110294478"|"20120242488"|"20140340822"|"8572184"|"7831522"|"9060057"|"20170331816"|"20080098237"|"9847973"|"20070136573").PN.				
L69	936	("20170195310"|"20020	(US-PGPUB; USPAT;	OR	ON	ON	2022/12/24

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0324

		138271"|"20030225850"|"20030236845"|"20050188045"|"2006003130 6"|"20060195542"|"200 60253597"|"200700865 92"|"20070214495"|"20 070276907"|"20090292 781"|"20100198928"|"2 0100257222"|"2010029 9399"|"20110066687"|" 20130305318"|"201402 30061"|"20140245396"| "20140250506"|"20150 033343"|"20150067833 "|"20150148006"|"2015 0172233"|"2017007832 1"|"7814545"|"8719940" |"8752172"|"9258314"|" 9277049"|"2011006108 9"|"9338287"|"2003020 0108"|"20060037075"|" 20060277259"|"200700 78936"|"20070079379"| "20070208850"|"86675 81"|"8904524"|"949115 5"|"9781149"|"2018004 1491"|"20190095516"|" 20100082758"|"201700 85584"|"20090260064"| "20120253810"|"83652 58"|"20030023736"|"20 030229672"|"20050198 173"|"20060026242"|"2 0060230461"|"2006025 9558"|"20070038718"|" 20070067465"|"200701 43432"|"20070239639"| "20090064330"|"20100 030798"|"20100313253 "|"20120246725"|"2013 0318580"|"2014036614 4"|"20150236990"|"201 60225897"|"9154514"|" 9471714"|"2010005444 3"|"20040073617"|"200 50021649"|"200500913 20"|"20060161989"|"20 060282660"|"20090157 708"|"20110214187"|"2 0190012478"|"9338026 "|"20120102566"|"2013 0036455"|"2017023032 3"|"20130185775"|"200 40177120"|"200500760 84"|"20050216587"|"20 060085505"|"20060168 329"|"20070101423"|"2 0070299916"|"2010009	USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				09:59 PM

		4887"|"20120030293"|" 20120136780"|"201201 67233"|"20120278694"| "20130060905"|"20130 346528"|"20140082726 "|"20150030156"|"2015 0081722"|"2015032651 0"|"20160087925"|"201 70091274"|"6721784"|" 6073142"|"7299261"|"7 899866"|"8255572"|"86 76155"|"9613341"|"202 00067861"|"8769684"|" 20100293382"|"201202 04032"|"20130340079"| "7668951"|"10122715"|" 20060053279"|"200701 43407"|"20050235065"| "20060053490"|"20060 206713"|"20060224677 "|"20080004049"|"2008 0022107"|"2010004307 1"|"20100145900"|"201 20227104"|"201300831 29"|"20130128883"|"20 150371212"|"20160014 151"|"20160037270"|"2 0160104132"|"2017000 5961"|"7644274"|"7809 796"|"8583915"|"88322 02"|"8959163"|"980058 9"|"9940482"|"2017012 6661"|"7854007"|"9654 492"|"20070035390"|"2 0120191615"|"9277049 "|"20100005191"|"1027 7628"|"20080022013"|" 20080104180"|"201202 04221"|"20130173712"| "20180097841"|"89310 41"|"20070136806"|"93 32022"|"20050033810"| "20050076240"|"20050 080857"|"20050182735 "|"20060015563"|"2006 0153380"|"2006016802 4"|"20070100944"|"200 70107053"|"200903196 29"|"20110087485"|"20 110271349"|"20150113 627"|"20150334065"|"2 0160094566"|"2017032 4767"|"20180160387"|" 20180184289"|"791765 5"|"8010614"|"8131655" |"8560962"|"8949353"|" 8984640"|"9060057"|"9 338287"|"9473437"|"20				

		050283837"|"20100095 374"|"20120084866"|"2 0180131686"|"7464408 "|"7748038"|"7941842"|" 9027134"|"2014018720 3"|"20140317697"|"201 80041515"|"202000768 17"|"20050097320"|"20 040176072"|"20050060 643"|"20060004772"|"2 0070019235"|"2007019 2169"|"20080046970"|" 20080104235"|"200801 41374"|"20080175266"| "20080235794"|"20080 276315"|"20080290154 "|"20090228583"|"2010 0070761"|"2010023563 6"|"20110145152"|"201 40214895"|"201402591 58"|"20150216413"|"20 150381653"|"7809795"| "9245115"|"9560506"|"2 0030009694"|"2004021 5977"|"20070289018"|" 20180091453"|"823050 5"|"8813228"|"8880604" |"7194618"|"7631193"|" 20190306237"|"202002 44638"|"20130104198"| "20050223076"|"20050 257261"|"20060149821 "|"20080050014"|"2009 0089859"|"2010011504 0"|"20100287246"|"201 10191688"|"201201922 58"|"20120311703"|"20 130081142"|"20140258 420"|"20150100896"|"2 0150156154"|"2015028 8714"|"20150363839"|" 20170251006"|"616113 0"|"7899213"|"8566938" |"8667069"|"8667074"|" 8996042"|"9906554"|"9 501639"|"20070162742 "|"20130086645"|"2019 0095498"|"7890358"|"9 118653"|"9602508"|"20 060101334"|"20070136 573"|"20020184315"|"2 0040203589"|"2005018 8023"|"20060107323"|" 20060265498"|"200700 27992"|"20070130618"| "20070198642"|"20070 271343"|"20080098237 "|"20080178288"|"2009				

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0327

		0037350"|"20090210708"|"20090252159"|"20110191847"|"20110294478"|"20120242488"|"20130067012"|"20140340822"|"20160269437"|"20170331816"|"20170331824"|"6574658"|"7293063"|"7797752"|"7831522"|"8489689"|"8572184"|"9847973"|"20040148358"|"20100077483"|"20130263226"|"20140007238"|"20160012222"|"20180343246"|"8214490"|"9910984"|"20140189808"|"20200264860"|"20200265062").PN.					
L70	175	("20020138271"|"20030200108"|"20030225850"|"20030236845"|"20050188045"|"20060031306"|"20060037075"|"20060195542"|"20030023736"|"20030229672"|"20040073617"|"20050021649"|"20050091320"|"20050198173"|"20060026242"|"20060161989"|"9871913"|"20040177120"|"20050076084"|"20050216587"|"20060085505"|"20060168329"|"10122715"|"10277628"|"20050235065"|"20060053279"|"20060053490"|"20060206713"|"20050033810"|"20050076240"|"20050080857"|"20050182735"|"20050283837"|"20060015563"|"20060153380"|"20060168024"|"20120287823"|"20030009694"|"20040176072"|"20040215977"|"20050060643"|"20050097320"|"20060004772"|"20050223076"|"20050257261"|"20060149821"|"8238532"|"8774379"|"20020184315"|"20040148358"|"20040203589"|"20050188023"|"20060101334"|"20060107323"|"9001985").PN.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/24 09:59 PM
L71	7	((US-20070237319-A1 OR US-20110286585-	(US-PGPUB; USPAT; USOCR; FIT (AU, AP,	OR	ON	ON	2022/12/24 09:59 PM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0328

		A1 OR US-20030228010-A1 OR US-20120255004-A1).did. AND PGPB.dbnm.) OR ((EP-1675329-A1).did. AND EPAB.dbnm.) OR ((US-20030228010-A1).did. AND DWPI.dbnm.) OR ((US-8774379-B1).did. AND USPT.dbnm.)	AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L73	970	66 OR 67 OR 68 OR 69 OR 70 OR 71	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/24 10:00 PM
L74	1	("20210258421").pn.	(US-PGPUB; USPAT)	OR	ON	ON	2022/12/24 10:05 PM
L75	126417	(spoof$3 OR mask$3 OR disguis$3 OR fool$3 OR deceiv$3 OR hiding OR hide OR cover$3 up OR mimic$3 OR imitat$3 OR false OR trust$3 OR true OR bogus OR steal$3 OR spam OR unwant$4 OR scam$4) SAME call SAME ((transmit$4 OR notification OR notify$3 OR report$3 OR tell$3 OR inform$3 OR communicat$4 OR warn$3 OR alert$3 OR signal$4 OR inform$4 OR output$3 OR display$4) WITH (rely$4 OR callee OR called OR destination))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/24 10:15 PM
L76	18	73 AND 75	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU,	OR	ON	ON	2022/12/24 10:15 PM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0329

			CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L77	35713	(spoof$3 OR mask$3 OR disguis$3 OR fool$3 OR deceiv$3 OR hiding OR hide OR cover$3 OR mimic$3 OR imitat$3 OR false OR trust$3 OR bogus OR steal$3 OR spam OR unwant$4 OR scam$4) SAME call SAME ((transmit$4 OR notification OR notify$3 OR report$3 OR tell$3 OR inform$3 OR communicat$4 OR warn$3 OR alert$3 OR signal$4 OR inform$4 OR output$3 OR display$4) WITH (rely$4 OR callee OR called OR destination))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/24 10:17 PM
L78	13	73 AND 77	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/24 10:17 PM
L79	2	"20120287823".pn.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV,	OR	ON	ON	2022/12/24 11:42 PM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0330

			MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L80	2	"20110280160".pn.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/01/01 10:13 PM
L81	126565	(spoof$3 OR mask$3 OR disguis$3 OR fool$3 OR deceiv$3 OR hiding OR hide OR cover$3 up OR mimic$3 OR imitat$3 OR false OR trust$3 OR true OR bogus OR steal$3 OR spam OR unwant$4 OR scam$4 OR untrust$4) SAME call SAME ((transmit$4 OR notification OR notify$3 OR report$3 OR tell$3 OR inform$3 OR communicat$4 OR warn$3 OR alert$3 OR signal$4 OR inform$4 OR output$3 OR display$4) WITH (rely$4 OR callee OR called OR destination))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/01/01 11:23 PM
L83	146	81 AND (security SAME reputat$4)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE,	OR	ON	ON	2023/01/01 11:23 PM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0331

			SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L84	47	81 AND (security SAME reputat$4 SAME call)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/01/01 11:24 PM
L86	23	84 AND ((spoof$3 OR mask$3 OR disguis$3 OR false OR trust$3 OR true OR bogus OR steal$3 OR spam OR unwant$4 OR scam$4 OR untrust$4) WITH call)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/01/01 11:45 PM
L87	84506	(H04M3/42042 OR H04M3/382 OR H04W4/14 OR H04M2201/18 OR H04M2203/6045).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/01/02 09:43 AM
L88	11	83 AND 87	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU,	OR	ON	ON	2023/01/02 09:43 AM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0332

			CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L89	622	(call SAME secur$4 SAME reputat$4)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/01/02 09:44 AM
L90	21	87 AND 89	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/01/02 09:44 AM
L91	0	2012/0287823.pn.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN,	OR	ON	ON	2023/01/02 04:39 PM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0333

			WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L92	2	"20120287823".pn.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/01/02 04:39 PM
L93	17	((("RIGHTQUESTION") near3 ("LLC"))).AS,AANM.	(USPAT)	OR	ON	ON	2023/01/03 09:06 AM
L94	327	((("JAKOBSSON") near3 ("Bjorn"))).INV.	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2023/01/03 09:32 AM
L95	327	93 OR 94	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2023/01/03 09:32 AM
L96	0	95 AND 89	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2023/01/03 09:33 AM

PE2E SEARCH - Search History (Interference)

There are no Interference searches to show.

PE2E SEARCH - Search History (Similarity Search)

No Similarity Results available

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
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UNITED STATES PATENT AND TRADEMARK OFFICE

USPTO Automated Interview Request (AIR)

Apr 7 2023

This paper requesting to schedule and/or conduct an interview is appropriate because:

This submission is requested to be accepted as an authorization for this interview to communicate via the internet. Recognizing that Internet communications are not secure, I hereby authorize the USPTO to communicate with the undersigned concerning scheduling of the interview via video conference, instant messaging, or electronic mail, and to conduct the interview in accordance with office practice including video conferencing.

Name(s):
Yeu-Ting George Cheng

S-signature:
/YeuTing George Cheng/

Registration Number:
69408

U.S. Application Number:
17228566

Confirmation Number:
1684

E-mail Address:
gcheng@ip-patent.com

Phone Number:
+1 4082074765

Proposed Time of Interview:
4-19-2023 1:00 PM ET

Prefered Interview Type:
Telephonic

I am the applicant or applicant's representative for this application.

Topic for Discussion:

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/228,566	04/12/2021	Bjorn Markus Jakobsson	MJAKP016C3	1684

21912 7590 04/24/2023

VAN PELT, YI & JAMES LLP
10050 N. FOOTHILL BLVD #200
CUPERTINO, CA 95014

EXAMINER	
TESHALE, AKELAW	

ART UNIT	PAPER NUMBER
2653	

NOTIFICATION DATE	DELIVERY MODE
04/24/2023	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):

usptocorrespondence@ip-patent.com

Applicant-Initiated Interview Summary	**Application No.** 17/228,566	**Applicant(s)** Jakobsson, Bjorn Markus		
	Examiner AKELAW A TESHALE	**Art Unit** 2653	**AIA (First Inventor to File) Status** Yes	**Page** 1 of 1

All Participants (applicant, applicants representative, PTO personnel)	**Title**	**Type**
AKELAW A TESHALE	Primary Examiner	Telephonic
George Cheng	Attorney of Record	

Date of Interview: 19 April 2023

Issues Discussed:

35 U.S.C. 103

The examiner and applicant's representative discussed the difference of claim limitation and prior art rejection. The examiner suggested applicant's representative to clarify the claim limitation in order to overcome the art rejection. Based on that, the examiner agreed the draft amendments would overcome the prior art rejection. Applicant will file response accordingly.

/AKELAW TESHALE/ Primary Examiner, Art Unit 2653	

Applicant is reminded that a complete written statement as to the substance of the interview must be made of record in the application file. It is the applicants responsibility to provide the written statement, unless the interview was initiated by the Examiner and the Examiner has indicated that a written summary will be provided. See MPEP 713.04
Please further see:
MPEP 713.04
Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews, paragraph (b)
37 CFR § 1.2 Business to be transacted in writing

Applicant recordation instructions: The formal written reply to the last Office action must include the substance of the interview. (See MPEP section 713.04). If a reply to the last Office action has already been filed, applicant is given a non-extendable period of the longer of one month or thirty days from this interview date, or the mailing date of this interview summary form, whichever is later, to file a statement of the substance of the interview.

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

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0337

PTO/SB/30EFS (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

REQUEST FOR CONTINUED EXAMINATION(RCE)TRANSMITTAL
(Submitted Only via EFS-Web)

Application Number	17/228,566	Filing Date	2021-04-12	Docket Number (if applicable)	MJAKP016C3	Art Unit	2653
First Named Inventor	Bjorn Markus Jakobsson			Examiner Name	Akelaw Teshale		

This is a Request for Continued Examination (RCE) under 37 CFR 1.114 of the above-identified application.
Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8 1995, or to any design application. The Instruction Sheet for this form is located at WWW.USPTO.GOV

SUBMISSION REQUIRED UNDER 37 CFR 1.114

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

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

- ☐ Consider the arguments in the Appeal Brief or Reply Brief previously filed on _____
- ☐ Other _____

☒ Enclosed

- ☒ Amendment/Reply
- ☐ Information Disclosure Statement (IDS)
- ☐ Affidavit(s)/ Declaration(s)
- ☐ Other _____

MISCELLANEOUS

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

☐ Other _____

FEES

☒ **The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.**
The Director is hereby authorized to charge any underpayment of fees, or credit any overpayments, to Deposit Account No 500685

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

☒ Patent Practitioner Signature

Applicant Signature

PTO/SB/30EFS (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Signature of Registered U.S. Patent Practitioner			
Signature	/Yeu-Ting George Cheng/	Date (YYYY-MM-DD)	2023-05-10
Name	Yeu-Ting George Cheng	Registration Number	69408

This collection of information is required by 37 CFR 1.114. The information is required to obtain or retain a benefit by the public which is t 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 estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Tim will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions fo reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450.

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

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the informatio 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 ma be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

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

Electronic Patent Application Fee Transmittal

Application Number:	17228566
Filing Date:	12-Apr-2021
Title of Invention:	VALIDATING AUTOMATIC NUMBER IDENTIFICATION DATA
First Named Inventor/Applicant Name:	Bjorn Markus Jakobsson
Filer:	Yeu-Ting George Cheng/Elaine Nguyen
Attorney Docket Number:	MJAKP016C3

Filed as Large Entity

Filing Fees for Utility under 35 USC 111(a)

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

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension - 1 month with $0 paid	1251	1	220	220
Miscellaneous:				
RCE- 1ST REQUEST	1801	1	1360	1360
		Total in USD ($)		**1580**

Electronic Acknowledgement Receipt

EFS ID:	47983754
Application Number:	17228566
International Application Number:	
Confirmation Number:	1684
Title of Invention:	VALIDATING AUTOMATIC NUMBER IDENTIFICATION DATA
First Named Inventor/Applicant Name:	Bjorn Markus Jakobsson
Customer Number:	21912
Filer:	Yeu-Ting George Cheng/Elaine Nguyen
Filer Authorized By:	Yeu-Ting George Cheng
Attorney Docket Number:	MJAKP016C3
Receipt Date:	10-MAY-2023
Filing Date:	12-APR-2021
Time Stamp:	19:20:31
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	$1580
RAM confirmation Number	E202350J21225103
Deposit Account	500685
Authorized User	Elaine Nguyen

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	Request for Continued Examination (RCE)	MJAKP016C3_AMD_C_RCE.pdf	1322839 abfd4473442c151f19b9615195eb03e2aa636501	no	3
Warnings:					
Information:					
2	Amendment Submitted/Entered with Filing of Continued Prosecution Application (CPA)/Request for Continued Examination(RCE)	MJAKP016C3_AMD_C.pdf	119552 ab1f46e960f643bd91725f1c864c52156a8a15e2	no	6
Warnings:					
Information:					
3	Fee Worksheet (SB06)	fee-info.pdf	40866 b3fcf123586bdb44030c72f31c60b2302b4be1ae	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	1483257		

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.

INTERVIEW SUMMARY

A telephonic interview in the above-referenced case was conducted on April 19, 2023 between the Examiner and the Applicants' undersigned representative. The Office Action mailed on January 10, 2023 was discussed. Specifically, the rejections of Claim 2 in light of Lin, Youngs, and Yang and the proposed amendments set forth herein were discussed with the intent to place the claims in better condition for allowance or appeal.

The Applicants thank the Examiner for the interview.

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AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
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IN THE CLAIMS

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

Listing of Claims:

1. (Cancelled)

2. (Currently amended) A method, comprising:

receiving information pertaining to a call initiated by a caller device, wherein the information pertaining to the call comprises data related to (1) a phone number associated with a callee device, and (2) device information associated with the caller device;

based at least in part on the device information associated with the caller device, transmitting a message directed to the caller device, the message comprising a component value;

performing a security determination based at least in part on whether a valid response corresponding to the message and referring to the component value is received ~~a reputation score, wherein the reputation score is based at least in part on an indication of a potential spoof attempt~~; and

transmitting, using a cellular network, a result of the security determination to a relying party, wherein based at least in part on the result of the security determination, the relying party facilitates performing ~~performs an action comprising~~ at least one of: blocking the call, permitting the call, conveying an assurance to the callee device, or conveying caller identifier information to the callee device.

3. (Previously Presented) The method of claim 2, wherein the security determination is based at least in part on a policy.

4. (Previously Presented) The method of claim 2, wherein the device information associated with the caller device comprises a unique identifier.

5. (Previously Presented) The method of claim 2, wherein the device information associated with the caller device comprises Automated Number Identification (ANI) information.

6. (Cancelled)

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AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
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7. (Previously Presented) The method of claim 2, wherein the security determination is based at least in part on a validation of the information pertaining to the call.

8. (Previously Presented) The method of claim 2, further comprising storing, in a data store, at least one record including contents associated with the caller device.

9. (Previously Presented) The method of claim 2, further comprising storing, in a data store, at least one certificate used to validate the call.

10. (Previously Presented) The method of claim 2, wherein the call is validated at least in part by using at least one of a secret key or a public key.

11. (Previously Presented) The method of claim 2, wherein the security determination is based at least in part on execution of a rule.

12. (Previously Presented) The method of claim 2, wherein the security determination is based at least in part on a timestamp associated with the call.

13. (Previously Presented) The method of claim 12, further comprising detecting a replay attack based at least in part on the timestamp.

14. (Previously Presented) The method of claim 2, wherein the result of the security determination comprises a score indicating a validity of a phone number associated with the caller device.

15. (Previously Presented) The method of claim 2, wherein the security determination is risk-based.

16. (Previously Presented) The method of claim 2, wherein the device information associated with the caller device is not conveyed to the relying party.

17. (Previously Presented) The method of claim 2, wherein the device information associated with the caller device comprises at least one of a unique software identifier, a semi-unique software identifier, an embedded hardware identifier, or a user-added hardware identifier.

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AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.:	17/228,566	Examiner:	Akelaw Teshale
Filed:	April 12, 2021	Art Unit:	2653
Confirmation No.:	1684	Docket No.:	MJAKP016C3
First Inventor:	Bjorn Markus Jakobsson		
Title:	VALIDATING AUTOMATIC NUMBER IDENTIFICATION DATA		

AMENDMENT C

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

Dear Sir:

This is in response to the Office Action mailed January 10, 2023. The following amendment and remarks are respectfully submitted.

Applicant(s) believe that no (additional) fees are required beyond any fees submitted herewith. If required fees are missing or any additional fees are required during the pendency of the subject application, please charge such fees or credit any overpayment to Deposit Account No. 50-0685 (MJAKP016C3).

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
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REMARKS

Claim 2 has been amended to clarify the subject matter regarded as the invention. Claims 2-5 and 7-17 are pending.

Claim Rejections – 35 U.S.C. §103

Claims 2-5 and 7-17 stand rejected under 35 U.S.C. §103 as being unpatentable over Lin (U.S. Pub. No. 2012/0287823) in view of Youngs et al. (U.S. Pat. No. 8,774,379) in further view of Yang (U.S. Pub. No. 2011/0280160). The rejection is respectfully traversed.

As amended, independent Claim 2 recites, in part, "based at least in part on the device information associated with the caller device, transmitting a message directed to the caller device, the message comprising a component value," "performing a security determination based at least in part on whether a valid response corresponding to the message and referring to the component value is received," and "transmitting, using a cellular network, a result of the security determination to a relying party."

Support for the amendments may be found, without limitation, in Paragraphs [0036]-[0038] and [0088]-[0091] of the Specification. None of Lin, Youngs, and Yang discloses these limitations. Independent Claim 2 is therefore believed to be allowable. The remaining claims depend, either directly or indirectly, from one of the aforementioned independent claims, and are therefore also believed to be allowable for the same reasons described above.

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
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The foregoing amendments are not to be taken as an admission of unpatentability of any of the claims prior to the amendments.

Reconsideration of the application and allowance of all claims are respectfully requested based on the preceding remarks. If at any time the Examiner believes that an interview would be helpful, please contact the undersigned.

Respectfully submitted,

Dated: May 10, 2023

/Yeu-Ting George Cheng/
Yeu-Ting George Cheng
Registration No. 69408
408-207-4765

VAN PELT, YI & JAMES LLP
10050 N. Foothill Blvd., Suite 200
Cupertino, CA 95014
Fax 408-973-2595

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
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Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/228,566	Jakobsson, Bjorn Markus
	Examiner	Art Unit
	AKELAW A TESHALE	2653

CPC - Searched*		
Symbol	Date	Examiner
H04M3/42042 OR H04M3/382 OR H04W4/14 OR H04M2201/18 OR H04M2203/6045	05/20/2023	AT

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

Search Notes		
Search Notes	Date	Examiner
Inventor name search (PE2E)	05/20/2023	AT
PE2E search (US-PGPUB; USPAT; USOCR)	05/20/2023	AT
Please see PE2E search	05/20/2023	AT

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner
PE2E interference search		05/20/2023	AT

/AKELAW TESHALE/ Primary Examiner, Art Unit 2653	/AKELAW TESHALE/ Primary Examiner, Art Unit 2653

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0351

PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
L1	13	((("RIGHTQUESTION") near3 ("LLC"))).AS,AANM.	(USPAT)	OR	ON	ON	2022/04/12 11:01 PM
L2	307	((("JAKOBSSON") near3 ("Bjorn"))).INV.	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2022/04/12 11:01 PM
L3	2	"20210258421".pn.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/12 11:04 PM
L4	2	"20210258421".pn.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 09:56 AM
L5	2	"20210258421".pn. AND result$3	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO;	OR	ON	ON	2022/04/13 10:19 AM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0352

			JPO; DERWENT; IBM_TDB)				
L6	2	"20070237319".pn.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 10:34 AM
L7	2	"20030156695".pn.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 10:36 AM
L8	2	"7486779".pn.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 10:44 AM
L9	492	1 OR 2	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS,	OR	ON	ON	2022/04/13 11:44 AM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0353

			IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L10	776709	(block$4 OR permit$4 OR allow$4 OR convey$4) near3 call$4	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 11:59 AM
L11	43590	10 SAME ((phone OR telephone) near2 number)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 12:02 PM
L13	259899	((calling OR caller) near2 (device OR terminal OR apparatus))	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 12:13 PM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
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L14	3162	11 SAME 13	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 12:13 PM
L15	79557	(H04M3/42042 OR H04M3/382 OR H04W4/14 OR H04M2201/18 OR H04M2203/6045).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 12:14 PM
L16	1219	14 SAME ((transmit$4 OR notification OR notify$3 OR report$3 OR tell$3 OR inform$3 OR communicat$4 OR warn$3 OR alert$3 OR signal$4 OR inform$4) WITH (rely$4 OR callee OR called OR destination))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 12:18 PM
L17	161	15 AND 16	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL,	OR	ON	ON	2022/04/13 12:18 PM

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AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
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			NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L18	149061	(called OR callee OR relying OR destination) ADJ party	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 01:53 PM
L19	454228	(block$4 OR permit$4 OR allow$4 OR convey$4) adj3 call$4	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 01:54 PM
L20	11407	18 WITH 19	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 01:54 PM
L21	2839	20 SAME ((phone OR telephone) near2	(US-PGPUB; USPAT; USOCR; FIT (AP, AT,	OR	ON	ON	2022/04/13 01:54 PM

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AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
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		number)	AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L22	1431	21 SAME (submit$4 OR transmit OR transmits OR transmitting OR transmission OR transmissions OR dispatch$3 OR convey$3 OR send$3 OR relay$3 OR sent OR forward$3 OR transfer OR transfers OR transference OR transferr$)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 01:56 PM
L23	240	15 AND 22	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 01:57 PM
L24	68	22 SAME security	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE,	OR	ON	ON	2022/04/13 02:00 PM

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AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
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			SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L25	0	EP1675329	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 02:07 PM
L26	33	"1675329"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 02:07 PM
L27	11040	((called OR callee OR relying OR destination) ADJ party) WITH ((block$4 OR permit$4 OR allow$4 OR convery$4) adj3 call$4)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 02:10 PM
L28	301	27 SAME security	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU,	OR	ON	ON	2022/04/13 02:10 PM

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AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
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			CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L29	213	28 SAME number	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 02:10 PM
L30	86	29 SAME (submit$4 OR transmit OR transmits OR transmitting OR transmission OR transmissions OR dispatch$3 OR convey$3 OR send$3 OR relay$3 OR sent OR forward$3 OR transfer OR transfers OR transference OR transferr$)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 02:30 PM
L31	8445	((called OR callee OR relying OR destination) ADJ party) near5 ((block$4 OR permit$4 OR allow$4 OR convery$4) adj3 call$4)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN,	OR	ON	ON	2022/04/13 03:30 PM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0359

			WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L32	229	31 SAME security	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 03:30 PM
L33	109	32 SAME ((phone OR telephone) near2 number)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 03:31 PM
L34	21	33 SAME ((calling OR caller) near2 (device OR terminal OR apparatus))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 03:32 PM
L35	2	"20110212709".pn.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB,	OR	ON	ON	2022/04/13 03:36 PM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
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			HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L36	1	"20110212709".pn.	(US-PGPUB; USPAT; USOCR; IBM_TDB)	OR	ON	ON	2022/04/13 03:36 PM
L37	86	((called OR callee OR relying OR destination) ADJ party) near5 ((block$4 OR permit$4 OR allow$4 OR convery$4) adj3 call$4) near5 (action OR perfoem$4 OR conduct$4 OR carry$4 OR action) near5 ((block$4 OR permit$4 OR convey$4 OR allow$4) adj5 call$4)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 03:43 PM
L38	171	("20020138271"|"20030200108"|"20030225850"|"20030236845"|"20050188045"|"20060031306"|"20060037075"|"20060195542"|"20030023736"|"20030229672"|"20040073617"|"20050021649"|"20050091320"|"20050198173"|"20060026242"|"20060161989"|"9871913"|"20040177120"|"20050076084"|"20050216587"|"20060085505"|"20060168329"|"10122715"|"10277628"|"20050235065"|"20060053279"|"20060053490"|"20060206713"|"20050033810"|"20050076240"|"20050080857"|"20050182735"|"20050283837"|"20060015563"|"20060153380"|"20060168024"|"20030009694"|"20040176072"|"20040215977"|"20050060643"|"20050097320"|"20060004772"|"20050223076"|"2	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 03:48 PM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0361

		0050257261"|"2006014 9821"|"8238532"|"2002 0184315"|"2004014835 8"|"20040203589"|"200 50188023"|"200601013 34"|"20060107323"|"90 01985").PN.					
L39	932	("20170195310"|"20020 138271"|"20030225850 "|"20030236845"|"2005 0188045"|"2006003130 6"|"20060195542"|"200 60253597"|"200700865 92"|"20070214495"|"20 070276907"|"20090292 781"|"20100198928"|"2 0100257222"|"2010029 9399"|"20110066687"|" 20130305318"|"201402 30061"|"20140245396"| "20140250506"|"20150 033343"|"20150067833 "|"20150148006"|"2015 0172233"|"2017007832 1"|"7814545"|"8719940" |"8752172"|"9258314"|" 9277049"|"2011006108 9"|"9338287"|"2003020 0108"|"20060037075"|" 20060277259"|"200700 78936"|"20070079379"| "20070208850"|"86675 81"|"8904524"|"949115 5"|"9781149"|"2018004 1491"|"20190095516"|" 20100082758"|"201700 85584"|"20090260064"| "20120253810"|"83652 58"|"20030023736"|"20 030229672"|"20050198 173"|"20060026242"|"2 0060230461"|"2006025 9558"|"20070038718"|" 20070067465"|"200701 43432"|"20070239639"| "20090064330"|"20100 030798"|"20100313253 "|"20120246725"|"2013 0318580"|"2014036614 4"|"20150236990"|"201 60225897"|"9154514"|" 9471714"|"2010005444 3"|"20040073617"|"200 50021649"|"200500913 20"|"20060161989"|"20 060282660"|"20090157 708"|"20110214187"|"2 0190012478"|"9338026	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 03:48 PM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0362

		"|"20120102566"|"2013 0036455"|"2017023032 3"|"20130185775"|"200 40177120"|"200500760 84"|"20050216587"|"20 060085505"|"20060168 329"|"20070101423"|"2 0070299916"|"2010009 4887"|"20120030293"|" 20120136780"|"201201 67233"|"20120278694"| "20130060905"|"20130 346528"|"20140082726 "|"20150030156"|"2015 0081722"|"2015032651 0"|"20160087925"|"201 70091274"|"6721784"|" 6073142"|"7299261"|"7 899866"|"8255572"|"86 76155"|"9613341"|"202 00067861"|"8769684"|" 20100293382"|"201202 04032"|"20130340079"| "7668951"|"10122715"|" 20060053279"|"200701 43407"|"20050235065"| "20060053490"|"20060 206713"|"20060224677 "|"20080004049"|"2008 0022107"|"2010004307 1"|"20100145900"|"201 20227104"|"201300831 29"|"20130128883"|"20 150371212"|"20160014 151"|"20160037270"|"2 0160104132"|"2017000 5961"|"7644274"|"7809 796"|"8583915"|"88322 02"|"8959163"|"980058 9"|"9940482"|"2017012 6661"|"7854007"|"9654 492"|"20070035390"|"2 0120191615"|"9277049 "|"20100005191"|"1027 7628"|"20080022013"|" 20080104180"|"201202 04221"|"20130173712"| "20180097841"|"89310 41"|"20070136806"|"93 32022"|"20050033810"| "20050076240"|"20050 080857"|"20050182735 "|"20060015563"|"2006 0153380"|"2006016802 4"|"20070100944"|"200 70107053"|"200903196 29"|"20110087485"|"20 110271349"|"20150113					

		627"|"20150334065"|"2 0160094566"|"2017032 4767"|"20180160387"|" 20180184289"|"791765 5"|"8010614"|"8131655" |"8560962"|"8949353"|" 8984640"|"9060057"|"9 338287"|"9473437"|"20 050283837"|"20100095 374"|"20120084866"|"2 0180131686"|"7464408 "|"7748038"|"7941842"|" 9027134"|"2014018720 3"|"20140317697"|"201 80041515"|"202000768 17"|"20050097320"|"20 040176072"|"20050060 643"|"20060004772"|"2 0070019235"|"2007019 2169"|"20080046970"|" 20080104235"|"200801 41374"|"20080175266"| "20080235794"|"20080 276315"|"20080290154 "|"20090228583"|"2010 0070761"|"2010023563 6"|"20110145152"|"201 40214895"|"201402591 58"|"20150216413"|"20 150381653"|"7809795"| "9245115"|"9560506"|"2 0030009694"|"2004021 5977"|"20070289018"|" 20180091453"|"823050 5"|"8813228"|"8880604" |"7194618"|"7631193"|" 20190306237"|"202002 44638"|"20130104198"| "20050223076"|"20050 257261"|"20060149821 "|"20080050014"|"2009 0089859"|"2010011504 0"|"20100287246"|"201 10191688"|"201201922 58"|"20120311703"|"20 130081142"|"20140258 420"|"20150100896"|"2 0150156154"|"2015028 8714"|"20150363839"|" 20170251006"|"616113 0"|"7899213"|"8566938" |"8667069"|"8667074"|" 8996042"|"9906554"|"9 501639"|"20070162742 "|"20130086645"|"2019 0095498"|"7890358"|"9 118653"|"9602508"|"20 060101334"|"20070136					

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0364

		573"|"20020184315"|"20040203589"|"20050188023"|"20060107323"|"20060265498"|"20070027992"|"20070130618"|"20070198642"|"20070271343"|"20080098237"|"20080178288"|"20090037350"|"20090210708"|"20090252159"|"20110191847"|"20110294478"|"20120242488"|"20130067012"|"20140340822"|"20160269437"|"20170331816"|"20170331824"|"6574658"|"7293063"|"7797752"|"7831522"|"8489689"|"8572184"|"9847973"|"20040148358"|"20100077483"|"20130263226"|"20140007238"|"20160012222"|"20180343246"|"8214490"|"9910984"|"20140189808"|"20200264860"|"20200265062").PN.				
L40	956	38 OR 39	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 03:48 PM
L41	8445	((called OR callee OR relying OR destination) ADJ party) near5 ((block$4 OR permit$4 OR allow$4 OR convery$4) adj3 call$4)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2022/04/13 03:49 PM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
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			IBM_TDB)				
L42	3	40 AND 41	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 03:49 PM
L43	9830	((called OR callee OR relying OR destination) ADJ party) near5 perform$4	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 04:29 PM
L44	563042	((block$4 OR permit$4 OR convey$4 OR allow$4) near2 call$4)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 04:29 PM
L45	267	43 WITH 44	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV,	OR	ON	ON	2022/04/13 04:29 PM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
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			MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L46	18	((called OR callee OR relying OR destination) ADJ party) AND 40	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 05:01 PM
L47	133	(spoof$4 OR scam$4 OR security) SAME (((calling OR caller) ADJ device) near2 (information OR identif$5 OR ID))	(US-PGPUB; USPAT)	OR	ON	ON	2022/04/14 09:06 PM
L48	60	(spoof$4 OR scam$4) AND 47	(US-PGPUB; USPAT)	OR	ON	ON	2022/04/14 09:08 PM
L49	49	48 AND policy	(US-PGPUB; USPAT)	OR	ON	ON	2022/04/14 09:12 PM
L50	48	49 AND ((secret OR public) near2 key)	(US-PGPUB; USPAT)	OR	ON	ON	2022/04/14 09:13 PM
L51	48	50 AND call	(US-PGPUB; USPAT)	OR	ON	ON	2022/04/14 09:20 PM
L52	4	50 AND ((telephone OR phone) near2 number)	(US-PGPUB; USPAT)	OR	ON	ON	2022/04/14 09:21 PM
L53	48	50 AND call AND number	(US-PGPUB; USPAT)	OR	ON	ON	2022/04/14 09:22 PM
L54	6	((US-20070237319-A1 OR US-20110286585-A1 OR US-20030228010-A1).did. AND PGPB.dbnm.) OR ((EP-1675329-A1).did. AND EPAB.dbnm.) OR ((US-20030228010-A1).did. AND DWPI.dbnm.) OR ((US-8774379-B1).did. AND USPT.dbnm.)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA,	OR	ON	ON	2022/04/14 09:24 PM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
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			VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L55	0	54 AND (policy AND key)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/14 09:25 PM
L56	1049	((spoof$4 OR scam$4) SAME call) AND (policy AND key)	(US-PGPUB; USPAT)	OR	ON	ON	2022/04/14 09:25 PM
L57	140	56 AND (((calling OR caller) near2 (device OR terminal OR apparatus)) near2 (information OR ID OR identif$5))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/14 09:26 PM
L58	1258	56 AND (caller OR calling)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/14 09:29 PM
L59	772	56 AND (caller OR calling)	(US-PGPUB; USPAT)	OR	ON	ON	2022/04/14 09:29 PM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0368

L60	67	57 AND (caller OR calling)	(US-PGPUB; USPAT)	OR	ON	ON	2022/04/14 09:30 PM
L61	0	6 AND ((public OR secret) near2 key)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/14 09:35 PM
L62	2	"20120287823".pn.	(US-PGPUB; USPAT; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/14 10:13 PM
L63	1	"8774379".pn.	(US-PGPUB; USPAT)	OR	ON	ON	2022/04/14 10:40 PM
L64	2	"8774379".pn.	(US-PGPUB; USPAT; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/15 01:32 PM
L65	3	"11005989".pn.	(US-PGPUB; USPAT; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/18 08:10 PM
L66	621	("20020138271"|"20030236845"|"20060031306"|"20060195542"|"20060253597"|"20070086592"|"20070214495"|"20090292781"|"20100299399"|"20130305318"|"20140230061"|"20140250506"|"20150067833"|"7814545"|"8719940"|"8752172"|"9277049"|"20070276907"|"20030225850"|"20050188045"|"20100198928"|"20100257222"|"20110066687"|"20150033343"|"20150148006"|"20150172233"|"9258314"|"20140245396"|"20170078321"|"20030023736"|"20030229672"|"20050198173"|"20060026242"|"20060230461"|"20060259558"|"20070038718"|"20070067465"|"20070143432"|"20070239639"|"20090064330"|"20100030798"|"20100313253"|"20120246725"|"20140366144"|"20160225897"|"9471	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/24 09:57 PM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0369

		714"|"20150236990"|"2 0130318580"|"2017033 1824"|"9154514"|"2014 0245396"|"2009026006 4"|"20120253810"|"836 5258"|"20040177120"|" 20050076084"|"200502 16587"|"20060085505"| "20060168329"|"20070 101423"|"20070299916 "|"20100094887"|"2012 0030293"|"2012016723 3"|"20120278694"|"201 30346528"|"201500301 56"|"20150081722"|"20 170091274"|"6721784"| "7299261"|"7899866"|"8 255572"|"20120136780 "|"20140082726"|"2015 0326510"|"2016008792 5"|"8676155"|"6073142" |"9613341"|"201501136 27"|"20130060905"|"20 130185775"|"20050235 065"|"20060053490"|"2 0060206713"|"2006022 4677"|"20080004049"|" 20100043071"|"201001 45900"|"20120227104"| "20130083129"|"20130 128883"|"20160014151 "|"20160104132"|"2017 0005961"|"7644274"|"7 809796"|"8832202"|"20 080022107"|"20150371 212"|"20160037270"|"8 959163"|"9800589"|"99 40482"|"10122715"|"20 060053279"|"20070143 407"|"20140245396"|"2 0050033810"|"2005007 6240"|"20050080857"|" 20050182735"|"200600 15563"|"20070107053"| "20090319629"|"20110 087485"|"20110271349 "|"7917655"|"8010614"|" 8131655"|"8984640"|"9 060057"|"9338287"|"94 73437"|"20070100944"| "20150334065"|"20160 094566"|"8949353"|"20 170324767"|"8560962"| "20060107323"|"20180 160387"|"20180184289 "|"9277049"|"20060153 380"|"20060168024"|"2 0150113627"|"2006010					

		7323"|"20040176072"|"20050060643"|"20060004772"|"20070019235"|"20070192169"|"20080046970"|"20080104235"|"20080141374"|"20080175266"|"20080235794"|"20080276315"|"20080290154"|"20090228583"|"20100070761"|"20140259158"|"20150381653"|"7809795"|"9245115"|"20110145152"|"20150216413"|"9560506"|"20100235636"|"20140214895"|"8583915"|"20180160387"|"20050097320"|"20180184289"|"20050223076"|"20050257261"|"20060149821"|"20080050014"|"20090089859"|"20100115040"|"20100287246"|"20130081142"|"20150288714"|"6161130"|"7899213"|"8566938"|"8667069"|"20110191688"|"20140258420"|"20150100896"|"20150363839"|"8667074"|"8996042"|"20120311703"|"20170251006"|"20120192258"|"20150156154"|"9906554"|"20130104198"|"20170331816"|"20020184315"|"20040203589"|"20050188023"|"20060265498"|"20070027992"|"20070130618"|"20070198642"|"20070271343"|"20080178288"|"20090210708"|"20090252159"|"20110191847"|"20130067012"|"20160269437"|"6574658"|"7293063"|"7797752"|"8489689"|"20090037350"|"20110294478"|"20120242488"|"20140340822"|"8572184"|"7831522"|"9060057"|"20170331816"|"20080098237"|"9847973"|"20070136573").PN.				
L67	175	("20020138271"|"20030200108"|"20030225850"|"20030236845"|"20050188045"|"20060031306"|"20060037075"|"200	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA,	OR	ON	ON	2022/12/24 09:57 PM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0371

		60195542"|"20030023736"|"20030229672"|"20040073617"|"20050021649"|"20050091320"|"20050198173"|"20060026242"|"20060161989"|"9871913"|"20040177120"|"20050076084"|"20050216587"|"20060085505"|"20060168329"|"10122715"|"10277628"|"20050235065"|"20060053279"|"20060053490"|"20060206713"|"20050033810"|"20050076240"|"20050080857"|"20050182735"|"20050283837"|"20060015563"|"20060153380"|"20060168024"|"20120287823"|"20030009694"|"20040176072"|"20040215977"|"20050060643"|"20050097320"|"20060004772"|"20050223076"|"20050257261"|"20060149821"|"8238532"|"8774379"|"20020184315"|"20040148358"|"20040203589"|"20050188023"|"20060101334"|"20060107323"|"9001985").PN.	EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L68	621	("20020138271"|"20030236845"|"20060031306"|"20060195542"|"20060253597"|"20070086592"|"20070214495"|"20090292781"|"20100299399"|"20130305318"|"20140230061"|"20140250506"|"20150067833"|"7814545"|"8719940"|"8752172"|"9277049"|"20030225850"|"20050188045"|"20070276907"|"20100198928"|"20100257222"|"20110066687"|"20150033343"|"20150148006"|"20150172233"|"9258314"|"20140245396"|"20170078321"|"20030023736"|"20030229672"|"20050198173"|"20060026242"|"20060230461"|"20060259558"|"20070038718"|"20070067465"|"20070143432"|"20070239639"|"200900	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/24 09:58 PM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0372

		64330"|"20100030798"|"20100313253"|"20120246725"|"20140366144"|"20160225897"|"9471714"|"20150236990"|"20130318580"|"20170331824"|"9154514"|"20140245396"|"20090260064"|"20120253810"|"8365258"|"20040177120"|"20050076084"|"20050216587"|"20060085505"|"20060168329"|"20070101423"|"20070299916"|"20100094887"|"20120030293"|"20120167233"|"20120278694"|"20130346528"|"20150030156"|"20150081722"|"20170091274"|"6721784"|"7299261"|"7899866"|"8255572"|"20120136780"|"20140082726"|"20150326510"|"20160087925"|"8676155"|"6073142"|"9613341"|"20130060905"|"20150113627"|"20130185775"|"20050235065"|"20060053490"|"20060206713"|"20060224677"|"20080004049"|"20100043071"|"20100145900"|"20120227104"|"20130083129"|"20130128883"|"20160014151"|"20160104132"|"20170005961"|"7644274"|"7809796"|"8832202"|"20080022107"|"20150371212"|"20160037270"|"8959163"|"9800589"|"9940482"|"10122715"|"20060053279"|"20070143407"|"20140245396"|"20050033810"|"20050076240"|"20050080857"|"20050182735"|"20060015563"|"20070107053"|"20090319629"|"20110087485"|"20110271349"|"7917655"|"8010614"|"8131655"|"8984640"|"9060057"|"9338287"|"9473437"|"20070100944"|"20150334065"|"20160094566"|"8949353"|"20170324767"|"8560962"|"20060107323"|"20180				

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0373

		160387"|"20180184289"|"9277049"|"20060153380"|"20060168024"|"20150113627"|"20060107323"|"20040176072"|"20050060643"|"20060004772"|"20070019235"|"20070192169"|"20080046970"|"20080104235"|"20080141374"|"20080175266"|"20080235794"|"20080276315"|"20080290154"|"20090228583"|"20100070761"|"20140259158"|"20150381653"|"7809795"|"9245115"|"20110145152"|"20150216413"|"9560506"|"20100235636"|"20140214895"|"8583915"|"20180160387"|"20050097320"|"20180184289"|"20050223076"|"20050257261"|"20060149821"|"20080050014"|"20090089859"|"20100115040"|"20100287246"|"20130081142"|"20150288714"|"6161130"|"7899213"|"8566938"|"8667069"|"20110191688"|"20140258420"|"20150100896"|"20150363839"|"8667074"|"8996042"|"20120311703"|"20170251006"|"20120192258"|"20150156154"|"9906554"|"20130104198"|"20170331816"|"20020184315"|"20040203589"|"20050188023"|"20060265498"|"20070027992"|"20070130618"|"20070198642"|"20070271343"|"20080178288"|"20090210708"|"20090252159"|"20110191847"|"20130067012"|"20160269437"|"6574658"|"7293063"|"7797752"|"8489689"|"20090037350"|"20110294478"|"20120242488"|"20140340822"|"8572184"|"7831522"|"9060057"|"20170331816"|"20080098237"|"9847973"|"20070136573").PN.				
L69	936	("20170195310"|"20020	(US-PGPUB; USPAT;	OR	ON	ON	2022/12/24

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0374

		138271"|"20030225850"|"20030236845"|"20050188045"|"2006003130 6"|"20060195542"|"200 60253597"|"200700865 92"|"20070214495"|"20 070276907"|"20090292 781"|"20100198928"|"2 0100257222"|"2010029 9399"|"20110066687"|" 20130305318"|"201402 30061"|"20140245396"| "20140250506"|"20150 033343"|"20150067833 "|"20150148006"|"2015 0172233"|"2017007832 1"|"7814545"|"8719940" |"8752172"|"9258314"|" 9277049"|"2011006108 9"|"9338287"|"2003020 0108"|"20060037075"|" 20060277259"|"200700 78936"|"20070079379"| "20070208850"|"86675 81"|"8904524"|"949115 5"|"9781149"|"2018004 1491"|"20190095516"|" 20100082758"|"201700 85584"|"20090260064"| "20120253810"|"83652 58"|"20030023736"|"20 030229672"|"20050198 173"|"20060026242"|"2 0060230461"|"2006025 9558"|"20070038718"|" 20070067465"|"200701 43432"|"20070239639"| "20090064330"|"20100 030798"|"20100313253 "|"20120246725"|"2013 0318580"|"2014036614 4"|"20150236990"|"201 60225897"|"9154514"|" 9471714"|"2010005444 3"|"20040073617"|"200 50021649"|"200500913 20"|"20060161989"|"20 060282660"|"20090157 708"|"20110214187"|"2 0190012478"|"9338026 "|"20120102566"|"2013 0036455"|"2017023032 3"|"20130185775"|"200 40177120"|"200500760 84"|"20050216587"|"20 060085505"|"20060168 329"|"20070101423"|"2 0070299916"|"2010009	USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				09:59 PM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0375

		4887"|"20120030293"|" 20120136780"|"201201 67233"|"20120278694"| "20130060905"|"20130 346528"|"20140082726 "|"20150030156"|"2015 0081722"|"2015032651 0"|"20160087925"|"201 70091274"|"6721784"|" 6073142"|"7299261"|"7 899866"|"8255572"|"86 76155"|"9613341"|"202 00067861"|"8769684"|" 20100293382"|"201202 04032"|"20130340079"| "7668951"|"10122715"|" 20060053279"|"200701 43407"|"20050235065"| "20060053490"|"20060 206713"|"20060224677 "|"20080004049"|"2008 0022107"|"2010004307 1"|"20100145900"|"201 20227104"|"201300831 29"|"20130128883"|"20 150371212"|"20160014 151"|"20160037270"|"2 0160104132"|"2017000 5961"|"7644274"|"7809 796"|"8583915"|"88322 02"|"8959163"|"980058 9"|"9940482"|"2017012 6661"|"7854007"|"9654 492"|"20070035390"|"2 0120191615"|"9277049 "|"20100005191"|"1027 7628"|"20080022013"|" 20080104180"|"201202 04221"|"20130173712"| "20180097841"|"89310 41"|"20070136806"|"93 32022"|"20050033810"| "20050076240"|"20050 080857"|"20050182735 "|"20060015563"|"2006 0153380"|"2006016802 4"|"20070100944"|"200 70107053"|"200903196 29"|"20110087485"|"20 110271349"|"20150113 627"|"20150334065"|"2 0160094566"|"2017032 4767"|"20180160387"|" 20180184289"|"791765 5"|"8010614"|"8131655" |"8560962"|"8949353"|" 8984640"|"9060057"|"9 338287"|"9473437"|"20				

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0376

		050283837"|"20100095 374"|"20120084866"|"2 0180131686"|"7464408 "|"7748038"|"7941842"|" 9027134"|"2014018720 3"|"20140317697"|"201 80041515"|"202000768 17"|"20050097320"|"20 040176072"|"20050060 643"|"20060004772"|"2 0070019235"|"2007019 2169"|"20080046970"|" 20080104235"|"200801 41374"|"20080175266"| "20080235794"|"20080 276315"|"20080290154 "|"20090228583"|"2010 0070761"|"2010023563 6"|"20110145152"|"201 40214895"|"201402591 58"|"20150216413"|"20 150381653"|"7809795"| "9245115"|"9560506"|"2 0030009694"|"2004021 5977"|"20070289018"|" 20180091453"|"823050 5"|"8813228"|"8880604" |"7194618"|"7631193"|" 20190306237"|"202002 44638"|"20130104198"| "20050223076"|"20050 257261"|"20060149821 "|"20080050014"|"2009 0089859"|"2010011504 0"|"20100287246"|"201 10191688"|"201201922 58"|"20120311703"|"20 130081142"|"20140258 420"|"20150100896"|"2 0150156154"|"2015028 8714"|"20150363839"|" 20170251006"|"616113 0"|"7899213"|"8566938" |"8667069"|"8667074"|" 8996042"|"9906554"|"9 501639"|"20070162742 "|"20130086645"|"2019 0095498"|"7890358"|"9 118653"|"9602508"|"20 060101334"|"20070136 573"|"20020184315"|"2 0040203589"|"2005018 8023"|"20060107323"|" 20060265498"|"200700 27992"|"20070130618"| "20070198642"|"20070 271343"|"20080098237 "|"20080178288"|"2009					

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0377

		0037350"|"20090210708"|"20090252159"|"20110191847"|"20110294478"|"20120242488"|"20130067012"|"20140340822"|"20160269437"|"20170331816"|"20170331824"|"6574658"|"7293063"|"7797752"|"7831522"|"8489689"|"8572184"|"9847973"|"20040148358"|"20100077483"|"20130263226"|"20140007238"|"20160012222"|"20180343246"|"8214490"|"9910984"|"20140189808"|"20200264860"|"20200265062").PN.					
L70	175	("20020138271"|"20030200108"|"20030225850"|"20030236845"|"20050188045"|"20060031306"|"20060037075"|"20060195542"|"20030023736"|"20030229672"|"20040073617"|"20050021649"|"20050091320"|"20050198173"|"20060026242"|"20060161989"|"9871913"|"20040177120"|"20050076084"|"20050216587"|"20060085505"|"20060168329"|"10122715"|"10277628"|"20050235065"|"20060053279"|"20060053490"|"20060206713"|"20050033810"|"20050076240"|"20050080857"|"20050182735"|"20050283837"|"20060015563"|"20060153380"|"20060168024"|"20120287823"|"20030009694"|"20040176072"|"20040215977"|"20050060643"|"20050097320"|"20060004772"|"20050223076"|"20050257261"|"20060149821"|"8238532"|"8774379"|"20020184315"|"20040148358"|"20040203589"|"20050188023"|"20060101334"|"20060107323"|"9001985").PN.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/24 09:59 PM
L71	7	((US-20070237319-A1 OR US-20110286585-	(US-PGPUB; USPAT; USOCR; FIT (AU, AP,	OR	ON	ON	2022/12/24 09:59 PM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0378

		A1 OR US-20030228010-A1 OR US-20120255004-A1).did. AND PGPB.dbnm.) OR ((EP-1675329-A1).did. AND EPAB.dbnm.) OR ((US-20030228010-A1).did. AND DWPI.dbnm.) OR ((US-8774379-B1).did. AND USPT.dbnm.)	AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L73	970	66 OR 67 OR 68 OR 69 OR 70 OR 71	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/24 10:00 PM
L74	1	("20210258421").pn.	(US-PGPUB; USPAT)	OR	ON	ON	2022/12/24 10:05 PM
L75	126417	(spoof$3 OR mask$3 OR disguis$3 OR fool$3 OR deceiv$3 OR hiding OR hide OR cover$3 up OR mimic$3 OR imitat$3 OR false OR trust$3 OR true OR bogus OR steal$3 OR spam OR unwant$4 OR scam$4) SAME call SAME ((transmit$4 OR notification OR notify$3 OR report$3 OR tell$3 OR inform$3 OR communicat$4 OR warn$3 OR alert$3 OR signal$4 OR inform$4 OR output$3 OR display$4) WITH (rely$4 OR callee OR called OR destination))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/24 10:15 PM
L76	18	73 AND 75	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU,	OR	ON	ON	2022/12/24 10:15 PM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
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			CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L77	35713	(spoof$3 OR mask$3 OR disguis$3 OR fool$3 OR deceiv$3 OR hiding OR hide OR cover$3 OR mimic$3 OR imitat$3 OR false OR trust$3 OR bogus OR steal$3 OR spam OR unwant$4 OR scam$4) SAME call SAME ((transmit$4 OR notification OR notify$3 OR report$3 OR tell$3 OR inform$3 OR communicat$4 OR warn$3 OR alert$3 OR signal$4 OR inform$4 OR output$3 OR display$4) WITH (rely$4 OR callee OR called OR destination))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/24 10:17 PM
L78	13	73 AND 77	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/24 10:17 PM
L79	2	"20120287823".pn.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV,	OR	ON	ON	2022/12/24 11:42 PM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0380

			MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L80	2	"20110280160".pn.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/01/01 10:13 PM
L81	126565	(spoof$3 OR mask$3 OR disguis$3 OR fool$3 OR deceiv$3 OR hiding OR hide OR cover$3 up OR mimic$3 OR imitat$3 OR false OR trust$3 OR true OR bogus OR steal$3 OR spam OR unwant$4 OR scam$4 OR untrust$4) SAME call SAME ((transmit$4 OR notification OR notify$3 OR report$3 OR tell$3 OR inform$3 OR communicat$4 OR warn$3 OR alert$3 OR signal$4 OR inform$4 OR output$3 OR display$4) WITH (rely$4 OR callee OR called OR destination))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/01/01 11:23 PM
L83	146	81 AND (security SAME reputat$4)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE,	OR	ON	ON	2023/01/01 11:23 PM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0381

			SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L84	47	81 AND (security SAME reputat$4 SAME call)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/01/01 11:24 PM
L86	23	84 AND ((spoof$3 OR mask$3 OR disguis$3 OR false OR trust$3 OR true OR bogus OR steal$3 OR spam OR unwant$4 OR scam$4 OR untrust$4) WITH call)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/01/01 11:45 PM
L87	84506	(H04M3/42042 OR H04M3/382 OR H04W4/14 OR H04M2201/18 OR H04M2203/6045).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/01/02 09:43 AM
L88	11	83 AND 87	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU,	OR	ON	ON	2023/01/02 09:43 AM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0382

			CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L89	622	(call SAME secur$4 SAME reputat$4)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/01/02 09:44 AM
L90	21	87 AND 89	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/01/02 09:44 AM
L91	0	2012/0287823.pn.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN,	OR	ON	ON	2023/01/02 04:39 PM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0383

			WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L92	2	"20120287823".pn.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/01/02 04:39 PM
L93	17	((("RIGHTQUESTION") near3 ("LLC"))).AS,AANM.	(USPAT)	OR	ON	ON	2023/01/03 09:06 AM
L94	327	((("JAKOBSSON") near3 ("Bjorn"))).INV.	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2023/01/03 09:32 AM
L95	327	93 OR 94	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2023/01/03 09:32 AM
L96	0	95 AND 89	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2023/01/03 09:33 AM
L97	2	"20110280160".pn.	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2023/01/03 11:42 AM
L98	19	((("RIGHTQUESTION") near3 ("LLC"))).AS,AANM.	(USPAT)	OR	ON	ON	2023/05/19 09:03 PM
L99	348	((("JAKOBSSON") near3 ("Bjorn"))).INV.	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2023/05/19 09:05 PM
L100	348	98 OR 99	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2023/05/19 09:11 PM
L101	85849	(spoof$3 OR mask$3 OR trust$3 OR spam OR unwant$4 OR scam$4) SAME call$4 SAME ((transmit$4 OR notification OR notify$3 OR report$3 OR tell$3 OR inform$3 OR communicat$4 OR warn$3 OR alert$3 OR signal$4 OR inform$4 OR output$3 OR	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH,	OR	ON	ON	2023/05/19 09:13 PM

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AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0384

		display$4) WITH (rely$4 OR callee OR called OR destination))	TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L102	2	"20210258421".pn.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/19 09:14 PM
L103	32153	101 SAME (number OR counter OR pseudo)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/19 09:34 PM

PE2E SEARCH - Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
N1	0	(((called OR callee OR relying OR destination) ADJ party) SAME ((block$4 OR permit$4 OR allow$4 OR convery$4) adj3 call$4) SAME valid SAME component SAME message).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2023/05/19 10:47 PM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0385

UNITED STATES PATENT AND TRADEMARK OFFICE

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

NOTICE OF ALLOWANCE AND FEE(S) DUE

21912 7590 06/01/2023

VAN PELT, YI & JAMES LLP
10050 N. FOOTHILL BLVD #200
CUPERTINO, CA 95014

EXAMINER
TESHALE, AKELAW

ART UNIT	PAPER NUMBER
2653	

DATE MAILED: 06/01/2023

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/228,566	04/12/2021	Bjorn Markus Jakobsson	MJAKP016C3	1684

TITLE OF INVENTION: VALIDATING AUTOMATIC NUMBER IDENTIFICATION DATA

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	$1200	$0.00	$0.00	$1200	09/01/2023

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

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

HOW TO REPLY TO THIS NOTICE:

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

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

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

For purposes of this notice, small entity fees are 40% the amount of undiscounted fees, and micro entity fees are 20% the amount of undiscounted fees.

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

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

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

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0386

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), by mail or fax, or via EFS-Web.

By mail, send to: Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

By fax, send to: (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications. **Because electronic patent issuance may occur shortly after issue fee payment, any desired continuing application should preferably be filed prior to payment of this issue fee in order not to jeopardize copendency.**

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

21912 7590 06/01/2023
VAN PELT, YI & JAMES LLP
10050 N. FOOTHILL BLVD #200
CUPERTINO, CA 95014

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

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

(Typed or printed name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/228,566	04/12/2021	Bjorn Markus Jakobsson	MJAKP016C3	1684

TITLE OF INVENTION: VALIDATING AUTOMATIC NUMBER IDENTIFICATION DATA

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	$1200	$0.00	$0.00	$1200	09/01/2023

EXAMINER	ART UNIT	CLASS-SUBCLASS
TESHALE, AKELAW	2653	379-088200

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

❑ Change of correspondence address (or Change of Correspondence Address form PTO/AIA/122 or PTO/SB/122) attached.

❑ "Fee Address" indication (or "Fee Address" Indication form PTO/AIA/47 or PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

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

1 _____
2 _____
3 _____

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

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document must have been previously recorded, or filed for recordation, as set forth in 37 CFR 3.11 and 37 CFR 3.81(a). Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)

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

4a. Fees submitted: ❑Issue Fee ❑Publication Fee (if required)

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

❑ Electronic Payment via Patent Center or EFS-Web ❑ Enclosed check ❑ Non-electronic payment by credit card (Attach form PTO-2038)

❑ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment to Deposit Account No. _____

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

❑ Applicant certifying micro entity status. See 37 CFR 1.29

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

❑ Applicant asserting small entity status. See 37 CFR 1.27

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

❑ Applicant changing to regular undiscounted fee status.

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

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

Authorized Signature _____ Date _____

Typed or printed name _____ Registration No. _____

PTOL-85 Part B (08-18) Approved for use through 01/31/2020 OMB 0651-0033 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0387

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/228,566	04/12/2021	Bjorn Markus Jakobsson	MJAKP016C3	1684

21912 7590 06/01/2023

VAN PELT, YI & JAMES LLP
10050 N. FOOTHILL BLVD #200
CUPERTINO, CA 95014

EXAMINER	
TESHALE, AKELAW	
ART UNIT	PAPER NUMBER
2653	

DATE MAILED: 06/01/2023

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.

PTOL-85 (Rev. 02/11)

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0388

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

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

The information collected by PTOL-85 Part B is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Privacy Act Statement

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

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

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

Notice of Allowability	Application No. 17/228,566	Applicant(s) Jakobsson, Bjorn Markus	
	Examiner AKELAW A TESHALE	Art Unit 2653	AIA (FITF) Status Yes

-- 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 05/10/2023.
   ☐ 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 2-5 and 7-17 . 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 _____.

/AKELAW TESHALE/
Primary Examiner, Art Unit 2653

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0390

DETAILED ACTION

Reasons for Allowance

1. **Claims 2-5 and 7-17** are allowed.

2. The following is an examiner's statement of reasons for allowance: Applicant arguments/ Remarks filed on 05/10/2023 conjunction with the remark's page 5 has been reviewed by the examiner in view of the prior art of record and it is agreed that the prior art of record does not teach the independent claim 1.

Claims 3-5 and 7-17 are allowed as depending from claim 1.

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

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to AKELAW A TESHALE whose telephone number is (571)270-5302. The examiner can normally be reached on 9 am -6pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Fan Tsang can be reached on (571)272-7547. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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

AKELAW TESHALE
Primary Examiner
Art Unit 2653

/AKELAW TESHALE/
Primary Examiner, Art Unit 2653

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/228,566	Jakobsson, Bjorn Markus
	Examiner	**Art Unit**
	AKELAW A TESHALE	2653

CPC						
Symbol					**Type**	**Version**
H04M	/	3	/	42042	F	2013-01-01
H04W	/	4	/	14	I	2013-01-01
H04M	/	3	/	382	I	2013-01-01

CPC Combination Sets								
Symbol					**Type**	**Set**	**Ranking**	**Version**
	/		/					

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	15	
/AKELAW TESHALE/ Primary Examiner, Art Unit 2653	20 May 2023	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

U.S. Patent and Trademark Office — Part of Paper No.: 20230519

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0393

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/228,566	Jakobsson, Bjorn Markus
	Examiner	**Art Unit**
	AKELAW A TESHALE	2653

INTERNATIONAL CLASSIFICATION					
CLAIMED					
H04M	/	3	/	42	

NON-CLAIMED					
	/		/		

US ORIGINAL CLASSIFICATION	
CLASS	**SUBCLASS**

CROSS REFERENCES(S)						
CLASS	**SUBCLASS (ONE SUBCLASS PER BLOCK)**					

NONE		**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	15	
/AKELAW TESHALE/ Primary Examiner, Art Unit 2653	20 May 2023	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

U.S. Patent and Trademark Office — Part of Paper No.: 20230519

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0394

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/228,566	Jakobsson, Bjorn Markus
	Examiner	**Art Unit**
	AKELAW A TESHALE	2653

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

CLAIMS

Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
	1	8	10												
1	2	9	11												
2	3	10	12												
3	4	11	13												
4	5	12	14												
	6	13	15												
5	7	14	16												
6	8	15	17												
7	9														

NONE (Assistant Examiner) (Date)	**Total Claims Allowed:** 15	
/AKELAW TESHALE/ Primary Examiner, Art Unit 2653 (Primary Examiner) 20 May 2023 (Date)	O.G. Print Claim(s) 1	O.G. Print Figure 1

U.S. Patent and Trademark Office Part of Paper No.: 20230519

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0395

Bibliographic Data

Application No: 17/228,566

Foreign Priority claimed: ○ Yes ◉ No

35 USC 119 (a-d) conditions met: ☐ Yes ☑ No ☐ Met After Allowance

Verified and Acknowledged: /AKELAW TESHALE/ Examiner's Signature | Initials

Title: VALIDATING AUTOMATIC NUMBER IDENTIFICATION DATA

FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
04/12/2021	379	2653	MJAKP016C3
RULE			

APPLICANTS

RightQuestion, LLC, Portola Valley, CA, UNITED STATES

INVENTORS

Bjorn Markus Jakobsson, Portola Valley, CA, UNITED STATES

CONTINUING DATA

This application is a CON of 16785423 02/07/2020 PAT 11005989

16785423 is a CON of 16180373 11/05/2018 PAT 10674009

16180373 is a CON of 14535064 11/06/2014 PAT 10694029

14535064 has PRO of 61901322 11/07/2013

FOREIGN APPLICATIONS

IF REQUIRED, FOREIGN LICENSE GRANTED**

04/19/2021

STATE OR COUNTRY

UNITED STATES

ADDRESS

VAN PELT, YI & JAMES LLP
10050 N. FOOTHILL BLVD #200
CUPERTINO, CA 95014
UNITED STATES

FILING FEE RECEIVED

$910

Notice of References Cited	Application/Control No. 17/228,566	Applicant(s)/Patent Under Reexamination Jakobsson, Bjorn Markus	
	Examiner AKELAW A TESHALE	Art Unit 2653	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-20120287823-A1	11-2012	LIN; Chung-Yu	H04M3/42042	370/259
*	B	US-8774379-B1	07-2014	Youngs; Simon	H04W12/126	379/142.04
*	C	US-20110280160-A1	11-2011	Yang; Weilai	H04L65/1079	370/259
*	D	US-20070237319-A1	10-2007	Brown; Michael Wayne	H04M3/436	379/142.05
*	E	US-20110286585-A1	11-2011	Hodge; Stephen Lee	H04M3/38	379/88.02
*	F	US-20030228010-A1	12-2003	Clarisse, Olivier B.	H04M1/575	379/142.01
*	G	US-20120255004-A1	10-2012	Sallam; Ahmed Said	G06F21/554	726/23
*	H	US-20110294478-A1	12-2011	Trivi; Jean-Michel	H04M3/436	455/415
*	I	US-9002333-B1	04-2015	Tong; Ning	H04L63/126	455/410
*	J	US-7992205-B2	08-2011	McRae; Matthew Blake	H04L51/212	726/4
	K					
	L					
	M					

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	CPC Classification
*	N	EP-1675329-A1	06-2006	EP	CAI Y	H04L51/12
	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.

PTO/SB/30EFS (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

REQUEST FOR CONTINUED EXAMINATION(RCE)TRANSMITTAL
(Submitted Only via EFS-Web)

Application Number	17/228,566	Filing Date	2021-04-12	Docket Number (if applicable)	MJAKP016C3	Art Unit	2653
First Named Inventor	Bjorn Markus Jakobsson			Examiner Name	Akelaw Teshale		

This is a Request for Continued Examination (RCE) under 37 CFR 1.114 of the above-identified application.
Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8 1995, or to any design application. The Instruction Sheet for this form is located at WWW.USPTO.GOV

SUBMISSION REQUIRED UNDER 37 CFR 1.114

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

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

- ☐ Consider the arguments in the Appeal Brief or Reply Brief previously filed on _____
- ☐ Other _____

☒ Enclosed

- ☒ Amendment/Reply
- ☐ Information Disclosure Statement (IDS)
- ☐ Affidavit(s)/ Declaration(s)
- ☐ Other _____

MISCELLANEOUS

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

☐ Other _____

FEES

☒ **The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.**
The Director is hereby authorized to charge any underpayment of fees, or credit any overpayments, to Deposit Account No 500685

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

☒ Patent Practitioner Signature

Applicant Signature

PTO/SB/30EFS (02-18)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Signature of Registered U.S. Patent Practitioner			
Signature	/Yeu-Ting George Cheng/	Date (YYYY-MM-DD)	2023-08-31
Name	Yeu-Ting George Cheng	Registration Number	69408

This collection of information is required by 37 CFR 1.114. The information is required to obtain or retain a benefit by the public which is t 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 estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Tim will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions fo reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450.

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

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the informatio 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 ma be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.

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

Electronic Patent Application Fee Transmittal

Application Number:	17228566
Filing Date:	12-Apr-2021
Title of Invention:	VALIDATING AUTOMATIC NUMBER IDENTIFICATION DATA
First Named Inventor/Applicant Name:	Bjorn Markus Jakobsson
Filer:	Yeu-Ting George Cheng/Elaine Nguyen
Attorney Docket Number:	MJAKP016C3

Filed as Large Entity

Filing Fees for Utility under 35 USC 111(a)

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

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Miscellaneous:				
RCE- 2ND AND SUBSEQUENT REQUEST	1820	1	2000	2000
		Total in USD ($)		**2000**

Electronic Acknowledgement Receipt

EFS ID:	48523195
Application Number:	17228566
International Application Number:	
Confirmation Number:	1684
Title of Invention:	VALIDATING AUTOMATIC NUMBER IDENTIFICATION DATA
First Named Inventor/Applicant Name:	Bjorn Markus Jakobsson
Customer Number:	21912
Filer:	Yeu-Ting George Cheng/Elaine Nguyen
Filer Authorized By:	Yeu-Ting George Cheng
Attorney Docket Number:	MJAKP016C3
Receipt Date:	31-AUG-2023
Filing Date:	12-APR-2021
Time Stamp:	19:29:29
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	$2000
RAM confirmation Number	E20238UJ30006911
Deposit Account	500685
Authorized User	Elaine Nguyen

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	Request for Continued Examination (RCE)	MJAKP016C3_AMD_D_RCE.pdf	1322863 936a4e1f833d30964369e06a241bec5d9d741e77	no	3
Warnings:					
Information:					
2	Amendment Submitted/Entered with Filing of Continued Prosecution Application (CPA)/Request for Continued Examination(RCE)	MJAKP016C3_AMD_D.pdf	109761 dac5844d4042470083172b31104134d54686f086	no	5
Warnings:					
Information:					
3	Fee Worksheet (SB06)	fee-info.pdf	38141 ff5acbba5ee3b34249a95e742f9b59f66565c215	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	1470765		

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

Application No.:	17/228,566	Examiner:	Akelaw Teshale
Filed:	April 12, 2021	Art Unit:	2653
Confirmation No.:	1684	Docket No.:	MJAKP016C3
First Inventor:	Bjorn Markus Jakobsson		
Title:	VALIDATING AUTOMATIC NUMBER IDENTIFICATION DATA		

AMENDMENT D

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

Dear Sir:

A Notice of Allowance was mailed June 01, 2023. The following amendment and remarks are respectfully submitted.

Applicant(s) believe that no (additional) fees are required beyond any fees submitted herewith. If required fees are missing or any additional fees are required during the pendency of the subject application, please charge such fees or credit any overpayment to Deposit Account No. 50-0685 (MJAKP016C3).

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0405

REMARKS

Claims 2 and 16 have been amended to clarify the subject matter regarded as the invention. New Claims 18-21 have been added. Claims 2-5 and 7-21 are pending. No new matter has been added.

Support for the amendments to independent Claim 1 may be found, without limitation, in Paragraph [0058] of the Specification.

New Claims

Support for new Claims 18-21 may be found, without limitation, in Paragraphs [0055]-[0058] and [0061] of the Specification.

The foregoing amendments are not to be taken as an admission of unpatentability of any of the claims prior to the amendments.

Reconsideration of the application and allowance of all claims are respectfully requested based on the preceding remarks. If at any time the Examiner believes that an interview would be helpful, please contact the undersigned.

Respectfully submitted,

Dated: August 31, 2023

/Yeu-Ting George Cheng/
Yeu-Ting George Cheng
Registration No. 69408
408-207-4765

VAN PELT, YI & JAMES LLP
10050 N. Foothill Blvd., Suite 200
Cupertino, CA 95014
Fax 408-973-2595

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0406

IN THE CLAIMS

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

Listing of Claims:

1. (Cancelled)

2. (Currently amended) A method, comprising:

receiving information pertaining to a call initiated by a caller device, wherein the information pertaining to the call comprises data related to (1) a phone number associated with a callee device, [[and]] (2) device information associated with the caller device, and (3) a cryptographic element associated with the caller device;

~~based at least in part on the device information associated with the caller device, transmitting a message directed to the caller device, the message comprising a component value;~~

performing a security determination based at least in part on the cryptographic element associated with the caller device comprised in the received information pertaining to the call ~~whether a valid response corresponding to the message and referring to the component value is received~~; and

based at least in part on a result of the security determination performed based at least in part on the cryptographic element associated with the caller device, transmitting, using a cellular network, a notification directed to the callee device ~~a result of the security determination to a relying party, wherein based at least in part on the result of the security determination, the relying party facilitates performing at least one of: blocking the call, permitting the call, conveying an assurance to the callee device, or conveying caller identifier information to the callee device~~.

3. (Previously Presented) The method of claim 2, wherein the security determination is based at least in part on a policy.

4. (Previously Presented) The method of claim 2, wherein the device information associated with the caller device comprises a unique identifier.

5. (Previously Presented) The method of claim 2, wherein the device information

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AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0407

associated with the caller device comprises Automated Number Identification (ANI) information.

6. (Cancelled)

7. (Previously Presented) The method of claim 2, wherein the security determination is based at least in part on a validation of the information pertaining to the call.

8. (Previously Presented) The method of claim 2, further comprising storing, in a data store, at least one record including contents associated with the caller device.

9. (Previously Presented) The method of claim 2, further comprising storing, in a data store, at least one certificate used to validate the call.

10. (Previously Presented) The method of claim 2, wherein the call is validated at least in part by using at least one of a secret key or a public key.

11. (Previously Presented) The method of claim 2, wherein the security determination is based at least in part on execution of a rule.

12. (Previously Presented) The method of claim 2, wherein the security determination is based at least in part on a timestamp associated with the call.

13. (Previously Presented) The method of claim 12, further comprising detecting a replay attack based at least in part on the timestamp.

14. (Previously Presented) The method of claim 2, wherein the result of the security determination comprises a score indicating a validity of a phone number associated with the caller device.

15. (Previously Presented) The method of claim 2, wherein the security determination is risk-based.

16. (Currently amended) The method of claim 2, wherein the device information associated with the caller device is not conveyed to [[the]] a relying party.

17. (Previously Presented) The method of claim 2, wherein the device information associated with the caller device comprises at least one of a unique software identifier, a semi-unique software identifier, an embedded hardware identifier, or a user-added hardware identifier.

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AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
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18. (New) The method of claim 2, wherein the result of the security determination is transmitted to a relying party.

19. (New) The method of claim 2, wherein transmitting the notification using the cellular network comprises conveying an assurance to the callee device or conveying a failure to confirm the call.

20. (New) The method of claim 2, wherein transmitting the notification using the cellular network comprises conveying caller identification information to the callee device.

21. (New) The method of claim 2, wherein transmitting the notification using the cellular network causes a visual indication of the result of the security determination to be displayed on the callee device.

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0409

PTO/SB/06 (09-11)
Approved for use through 1/31/2014. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 17/228,566	Filing Date 04/12/2021	☐ To be Mailed

ENTITY: ☑ LARGE ☐ SMALL ☐ MICRO

APPLICATION AS FILED - PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA		RATE ($)	FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A		N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A		N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*		x $100 =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*		x $480 =	
☐ APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is $310 ($155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).				
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))					
* If the difference in column 1 is less than zero, enter "0" in column 2.				TOTAL	

APPLICATION AS AMENDED - PART II

		(Column 1)		(Column 2)	(Column 3)			
AMENDMENT	08/31/2023	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 19	Minus	** 20	= 0		x $100 =	0
	Independent (37 CFR 1.16(h))	* 1	Minus	*** 3	= 0		x $480 =	0
	☐ Application Size Fee (37 CFR 1.16(s))							
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							
							TOTAL ADD'L FEE	0

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

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.	LIE
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".	/RENEE D HAWKINS/
*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".	
The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.	

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

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

Notice of References Cited	Application/Control No. 17/228,566	Applicant(s)/Patent Under Reexamination Jakobsson, Bjorn Markus	
	Examiner AKELAW A TESHALE	Art Unit 2653	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-20120287823-A1	11-2012	LIN; Chung-Yu	H04M3/42042	370/259
*	B	US-8774379-B1	07-2014	Youngs; Simon	H04W12/126	379/142.04
*	C	US-20110280160-A1	11-2011	Yang; Weilai	H04L65/1079	370/259
*	D	US-20070237319-A1	10-2007	Brown; Michael Wayne	H04M3/436	379/142.05
*	E	US-20110286585-A1	11-2011	Hodge; Stephen Lee	H04M3/38	379/88.02
*	F	US-20030228010-A1	12-2003	Clarisse, Olivier B.	H04M1/575	379/142.01
*	G	US-20120255004-A1	10-2012	Sallam; Ahmed Said	G06F21/554	726/23
*	H	US-20110294478-A1	12-2011	Trivi; Jean-Michel	H04M3/436	455/415
*	I	US-9002333-B1	04-2015	Tong; Ning	H04L63/126	455/410
*	J	US-7992205-B2	08-2011	McRae; Matthew Blake	H04L51/212	726/4
	K					
	L					
	M					

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	CPC Classification
*	N	EP-1675329-A1	06-2006	EP	CAI Y	H04L51/12
	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.

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0411

Bibliographic Data

Application No: 17/228,566

Foreign Priority claimed: ○ Yes ◉ No

35 USC 119 (a-d) conditions met: ☐ Yes ☑ No ☑ Met After Allowance

Verified and Acknowledged: /AKELAW TESHALE/ (Examiner's Signature) | A.T (Initials)

Title: VALIDATING AUTOMATIC NUMBER IDENTIFICATION DATA

FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
04/12/2021	379	2653	MJAKP016C3
RULE			

APPLICANTS

RightQuestion, LLC, Portola Valley, CA, UNITED STATES

INVENTORS

Bjorn Markus Jakobsson, Portola Valley, CA, UNITED STATES

CONTINUING DATA

This application is a CON of 16785423 02/07/2020 PAT 11005989

16785423 is a CON of 16180373 11/05/2018 PAT 10674009

16180373 is a CON of 14535064 11/06/2014 PAT 10694029

14535064 has PRO of 61901322 11/07/2013

FOREIGN APPLICATIONS

IF REQUIRED, FOREIGN LICENSE GRANTED**

04/19/2021

STATE OR COUNTRY

UNITED STATES

ADDRESS

VAN PELT, YI & JAMES LLP
10050 N. FOOTHILL BLVD #200
CUPERTINO, CA 95014
UNITED STATES

FILING FEE RECEIVED

$910

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/228,566	Jakobsson, Bjorn Markus
	Examiner	**Art Unit**
	AKELAW A TESHALE	2653

CPC						
Symbol					**Type**	**Version**
H04M	/	3	/	42042	F	2013-01-01
H04W	/	4	/	14	I	2013-01-01
H04M	/	3	/	382	I	2013-01-01

CPC Combination Sets								
Symbol					**Type**	**Set**	**Ranking**	**Version**
	/		/					

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	19	
/AKELAW TESHALE/ Primary Examiner, Art Unit 2653	09 September 2023	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

U.S. Patent and Trademark Office

Part of Paper No.: 20230908

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0413

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/228,566	Jakobsson, Bjorn Markus
	Examiner	**Art Unit**
	AKELAW A TESHALE	2653

INTERNATIONAL CLASSIFICATION					
CLAIMED					
H04M	/	3	/	42	

NON-CLAIMED					
	/		/		

US ORIGINAL CLASSIFICATION	
CLASS	**SUBCLASS**

CROSS REFERENCES(S)						
CLASS	**SUBCLASS (ONE SUBCLASS PER BLOCK)**					

NONE (Assistant Examiner) (Date)	**Total Claims Allowed:** 19	
/AKELAW TESHALE/ Primary Examiner, Art Unit 2653 (Primary Examiner) 09 September 2023 (Date)	O.G. Print Claim(s) 1	O.G. Print Figure 1

U.S. Patent and Trademark Office Part of Paper No.: 20230908

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0414

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/228,566	Jakobsson, Bjorn Markus
	Examiner	**Art Unit**
	AKELAW A TESHALE	2653

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

CLAIMS

Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original
	1	8	10	17	19										
1	2	9	11	18	20										
2	3	10	12	19	21										
3	4	11	13												
4	5	12	14												
	6	13	15												
5	7	14	16												
6	8	15	17												
7	9	16	18												

NONE		**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	19	
/AKELAW TESHALE/ Primary Examiner, Art Unit 2653	09 September 2023	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

U.S. Patent and Trademark Office

Part of Paper No.: 20230908

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0415

UNITED STATES PATENT AND TRADEMARK OFFICE

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

NOTICE OF ALLOWANCE AND FEE(S) DUE

21912 7590 09/15/2023
VAN PELT, YI & JAMES LLP
10050 N. FOOTHILL BLVD #200
CUPERTINO, CA 95014

EXAMINER
TESHALE, AKELAW

ART UNIT	PAPER NUMBER
2653	

DATE MAILED: 09/15/2023

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/228,566	04/12/2021	Bjorn Markus Jakobsson	MJAKP016C3	1684

TITLE OF INVENTION: VALIDATING AUTOMATIC NUMBER IDENTIFICATION DATA

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	$1200	$0.00	$0.00	$1200	12/15/2023

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

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

HOW TO REPLY TO THIS NOTICE:

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

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

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

For purposes of this notice, small entity fees are 40% the amount of undiscounted fees, and micro entity fees are 20% the amount of undiscounted fees.

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

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

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

PTOL-85 (Rev. 02/11)

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0416

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), by mail or fax, or via EFS-Web.

By mail, send to: Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

By fax, send to: (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications. **Because electronic patent issuance may occur shortly after issue fee payment, any desired continuing application should preferably be filed prior to payment of this issue fee in order not to jeopardize copendency.**

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

21912 7590 09/15/2023
VAN PELT, YI & JAMES LLP
10050 N. FOOTHILL BLVD #200
CUPERTINO, CA 95014

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

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

(Typed or printed name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/228,566	04/12/2021	Bjorn Markus Jakobsson	MJAKP016C3	1684

TITLE OF INVENTION: VALIDATING AUTOMATIC NUMBER IDENTIFICATION DATA

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	$1200	$0.00	$0.00	$1200	12/15/2023

EXAMINER	ART UNIT	CLASS-SUBCLASS
TESHALE, AKELAW	2653	379-088200

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

❑ Change of correspondence address (or Change of Correspondence Address form PTO/AIA/122 or PTO/SB/122) attached.

❑ "Fee Address" indication (or "Fee Address" Indication form PTO/AIA/47 or PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

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

1 _____
2 _____
3 _____

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

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document must have been previously recorded, or filed for recordation, as set forth in 37 CFR 3.11 and 37 CFR 3.81(a). Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)

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

4a. Fees submitted: ❑ Issue Fee ❑ Publication Fee (if required)

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

❑ Electronic Payment via Patent Center or EFS-Web ❑ Enclosed check ❑ Non-electronic payment by credit card (Attach form PTO-2038)

❑ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment to Deposit Account No. _____

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

❑ Applicant certifying micro entity status. See 37 CFR 1.29

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

❑ Applicant asserting small entity status. See 37 CFR 1.27

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

❑ Applicant changing to regular undiscounted fee status.

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

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

Authorized Signature _____ Date _____

Typed or printed name _____ Registration No. _____

PTOL-85 Part B (08-18) Approved for use through 01/31/2020 OMB 0651-0033 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0417

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/228,566	04/12/2021	Bjorn Markus Jakobsson	MJAKP016C3	1684

21912 7590 09/15/2023
VAN PELT, YI & JAMES LLP
10050 N. FOOTHILL BLVD #200
CUPERTINO, CA 95014

EXAMINER	
TESHALE, AKELAW	
ART UNIT	PAPER NUMBER
2653	

DATE MAILED: 09/15/2023

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.

PTOL-85 (Rev. 02/11)

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0418

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

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

The information collected by PTOL-85 Part B is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Privacy Act Statement

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

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

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

Notice of Allowability	Application No. 17/228,566	Applicant(s) Jakobsson, Bjorn Markus	
	Examiner AKELAW A TESHALE	Art Unit 2653	AIA (FITF) Status Yes

-- 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 08/31/2023.
   ☐ 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 2-5 and 7-21 . 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 _____.

/AKELAW TESHALE/
Primary Examiner, Art Unit 2653

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0420

DETAILED ACTION

Allowable Subject Matter

1. **Claims 2,3-5 and 7-21** are allowed.

2. The following is an examiner statement of reasons for allowance:

Regarding **claim 1,** the closest prior art (U.S Pub. No. 2012/0287823 A1 to LIN and U.S Patent No 8,774,379 B1 to Youngs et al) do not teach nor reasonably suggest " performing a security determination based at least in part on the cryptographic element associated with the caller device comprised in the received information pertaining to the call; and based at least in part on a result of the security determination performed based at least in part on the cryptographic element associated with the caller device, transmitting, using a cellular network, a notification directed to the callee device."

Claims 2-5 and 7-21 are allowed as depending from allowed claim 1.

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

Conclusion

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to AKELAW A TESHALE whose telephone number is (571)270-5302. The examiner can normally be reached 9 am -6pm.

Examiner interviews are available via telephone, in-person, and video conferencing using a USPTO supplied web-based collaboration tool. To schedule an interview, applicant is encouraged to use the USPTO Automated Interview Request (AIR) at http://www.uspto.gov/interviewpractice.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Fan Tsang can be reached on (571)272-7547. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of published or unpublished applications may be obtained from Patent Center. Unpublished application information in Patent Center is available to registered users. To file and manage patent submissions in Patent Center, visit: https://patentcenter.uspto.gov. Visit https://www.uspto.gov/patents/apply/patent-center for more information about Patent Center and https://www.uspto.gov/patents/docx for information about filing in DOCX format. For additional questions, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

AKELAW TESHALE
Primary Examiner
Art Unit 2653

/AKELAW TESHALE/
Primary Examiner, Art Unit 2653

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/228,566	Jakobsson, Bjorn Markus
	Examiner	Art Unit
	AKELAW A TESHALE	2653

CPC - Searched*		
Symbol	Date	Examiner
H04M3/42042 OR H04M3/382 OR H04W4/14 OR H04M2201/18 OR H04M2203/6045	09/09/2023	AT

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

Search Notes		
Search Notes	Date	Examiner
Inventor name search (PE2E)	09/09/2023	AT
PE2E search (US-PGPUB; USPAT; USOCR)	09/09/2023	AT
Please see PE2E search	09/09/2023	AT

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner
PE2E interference search		09/09/2023	AT

/AKELAW TESHALE/ Primary Examiner, Art Unit 2653	/AKELAW TESHALE/ Primary Examiner, Art Unit 2653

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
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PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
L1	13	((("RIGHTQUESTION") near3 ("LLC"))).AS,AANM.	(USPAT)	OR	ON	ON	2022/04/12 11:01 PM
L2	307	((("JAKOBSSON") near3 ("Bjorn"))).INV.	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2022/04/12 11:01 PM
L3	2	"20210258421".pn.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/12 11:04 PM
L4	2	"20210258421".pn.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 09:56 AM
L5	2	"20210258421".pn. AND result$3	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO;	OR	ON	ON	2022/04/13 10:19 AM

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AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
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			JPO; DERWENT; IBM_TDB)				
L6	2	"20070237319".pn.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 10:34 AM
L7	2	"20030156695".pn.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 10:36 AM
L8	2	"7486779".pn.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 10:44 AM
L9	492	1 OR 2	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS,	OR	ON	ON	2022/04/13 11:44 AM

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AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
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			IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L10	776709	(block$4 OR permit$4 OR allow$4 OR convey$4) near3 call$4	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 11:59 AM
L11	43590	10 SAME ((phone OR telephone) near2 number)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 12:02 PM
L13	259899	((calling OR caller) near2 (device OR terminal OR apparatus))	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 12:13 PM

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AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
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L14	3162	11 SAME 13	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 12:13 PM
L15	79557	(H04M3/42042 OR H04M3/382 OR H04W4/14 OR H04M2201/18 OR H04M2203/6045).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 12:14 PM
L16	1219	14 SAME ((transmit$4 OR notification OR notify$3 OR report$3 OR tell$3 OR inform$3 OR communicat$4 OR warn$3 OR alert$3 OR signal$4 OR inform$4) WITH (rely$4 OR callee OR called OR destination))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 12:18 PM
L17	161	15 AND 16	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL,	OR	ON	ON	2022/04/13 12:18 PM

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AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
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			NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L18	149061	(called OR callee OR relying OR destination) ADJ party	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 01:53 PM
L19	454228	(block$4 OR permit$4 OR allow$4 OR convey$4) adj3 call$4	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 01:54 PM
L20	11407	18 WITH 19	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 01:54 PM
L21	2839	20 SAME ((phone OR telephone) near2	(US-PGPUB; USPAT; USOCR; FIT (AP, AT,	OR	ON	ON	2022/04/13 01:54 PM

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AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
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		number)	AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L22	1431	21 SAME (submit$4 OR transmit OR transmits OR transmitting OR transmission OR transmissions OR dispatch$3 OR convey$3 OR send$3 OR relay$3 OR sent OR forward$3 OR transfer OR transfers OR transference OR transferr$)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 01:56 PM
L23	240	15 AND 22	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 01:57 PM
L24	68	22 SAME security	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE,	OR	ON	ON	2022/04/13 02:00 PM

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AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
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			SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L25	0	EP1675329	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 02:07 PM
L26	33	"1675329"	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 02:07 PM
L27	11040	((called OR callee OR relying OR destination) ADJ party) WITH ((block$4 OR permit$4 OR allow$4 OR convery$4) adj3 call$4)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 02:10 PM
L28	301	27 SAME security	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU,	OR	ON	ON	2022/04/13 02:10 PM

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AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
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			CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L29	213	28 SAME number	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 02:10 PM
L30	86	29 SAME (submit$4 OR transmit OR transmits OR transmitting OR transmission OR transmissions OR dispatch$3 OR convey$3 OR send$3 OR relay$3 OR sent OR forward$3 OR transfer OR transfers OR transference OR transferr$)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 02:30 PM
L31	8445	((called OR callee OR relying OR destination) ADJ party) near5 ((block$4 OR permit$4 OR allow$4 OR convery$4) adj3 call$4)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN,	OR	ON	ON	2022/04/13 03:30 PM

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			WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L32	229	31 SAME security	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 03:30 PM
L33	109	32 SAME ((phone OR telephone) near2 number)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 03:31 PM
L34	21	33 SAME ((calling OR caller) near2 (device OR terminal OR apparatus))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 03:32 PM
L35	2	"20110212709".pn.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB,	OR	ON	ON	2022/04/13 03:36 PM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0432

			HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L36	1	"20110212709".pn.	(US-PGPUB; USPAT; USOCR; IBM_TDB)	OR	ON	ON	2022/04/13 03:36 PM
L37	86	((called OR callee OR relying OR destination) ADJ party) near5 ((block$4 OR permit$4 OR allow$4 OR convery$4) adj3 call$4) near5 (action OR perfoem$4 OR conduct$4 OR carry$4 OR action) near5 ((block$4 OR permit$4 OR convey$4 OR allow$4) adj5 call$4)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 03:43 PM
L38	171	("20020138271"|"20030200108"|"20030225850"|"20030236845"|"20050188045"|"20060031306"|"20060037075"|"20060195542"|"20030023736"|"20030229672"|"20040073617"|"20050021649"|"20050091320"|"20050198173"|"20060026242"|"20060161989"|"9871913"|"20040177120"|"20050076084"|"20050216587"|"20060085505"|"20060168329"|"10122715"|"10277628"|"20050235065"|"20060053279"|"20060053490"|"20060206713"|"20050033810"|"20050076240"|"20050080857"|"20050182735"|"20050283837"|"20060015563"|"20060153380"|"20060168024"|"20030009694"|"20040176072"|"20040215977"|"20050060643"|"20050097320"|"20060004772"|"20050223076"|"2	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 03:48 PM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
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		0050257261"|"2006014 9821"|"8238532"|"2002 0184315"|"2004014835 8"|"20040203589"|"200 50188023"|"200601013 34"|"20060107323"|"90 01985").PN.					
L39	932	("20170195310"|"20020 138271"|"20030225850 "|"20030236845"|"2005 0188045"|"2006003130 6"|"20060195542"|"200 60253597"|"200700865 92"|"20070214495"|"20 070276907"|"20090292 781"|"20100198928"|"2 0100257222"|"2010029 9399"|"20110066687"|" 20130305318"|"201402 30061"|"20140245396"| "20140250506"|"20150 033343"|"20150067833 "|"20150148006"|"2015 0172233"|"2017007832 1"|"7814545"|"8719940" |"8752172"|"9258314"|" 9277049"|"2011006108 9"|"9338287"|"2003020 0108"|"20060037075"|" 20060277259"|"200700 78936"|"20070079379"| "20070208850"|"86675 81"|"8904524"|"949115 5"|"9781149"|"2018004 1491"|"20190095516"|" 20100082758"|"201700 85584"|"20090260064"| "20120253810"|"83652 58"|"20030023736"|"20 030229672"|"20050198 173"|"20060026242"|"2 0060230461"|"2006025 9558"|"20070038718"|" 20070067465"|"200701 43432"|"20070239639"| "20090064330"|"20100 030798"|"20100313253 "|"20120246725"|"2013 0318580"|"2014036614 4"|"20150236990"|"201 60225897"|"9154514"|" 9471714"|"2010005444 3"|"20040073617"|"200 50021649"|"200500913 20"|"20060161989"|"20 060282660"|"20090157 708"|"20110214187"|"2 0190012478"|"9338026	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 03:48 PM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0434

		"|"20120102566"|"2013 0036455"|"2017023032 3"|"20130185775"|"200 40177120"|"200500760 84"|"20050216587"|"20 060085505"|"20060168 329"|"20070101423"|"2 0070299916"|"2010009 4887"|"20120030293"|" 20120136780"|"201201 67233"|"20120278694"| "20130060905"|"20130 346528"|"20140082726 "|"20150030156"|"2015 0081722"|"2015032651 0"|"20160087925"|"201 70091274"|"6721784"|" 6073142"|"7299261"|"7 899866"|"8255572"|"86 76155"|"9613341"|"202 00067861"|"8769684"|" 20100293382"|"201202 04032"|"20130340079"| "7668951"|"10122715"|" 20060053279"|"200701 43407"|"20050235065"| "20060053490"|"20060 206713"|"20060224677 "|"20080004049"|"2008 0022107"|"2010004307 1"|"20100145900"|"201 20227104"|"201300831 29"|"20130128883"|"20 150371212"|"20160014 151"|"20160037270"|"2 0160104132"|"2017000 5961"|"7644274"|"7809 796"|"8583915"|"88322 02"|"8959163"|"980058 9"|"9940482"|"2017012 6661"|"7854007"|"9654 492"|"20070035390"|"2 0120191615"|"9277049 "|"20100005191"|"1027 7628"|"20080022013"|" 20080104180"|"201202 04221"|"20130173712"| "20180097841"|"89310 41"|"20070136806"|"93 32022"|"20050033810"| "20050076240"|"20050 080857"|"20050182735 "|"20060015563"|"2006 0153380"|"2006016802 4"|"20070100944"|"200 70107053"|"200903196 29"|"20110087485"|"20 110271349"|"20150113					

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AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
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		627"|"20150334065"|"2 0160094566"|"2017032 4767"|"20180160387"|" 20180184289"|"791765 5"|"8010614"|"8131655" |"8560962"|"8949353"|" 8984640"|"9060057"|"9 338287"|"9473437"|"20 050283837"|"20100095 374"|"20120084866"|"2 0180131686"|"7464408 "|"7748038"|"7941842"|" 9027134"|"2014018720 3"|"20140317697"|"201 80041515"|"202000768 17"|"20050097320"|"20 040176072"|"20050060 643"|"20060004772"|"2 0070019235"|"2007019 2169"|"20080046970"|" 20080104235"|"200801 41374"|"20080175266"| "20080235794"|"20080 276315"|"20080290154 "|"20090228583"|"2010 0070761"|"2010023563 6"|"20110145152"|"201 40214895"|"201402591 58"|"20150216413"|"20 150381653"|"7809795"| "9245115"|"9560506"|"2 0030009694"|"2004021 5977"|"20070289018"|" 20180091453"|"823050 5"|"8813228"|"8880604" |"7194618"|"7631193"|" 20190306237"|"202002 44638"|"20130104198"| "20050223076"|"20050 257261"|"20060149821 "|"20080050014"|"2009 0089859"|"2010011504 0"|"20100287246"|"201 10191688"|"201201922 58"|"20120311703"|"20 130081142"|"20140258 420"|"20150100896"|"2 0150156154"|"2015028 8714"|"20150363839"|" 20170251006"|"616113 0"|"7899213"|"8566938" |"8667069"|"8667074"|" 8996042"|"9906554"|"9 501639"|"20070162742 "|"20130086645"|"2019 0095498"|"7890358"|"9 118653"|"9602508"|"20 060101334"|"20070136				

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0436

		573"|"20020184315"|"20040203589"|"20050188023"|"20060107323"|"20060265498"|"20070027992"|"20070130618"|"20070198642"|"20070271343"|"20080098237"|"20080178288"|"20090037350"|"20090210708"|"20090252159"|"20110191847"|"20110294478"|"20120242488"|"20130067012"|"20140340822"|"20160269437"|"20170331816"|"20170331824"|"6574658"|"7293063"|"7797752"|"7831522"|"8489689"|"8572184"|"9847973"|"20040148358"|"20100077483"|"20130263226"|"20140007238"|"20160012222"|"20180343246"|"8214490"|"9910984"|"20140189808"|"20200264860"|"20200265062").PN.				
L40	956	38 OR 39	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 03:48 PM
L41	8445	((called OR callee OR relying OR destination) ADJ party) near5 ((block$4 OR permit$4 OR allow$4 OR convery$4) adj3 call$4)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT;	OR	ON	ON	2022/04/13 03:49 PM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
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			IBM_TDB)				
L42	3	40 AND 41	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 03:49 PM
L43	9830	((called OR callee OR relying OR destination) ADJ party) near5 perform$4	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 04:29 PM
L44	563042	((block$4 OR permit$4 OR convey$4 OR allow$4) near2 call$4)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 04:29 PM
L45	267	43 WITH 44	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV,	OR	ON	ON	2022/04/13 04:29 PM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
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			MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L46	18	((called OR callee OR relying OR destination) ADJ party) AND 40	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/13 05:01 PM
L47	133	(spoof$4 OR scam$4 OR security) SAME (((calling OR caller) ADJ device) near2 (information OR identif$5 OR ID))	(US-PGPUB; USPAT)	OR	ON	ON	2022/04/14 09:06 PM
L48	60	(spoof$4 OR scam$4) AND 47	(US-PGPUB; USPAT)	OR	ON	ON	2022/04/14 09:08 PM
L49	49	48 AND policy	(US-PGPUB; USPAT)	OR	ON	ON	2022/04/14 09:12 PM
L50	48	49 AND ((secret OR public) near2 key)	(US-PGPUB; USPAT)	OR	ON	ON	2022/04/14 09:13 PM
L51	48	50 AND call	(US-PGPUB; USPAT)	OR	ON	ON	2022/04/14 09:20 PM
L52	4	50 AND ((telephone OR phone) near2 number)	(US-PGPUB; USPAT)	OR	ON	ON	2022/04/14 09:21 PM
L53	48	50 AND call AND number	(US-PGPUB; USPAT)	OR	ON	ON	2022/04/14 09:22 PM
L54	6	((US-20070237319-A1 OR US-20110286585-A1 OR US-20030228010-A1).did. AND PGPB.dbnm.) OR ((EP-1675329-A1).did. AND EPAB.dbnm.) OR ((US-20030228010-A1).did. AND DWPI.dbnm.) OR ((US-8774379-B1).did. AND USPT.dbnm.)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA,	OR	ON	ON	2022/04/14 09:24 PM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
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			VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L55	0	54 AND (policy AND key)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/14 09:25 PM
L56	1049	((spoof$4 OR scam$4) SAME call) AND (policy AND key)	(US-PGPUB; USPAT)	OR	ON	ON	2022/04/14 09:25 PM
L57	140	56 AND (((calling OR caller) near2 (device OR terminal OR apparatus)) near2 (information OR ID OR identif$5))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/14 09:26 PM
L58	1258	56 AND (caller OR calling)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/14 09:29 PM
L59	772	56 AND (caller OR calling)	(US-PGPUB; USPAT)	OR	ON	ON	2022/04/14 09:29 PM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0440

L60	67	57 AND (caller OR calling)	(US-PGPUB; USPAT)	OR	ON	ON	2022/04/14 09:30 PM
L61	0	6 AND ((public OR secret) near2 key)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/14 09:35 PM
L62	2	"20120287823".pn.	(US-PGPUB; USPAT; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/14 10:13 PM
L63	1	"8774379".pn.	(US-PGPUB; USPAT)	OR	ON	ON	2022/04/14 10:40 PM
L64	2	"8774379".pn.	(US-PGPUB; USPAT; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/15 01:32 PM
L65	3	"11005989".pn.	(US-PGPUB; USPAT; DERWENT; IBM_TDB)	OR	ON	ON	2022/04/18 08:10 PM
L66	621	("20020138271"|"20030236845"|"20060031306"|"20060195542"|"20060253597"|"20070086592"|"20070214495"|"20090292781"|"20100299399"|"20130305318"|"20140230061"|"20140250506"|"20150067833"|"7814545"|"8719940"|"8752172"|"9277049"|"20070276907"|"20030225850"|"20050188045"|"20100198928"|"20100257222"|"20110066687"|"20150033343"|"20150148006"|"20150172233"|"9258314"|"20140245396"|"20170078321"|"20030023736"|"20030229672"|"20050198173"|"20060026242"|"20060230461"|"20060259558"|"20070038718"|"20070067465"|"20070143432"|"20070239639"|"20090064330"|"20100030798"|"20100313253"|"20120246725"|"20140366144"|"20160225897"|"9471	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/24 09:57 PM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0441

		714"|"20150236990"|"2 0130318580"|"2017033 1824"|"9154514"|"2014 0245396"|"2009026006 4"|"20120253810"|"836 5258"|"20040177120"|" 20050076084"|"200502 16587"|"20060085505"| "20060168329"|"20070 101423"|"20070299916 "|"20100094887"|"2012 0030293"|"2012016723 3"|"20120278694"|"201 30346528"|"201500301 56"|"20150081722"|"20 170091274"|"6721784"| "7299261"|"7899866"|"8 255572"|"20120136780 "|"20140082726"|"2015 0326510"|"2016008792 5"|"8676155"|"6073142" |"9613341"|"201501136 27"|"20130060905"|"20 130185775"|"20050235 065"|"20060053490"|"2 0060206713"|"2006022 4677"|"20080004049"|" 20100043071"|"201001 45900"|"20120227104"| "20130083129"|"20130 128883"|"20160014151 "|"20160104132"|"2017 0005961"|"7644274"|"7 809796"|"8832202"|"20 080022107"|"20150371 212"|"20160037270"|"8 959163"|"9800589"|"99 40482"|"10122715"|"20 060053279"|"20070143 407"|"20140245396"|"2 0050033810"|"2005007 6240"|"20050080857"|" 20050182735"|"200600 15563"|"20070107053"| "20090319629"|"20110 087485"|"20110271349 "|"7917655"|"8010614"|" 8131655"|"8984640"|"9 060057"|"9338287"|"94 73437"|"20070100944"| "20150334065"|"20160 094566"|"8949353"|"20 170324767"|"8560962"| "20060107323"|"20180 160387"|"20180184289 "|"9277049"|"20060153 380"|"20060168024"|"2 0150113627"|"2006010					

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0442

		7323"|"20040176072"|"20050060643"|"20060004772"|"20070019235"|"20070192169"|"20080046970"|"20080104235"|"20080141374"|"20080175266"|"20080235794"|"20080276315"|"20080290154"|"20090228583"|"20100070761"|"20140259158"|"20150381653"|"7809795"|"9245115"|"20110145152"|"20150216413"|"9560506"|"20100235636"|"20140214895"|"8583915"|"20180160387"|"20050097320"|"20180184289"|"20050223076"|"20050257261"|"20060149821"|"20080050014"|"20090089859"|"20100115040"|"20100287246"|"20130081142"|"20150288714"|"6161130"|"7899213"|"8566938"|"8667069"|"20110191688"|"20140258420"|"20150100896"|"20150363839"|"8667074"|"8996042"|"20120311703"|"20170251006"|"20120192258"|"20150156154"|"9906554"|"20130104198"|"20170331816"|"20020184315"|"20040203589"|"20050188023"|"20060265498"|"20070027992"|"20070130618"|"20070198642"|"20070271343"|"20080178288"|"20090210708"|"20090252159"|"20110191847"|"20130067012"|"20160269437"|"6574658"|"7293063"|"7797752"|"8489689"|"20090037350"|"20110294478"|"20120242488"|"20140340822"|"8572184"|"7831522"|"9060057"|"20170331816"|"20080098237"|"9847973"|"20070136573").PN.				
L67	175	("20020138271"|"20030200108"|"20030225850"|"20030236845"|"20050188045"|"20060031306"|"20060037075"|"200	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA,	OR	ON	ON	2022/12/24 09:57 PM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0443

		60195542"|"20030023736"|"20030229672"|"20040073617"|"20050021649"|"20050091320"|"20050198173"|"20060026242"|"20060161989"|"9871913"|"20040177120"|"20050076084"|"20050216587"|"20060085505"|"20060168329"|"10122715"|"10277628"|"20050235065"|"20060053279"|"20060053490"|"20060206713"|"20050033810"|"20050076240"|"20050080857"|"20050182735"|"20050283837"|"20060015563"|"20060153380"|"20060168024"|"20120287823"|"20030009694"|"20040176072"|"20040215977"|"20050060643"|"20050097320"|"20060004772"|"20050223076"|"20050257261"|"20060149821"|"8238532"|"8774379"|"20020184315"|"20040148358"|"20040203589"|"20050188023"|"20060101334"|"20060107323"|"9001985").PN.	EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L68	621	("20020138271"|"20030236845"|"20060031306"|"20060195542"|"20060253597"|"20070086592"|"20070214495"|"20090292781"|"20100299399"|"20130305318"|"20140230061"|"20140250506"|"20150067833"|"7814545"|"8719940"|"8752172"|"9277049"|"20030225850"|"20050188045"|"20070276907"|"20100198928"|"20100257222"|"20110066687"|"20150033343"|"20150148006"|"20150172233"|"9258314"|"20140245396"|"20170078321"|"20030023736"|"20030229672"|"20050198173"|"20060026242"|"20060230461"|"20060259558"|"20070038718"|"20070067465"|"20070143432"|"20070239639"|"200900	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/24 09:58 PM

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AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0444

		64330"|"20100030798"|"20100313253"|"20120246725"|"20140366144"|"20160225897"|"9471714"|"20150236990"|"20130318580"|"20170331824"|"9154514"|"20140245396"|"20090260064"|"20120253810"|"8365258"|"20040177120"|"20050076084"|"20050216587"|"20060085505"|"20060168329"|"20070101423"|"20070299916"|"20100094887"|"20120030293"|"20120167233"|"20120278694"|"20130346528"|"20150030156"|"20150081722"|"20170091274"|"6721784"|"7299261"|"7899866"|"8255572"|"20120136780"|"20140082726"|"20150326510"|"20160087925"|"8676155"|"6073142"|"9613341"|"20130060905"|"20150113627"|"20130185775"|"20050235065"|"20060053490"|"20060206713"|"20060224677"|"20080004049"|"20100043071"|"20100145900"|"20120227104"|"20130083129"|"20130128883"|"20160014151"|"20160104132"|"20170005961"|"7644274"|"7809796"|"8832202"|"20080022107"|"20150371212"|"20160037270"|"8959163"|"9800589"|"9940482"|"10122715"|"20060053279"|"20070143407"|"20140245396"|"20050033810"|"20050076240"|"20050080857"|"20050182735"|"20060015563"|"20070107053"|"20090319629"|"20110087485"|"20110271349"|"7917655"|"8010614"|"8131655"|"8984640"|"9060057"|"9338287"|"9473437"|"20070100944"|"20150334065"|"20160094566"|"8949353"|"20170324767"|"8560962"|"20060107323"|"20180				

		160387"|"20180184289"|"9277049"|"20060153380"|"20060168024"|"20150113627"|"20060107323"|"20040176072"|"20050060643"|"20060004772"|"20070019235"|"20070192169"|"20080046970"|"20080104235"|"20080141374"|"20080175266"|"20080235794"|"20080276315"|"20080290154"|"20090228583"|"20100070761"|"20140259158"|"20150381653"|"7809795"|"9245115"|"20110145152"|"20150216413"|"9560506"|"20100235636"|"20140214895"|"8583915"|"20180160387"|"20050097320"|"20180184289"|"20050223076"|"20050257261"|"20060149821"|"20080050014"|"20090089859"|"20100115040"|"20100287246"|"20130081142"|"20150288714"|"6161130"|"7899213"|"8566938"|"8667069"|"20110191688"|"20140258420"|"20150100896"|"20150363839"|"8667074"|"8996042"|"20120311703"|"20170251006"|"20120192258"|"20150156154"|"9906554"|"20130104198"|"20170331816"|"20020184315"|"20040203589"|"20050188023"|"20060265498"|"20070027992"|"20070130618"|"20070198642"|"20070271343"|"20080178288"|"20090210708"|"20090252159"|"20110191847"|"20130067012"|"20160269437"|"6574658"|"7293063"|"7797752"|"8489689"|"20090037350"|"20110294478"|"20120242488"|"20140340822"|"8572184"|"7831522"|"9060057"|"20170331816"|"20080098237"|"9847973"|"20070136573").PN.				
L69	936	("20170195310"|"20020	(US-PGPUB; USPAT;	OR	ON	ON	2022/12/24

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0446

		138271"|"20030225850"|"20030236845"|"20050188045"|"20060031306"|"20060195542"|"20060253597"|"20070086592"|"20070214495"|"20070276907"|"20090292781"|"20100198928"|"20100257222"|"20100299399"|"20110066687"|"20130305318"|"20140230061"|"20140245396"|"20140250506"|"20150033343"|"20150067833"|"20150148006"|"20150172233"|"20170078321"|"7814545"|"8719940"|"8752172"|"9258314"|"9277049"|"20110061089"|"9338287"|"20030200108"|"20060037075"|"20060277259"|"20070078936"|"20070079379"|"20070208850"|"8667581"|"8904524"|"9491155"|"9781149"|"20180041491"|"20190095516"|"20100082758"|"20170085584"|"20090260064"|"20120253810"|"8365258"|"20030023736"|"20030229672"|"20050198173"|"20060026242"|"20060230461"|"20060259558"|"20070038718"|"20070067465"|"20070143432"|"20070239639"|"20090064330"|"20100030798"|"20100313253"|"20120246725"|"20130318580"|"20140366144"|"20150236990"|"20160225897"|"9154514"|"9471714"|"20100054443"|"20040073617"|"20050021649"|"20050091320"|"20060161989"|"20060282660"|"20090157708"|"20110214187"|"20190012478"|"9338026"|"20120102566"|"20130036455"|"20170230323"|"20130185775"|"20040177120"|"20050076084"|"20050216587"|"20060085505"|"20060168329"|"20070101423"|"20070299916"|"2010009	USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				09:59 PM

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AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0447

		4887"|"20120030293"|" 20120136780"|"201201 67233"|"20120278694"| "20130060905"|"20130 346528"|"20140082726 "|"20150030156"|"2015 0081722"|"2015032651 0"|"20160087925"|"201 70091274"|"6721784"|" 6073142"|"7299261"|"7 899866"|"8255572"|"86 76155"|"9613341"|"202 00067861"|"8769684"|" 20100293382"|"201202 04032"|"20130340079"| "7668951"|"10122715"|" 20060053279"|"200701 43407"|"20050235065"| "20060053490"|"20060 206713"|"20060224677 "|"20080004049"|"2008 0022107"|"2010004307 1"|"20100145900"|"201 20227104"|"201300831 29"|"20130128883"|"20 150371212"|"20160014 151"|"20160037270"|"2 0160104132"|"2017000 5961"|"7644274"|"7809 796"|"8583915"|"88322 02"|"8959163"|"980058 9"|"9940482"|"2017012 6661"|"7854007"|"9654 492"|"20070035390"|"2 0120191615"|"9277049 "|"20100005191"|"1027 7628"|"20080022013"|" 20080104180"|"201202 04221"|"20130173712"| "20180097841"|"89310 41"|"20070136806"|"93 32022"|"20050033810"| "20050076240"|"20050 080857"|"20050182735 "|"20060015563"|"2006 0153380"|"2006016802 4"|"20070100944"|"200 70107053"|"200903196 29"|"20110087485"|"20 110271349"|"20150113 627"|"20150334065"|"2 0160094566"|"2017032 4767"|"20180160387"|" 20180184289"|"791765 5"|"8010614"|"8131655" |"8560962"|"8949353"|" 8984640"|"9060057"|"9 338287"|"9473437"|"20				

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0448

		050283837"|"20100095 374"|"20120084866"|"2 0180131686"|"7464408 "|"7748038"|"7941842"|" 9027134"|"2014018720 3"|"20140317697"|"201 80041515"|"202000768 17"|"20050097320"|"20 040176072"|"20050060 643"|"20060004772"|"2 0070019235"|"2007019 2169"|"20080046970"|" 20080104235"|"200801 41374"|"20080175266"| "20080235794"|"20080 276315"|"20080290154 "|"20090228583"|"2010 0070761"|"2010023563 6"|"20110145152"|"201 40214895"|"201402591 58"|"20150216413"|"20 150381653"|"7809795"| "9245115"|"9560506"|"2 0030009694"|"2004021 5977"|"20070289018"|" 20180091453"|"823050 5"|"8813228"|"8880604" |"7194618"|"7631193"|" 20190306237"|"202002 44638"|"20130104198"| "20050223076"|"20050 257261"|"20060149821 "|"20080050014"|"2009 0089859"|"2010011504 0"|"20100287246"|"201 10191688"|"201201922 58"|"20120311703"|"20 130081142"|"20140258 420"|"20150100896"|"2 0150156154"|"2015028 8714"|"20150363839"|" 20170251006"|"616113 0"|"7899213"|"8566938" |"8667069"|"8667074"|" 8996042"|"9906554"|"9 501639"|"20070162742 "|"20130086645"|"2019 0095498"|"7890358"|"9 118653"|"9602508"|"20 060101334"|"20070136 573"|"20020184315"|"2 0040203589"|"2005018 8023"|"20060107323"|" 20060265498"|"200700 27992"|"20070130618"| "20070198642"|"20070 271343"|"20080098237 "|"20080178288"|"2009					

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0449

		0037350"|"20090210708"|"20090252159"|"20110191847"|"20110294478"|"20120242488"|"20130067012"|"20140340822"|"20160269437"|"20170331816"|"20170331824"|"6574658"|"7293063"|"7797752"|"7831522"|"8489689"|"8572184"|"9847973"|"20040148358"|"20100077483"|"20130263226"|"20140007238"|"20160012222"|"20180343246"|"8214490"|"9910984"|"20140189808"|"20200264860"|"20200265062").PN.					
L70	175	("20020138271"|"20030200108"|"20030225850"|"20030236845"|"20050188045"|"20060031306"|"20060037075"|"20060195542"|"20030023736"|"20030229672"|"20040073617"|"20050021649"|"20050091320"|"20050198173"|"20060026242"|"20060161989"|"9871913"|"20040177120"|"20050076084"|"20050216587"|"20060085505"|"20060168329"|"10122715"|"10277628"|"20050235065"|"20060053279"|"20060053490"|"20060206713"|"20050033810"|"20050076240"|"20050080857"|"20050182735"|"20050283837"|"20060015563"|"20060153380"|"20060168024"|"20120287823"|"20030009694"|"20040176072"|"20040215977"|"20050060643"|"20050097320"|"20060004772"|"20050223076"|"20050257261"|"20060149821"|"8238532"|"8774379"|"20020184315"|"20040148358"|"20040203589"|"20050188023"|"20060101334"|"20060107323"|"9001985").PN.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/24 09:59 PM
L71	7	((US-20070237319-A1 OR US-20110286585-	(US-PGPUB; USPAT; USOCR; FIT (AU, AP,	OR	ON	ON	2022/12/24 09:59 PM

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AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0450

		A1 OR US-20030228010-A1 OR US-20120255004-A1).did. AND PGPB.dbnm.) OR ((EP-1675329-A1).did. AND EPAB.dbnm.) OR ((US-20030228010-A1).did. AND DWPI.dbnm.) OR ((US-8774379-B1).did. AND USPT.dbnm.)	AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L73	970	66 OR 67 OR 68 OR 69 OR 70 OR 71	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/24 10:00 PM
L74	1	("20210258421").pn.	(US-PGPUB; USPAT)	OR	ON	ON	2022/12/24 10:05 PM
L75	126417	(spoof$3 OR mask$3 OR disguis$3 OR fool$3 OR deceiv$3 OR hiding OR hide OR cover$3 up OR mimic$3 OR imitat$3 OR false OR trust$3 OR true OR bogus OR steal$3 OR spam OR unwant$4 OR scam$4) SAME call SAME ((transmit$4 OR notification OR notify$3 OR report$3 OR tell$3 OR inform$3 OR communicat$4 OR warn$3 OR alert$3 OR signal$4 OR inform$4 OR output$3 OR display$4) WITH (rely$4 OR callee OR called OR destination))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/24 10:15 PM
L76	18	73 AND 75	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU,	OR	ON	ON	2022/12/24 10:15 PM

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AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0451

			CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L77	35713	(spoof$3 OR mask$3 OR disguis$3 OR fool$3 OR deceiv$3 OR hiding OR hide OR cover$3 OR mimic$3 OR imitat$3 OR false OR trust$3 OR bogus OR steal$3 OR spam OR unwant$4 OR scam$4) SAME call SAME ((transmit$4 OR notification OR notify$3 OR report$3 OR tell$3 OR inform$3 OR communicat$4 OR warn$3 OR alert$3 OR signal$4 OR inform$4 OR output$3 OR display$4) WITH (rely$4 OR callee OR called OR destination))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/24 10:17 PM
L78	13	73 AND 77	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2022/12/24 10:17 PM
L79	2	"20120287823".pn.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV,	OR	ON	ON	2022/12/24 11:42 PM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0452

			MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L80	2	"20110280160".pn.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/01/01 10:13 PM
L81	126565	(spoof$3 OR mask$3 OR disguis$3 OR fool$3 OR deceiv$3 OR hiding OR hide OR cover$3 up OR mimic$3 OR imitat$3 OR false OR trust$3 OR true OR bogus OR steal$3 OR spam OR unwant$4 OR scam$4 OR untrust$4) SAME call SAME ((transmit$4 OR notification OR notify$3 OR report$3 OR tell$3 OR inform$3 OR communicat$4 OR warn$3 OR alert$3 OR signal$4 OR inform$4 OR output$3 OR display$4) WITH (rely$4 OR callee OR called OR destination))	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/01/01 11:23 PM
L83	146	81 AND (security SAME reputat$4)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE,	OR	ON	ON	2023/01/01 11:23 PM

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AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
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			SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L84	47	81 AND (security SAME reputat$4 SAME call)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/01/01 11:24 PM
L86	23	84 AND ((spoof$3 OR mask$3 OR disguis$3 OR false OR trust$3 OR true OR bogus OR steal$3 OR spam OR unwant$4 OR scam$4 OR untrust$4) WITH call)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/01/01 11:45 PM
L87	84506	(H04M3/42042 OR H04M3/382 OR H04W4/14 OR H04M2201/18 OR H04M2203/6045).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/01/02 09:43 AM
L88	11	83 AND 87	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU,	OR	ON	ON	2023/01/02 09:43 AM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0454

			CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L89	622	(call SAME secur$4 SAME reputat$4)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/01/02 09:44 AM
L90	21	87 AND 89	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/01/02 09:44 AM
L91	0	2012/0287823.pn.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN,	OR	ON	ON	2023/01/02 04:39 PM

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AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
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			WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L92	2	"20120287823".pn.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/01/02 04:39 PM
L93	17	((("RIGHTQUESTION") near3 ("LLC"))).AS,AANM.	(USPAT)	OR	ON	ON	2023/01/03 09:06 AM
L94	327	((("JAKOBSSON") near3 ("Bjorn"))).INV.	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2023/01/03 09:32 AM
L95	327	93 OR 94	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2023/01/03 09:32 AM
L96	0	95 AND 89	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2023/01/03 09:33 AM
L97	2	"20110280160".pn.	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2023/01/03 11:42 AM
L98	19	((("RIGHTQUESTION") near3 ("LLC"))).AS,AANM.	(USPAT)	OR	ON	ON	2023/05/19 09:03 PM
L99	348	((("JAKOBSSON") near3 ("Bjorn"))).INV.	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2023/05/19 09:05 PM
L100	348	98 OR 99	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2023/05/19 09:11 PM
L101	85849	(spoof$3 OR mask$3 OR trust$3 OR spam OR unwant$4 OR scam$4) SAME call$4 SAME ((transmit$4 OR notification OR notify$3 OR report$3 OR tell$3 OR inform$3 OR communicat$4 OR warn$3 OR alert$3 OR signal$4 OR inform$4 OR output$3 OR	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH,	OR	ON	ON	2023/05/19 09:13 PM

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AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0456

		display$4) WITH (rely$4 OR callee OR called OR destination))	TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L102	2	"20210258421".pn.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/19 09:14 PM
L103	32153	101 SAME (number OR counter OR pseudo)	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/05/19 09:34 PM
L104	21659	(spoof$3 OR mask$3 OR trust$3 OR spam OR unwant$4 OR scam$4) SAME call$4 SAME ((transmit$4 OR notification OR notify$3 OR report$3 OR tell$3 OR inform$3 OR communicat$4 OR warn$3 OR alert$3 OR signal$4 OR inform$4 OR output$3 OR display$4) WITH (rely$4 OR callee OR called OR destination)) SAME (crypt$4 OR cryptographic$4 OR cryptogra$ OR encrypt$3 OR decrypt$3 OR cipher$1 OR cypher$1 OR	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/09 12:13 AM

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AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
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		dec$pher$3 OR secret OR encod$3 OR code OR enc$pher$2 OR coded OR coding OR enc$pherment OR cryptographic$ OR encoding OR encoded OR secure OR secured)					
L105	124094	(H04M3/42042 OR H04M3/382 OR H04W4/14 OR H04M2201/18 OR H04M2203/6045 OR H04M3/42059 OR H04M3/436 OR H04M3/42042 OR H04M2203/6045 OR H04M2203/6027 OR H04M3/42093 OR H04M3/42102 OR H04M3/382 OR H04M15/47 OR H04M7/0078 OR H04M3/42153 OR H04M3/4365).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/09 12:16 AM
L106	410	104 AND 105	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/09 12:16 AM
L107	2	"20120287823".pn.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/09 06:17 PM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
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L108	13	((US-20070237319-A1 OR US-20110286585-A1 OR US-20030228010-A1 OR US-20120255004-A1 OR US-20120287823-A1 OR US-20110294478-A1 OR US-20110280160-A1).did. AND PGPB.dbnm.) OR ((EP-1675329-A1).did. AND EPAB.dbnm.) OR ((US-20030228010-A1 OR US-20120287823-A1).did. AND DWPI.dbnm.) OR ((US-8774379-B1 OR US-9002333-B1 OR US-7992205-B2).did. AND USPT.dbnm.)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/09/09 06:37 PM

PE2E SEARCH - Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
N1	0	(((called OR callee OR relying OR destination) ADJ party) SAME ((block$4 OR permit$4 OR allow$4 OR convery$4) adj3 call$4) SAME valid SAME component SAME message).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2023/05/19 10:47 PM
N2	4	((spoof$3 OR mask$3 OR trust$3 OR spam OR unwant$4 OR scam$4) SAME call$4 SAME ((transmit$4 OR notification OR notify$3 OR report$3 OR tell$3 OR inform$3 OR communicat$4 OR warn$3 OR alert$3 OR signal$4 OR inform$4 OR output$3 OR display$4) WITH (rely$4 OR callee OR called OR destination) SAME cryptographic$)).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2023/09/09 12:22 AM

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0459

UNITED STATES
PATENT AND TRADEMARK OFFICE

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

ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
17/228,566	**11/21/2023 01:28:32 PM Z ET**	**MJAKP016C3**

Title of Invention

VALIDATING AUTOMATIC NUMBER IDENTIFICATION DATA

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	1684	FILED BY	Elaine Nguyen
PATENT CENTER #	63338362	FILING DATE	04/12/2021
CUSTOMER #	21912	FIRST NAMED INVENTOR	Bjorn Markus Jakobsson
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Yeu-Ting George Cheng

Documents

TOTAL DOCUMENTS: 1

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
MJAKP016C3_IF_Transmittal.pdf	1	Issue Fee Payment (PTO-85B)	1479 KB

Warning: The attached file contains comments or annotations. Comments are not recommended and may cause processing problems with the document.

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
MJAKP016C3_IF_Transmittal.pdf	3E783DA55D2B58D41218FA0056357816F4F2CECA25C21D172A70BD6A7B1ADAB2580B59BE3E9481BF01B9534F86F85B860F

4D2190DA0B9F79331D47EC62E0E7B5

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), by mail or fax, or via EFS-Web.

By mail, send to: Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

By fax, send to: (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications. **Because electronic patent issuance may occur shortly after issue fee payment, any desired continuing application should preferably be filed prior to payment of this issue fee in order not to jeopardize copendency.**

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

21912 7590 09/15/2023
VAN PELT, YI & JAMES LLP
~~10050 N. FOOTHILL BLVD #200~~ 1 1ST ST, STE 12
~~CUPERTINO, CA 95014~~ LOS ALTOS, CALIFORNIA 94022

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

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

Elaine Nguyen	(Typed or printed name)
/Elaine Nguyen/	(Signature)
November 21, 2023	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/228,566	04/12/2021	Bjorn Markus Jakobsson	MJAKP016C3	1684

TITLE OF INVENTION: VALIDATING AUTOMATIC NUMBER IDENTIFICATION DATA

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	$1200	$0.00	$0.00	$1200	12/15/2023

EXAMINER	ART UNIT	CLASS-SUBCLASS
TESHALE, AKELAW	2653	379-088200

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

☐ Change of correspondence address (or Change of Correspondence Address form PTO/AIA/122 or PTO/SB/122) attached.

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

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

1 Van Pelt, Yi & James LLP
2
3

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

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document must have been previously recorded, or filed for recordation, as set forth in 37 CFR 3.11 and 37 CFR 3.81(a). Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE: RightQuestion, LLC

(B) RESIDENCE: (CITY and STATE OR COUNTRY): Menlo Park, CA

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

4a. Fees submitted: ☑ Issue Fee ☐ Publication Fee (if required)

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

☑ Electronic Payment via Patent Center or EFS-Web ☐ Enclosed check ☐ Non-electronic payment by credit card (Attach form PTO-2038)

☑ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment to Deposit Account No. 50-0685

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

☐ Applicant certifying micro entity status. See 37 CFR 1.29

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

☐ Applicant asserting small entity status. See 37 CFR 1.27

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

☐ Applicant changing to regular undiscounted fee status.

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

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

Authorized Signature /Yeu-Ting George Cheng/ Date November 21, 2023

Typed or printed name Yeu-Ting George Cheng Registration No. 69408

PTOL-85 Part B (08-18) Approved for use through 01/31/2020 OMB 0651-0033 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0462

UNITED STATES
PATENT AND TRADEMARK OFFICE

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

ELECTRONIC PAYMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
17/228,566	**11/21/2023 01:28:32 PM Z ET**	**MJ AKP016C3**

Title of Invention

VALIDATING AUTOMATIC NUMBER IDENTIFICATION DATA

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	1684	FILED BY	Elaine Nguyen
PATENT CENTER #	63338362	AUTHORIZED BY	Yeu-Ting George Cheng
CUSTOMER #	21912	FILING DATE	04/12/2021
CORRESPONDENCE ADDRESS	-	FIRST NAMED INVENTOR	Bjorn Markus Jakobsson

Payment Information

PAYMENT METHOD	PAYMENT TRANSACTION ID	PAYMENT AUTHORIZED BY
DA / 500685	E2023AKD29468365	Elaine Nguyen

PRE-AUTHORIZED ACCOUNT	PRE-AUTHORIZED CATEGORY
500685	37 CFR 1.16 (National application filing, search, and examination fees); 37 CFR 1.17 (Patent application and reexamination processing fees); 37 CFR 1.19 (Document supply fees); 37 CFR 1.20 (Post Issuance fees); 37 CFR 1.21 (Miscellaneous fees and charges)

FEE CODE	DESCRIPTION	ITEM PRICE($)	QUANTITY	ITEM TOTAL($)
1501	UTILITY ISSUE FEE	1200.00	1	1200.00
			TOTAL AMOUNT:	**$1,200.00**

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

New Applications Under 35 U.S.C. 111

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

Receipt will establish the filing date of the application

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

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

New International Application Filed with the USPTO as a Receiving Office

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number	17228566
Filing Date	2021-04-12
First Named Inventor	Bjorn Markus Jakobsson
Art Unit	2653
Examiner Name	Not Assigned
Attorney Docket Number	MJAKP016C3

	21	20140230061		2014-08-14	HIGBEE AARON	
	22	20140245396		2014-08-28	OBERHEIDE JON	
	23	20140250506		2014-09-04	HALLAM-BAKER PHILLIP MARTIN	
	24	20140258420		2014-09-11	DENT TERRILL MARK	
Change(s) applied to document, /A.C./ 6/15/2023	25	20140259158		2014-09-11	~~BANK OF AMERICA CORPORATION~~ Brown et al.	
	26	20140317697		2014-10-23	NIMASHAKAVI KIRANKUMAR	
	27	20140340822		2014-11-20	LAL DHANANJAY	
	28	20140366144		2014-12-11	ALPEROVITCH DMITRI	
	29	20150030156		2015-01-29	PEREZ JOHN S	
	30	20150033343		2015-01-29	JIANG WU	
	31	20150067833		2015-03-05	VERMA RAKESH	

EFS Web 2.1.18

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number	17228566
Filing Date	2021-04-12
First Named Inventor	Bjorn Markus Jakobsson
Art Unit	2653
Examiner Name	Not Assigned
Attorney Docket Number	MJAKP016C3

	43	20150363839		2015-12-17	ZOLTY BARRY	
	44	20150371212		2015-12-24	GIORDANO JOSEPH	
Change(s) applied to document, /A.C./ 6/15/2023	45	20150381653		2015-12-31	~~Proofpoint, Inc.~~ Starink et al.	
	46	20160012222		2016-01-14	STOLFO SALVATORE J	
	47	20160014151		2016-01-14	PRAKASH GAGAN	
	48	20160037270		2016-02-04	POLINSKE BEAU JAY	
	49	20160087925		2016-03-24	KALAVAGATTU ARAVIND	
	50	20160094566		2016-03-31	PAREKH SANJAY M	
	51	20160104132		2016-04-14	ABBATIELLO PIERPAOLO	
	52	20160225897		2016-08-04	SRIDHAR SEETHARAMAN	
	53	20160269437		2016-09-15	MCDOUGAL MONTY D	

EFS Web 2.1.18

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

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number	17228566
Filing Date	2021-04-12
First Named Inventor	Bjorn Markus Jakobsson
Art Unit	2653
Examiner Name	Not Assigned
Attorney Docket Number	MJAKP016C3

Change(s) applied to document, /A.C./ 6/15/2023

	54	20170005961		2017-01-05	~~McAfee, Inc.~~ Liebmann et al.
	55	20170078321		2017-03-16	MAYLOR JACKIE
	56	20170085584		2017-03-23	GOUTAL SEBASTIEN
	57	20170091274		2017-03-30	GUO SONGTAO
	58	20170126661		2017-05-04	BRANNON JONATHAN BLAKE
	59	20170195310		2017-07-06	TYLER SIMON PAUL
	60	20170230323		2017-08-10	JAKOBSSON BJORN MARKUS
	61	20170251006		2017-08-31	LAROSA VINCENT JAY
	62	20170324767		2017-11-09	SRIVASTAVA MANOJ KUMAR
	63	20170331816		2017-11-16	VOTAW ELIZABETH S
	64	20170331824		2017-11-16	PENDER MARK A

EFS Web 2.1.18

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

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/228,566	12/26/2023	11856132	MJAKP016C3	1684

21912 7590 12/06/2023

VAN PELT, YI & JAMES LLP
1 1ST ST, STE 12
LOS ALTOS, CA 94022

ISSUE NOTIFICATION

The projected patent number and issue date are specified above. The patent will issue electronically. The electronically issued patent is the official patent grant pursuant to 35 U.S.C. § 153. The patent may be accessed on or after the issue date through Patent Center at https://patentcenter.uspto.gov/. The patent will be available in both the public and the private sides of Patent Center. Further assistance in electronically accessing the patent, or about Patent Center, is available by calling the Patent Electronic Business Center at 1-888-217-9197.

The USPTO is implementing electronic patent issuance with a transition period, during which period the USPTO will mail a ceremonial paper copy of the electronic patent grant to the correspondence address of record. Additional copies of the patent (i.e., certified and presentation copies) may be ordered for a fee from the USPTO's Certified Copy Center at https://certifiedcopycenter.uspto.gov/index.html. The Certified Copy Center may be reached at (800)972-6382.

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

The Patent Term Adjustment is 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 Center (https://patentcenter.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Application Assistance Unit (AAU) of the Office of Patents Stakeholder Experience (OPSE), Stakeholder Support Division (SSD) at (571)-272-4200.

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0468

INVENTOR(s) (Please see PATENT CENTER site https://patentcenter.uspto.gov for additional inventors):

Bjorn Markus Jakobsson, Portola Valley, CA;

APPLICANT(s) (Please see PATENT CENTER site https://patentcenter.uspto.gov for additional applicants):

RightQuestion, LLC, Portola Valley, CA;

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

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0469

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UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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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.
17/228,566	04/12/2021	Bjorn Markus Jakobsson	MJAKP016C3	1684

21912 7590 12/26/2023

VAN PELT, YI & JAMES LLP
1 1ST ST, STE 12
LOS ALTOS, CA 94022

EXAMINER	
TESHALE, AKELAW	

ART UNIT	PAPER NUMBER
2694	

NOTIFICATION DATE	DELIVERY MODE
12/26/2023	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):

usptocorrespondence@ip-patent.com

UNITED STATES PATENT AND TRADEMARK OFFICE

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

APPLICATION NO.	ISSUE DATE	PATENT NO.
17/228,566	26-Dec-2023	11856132

VAN PELT, YI & JAMES LLP
1 1ST ST, STE 12
LOS ALTOS, CA 94022

EGRANT NOTIFICATION

Your electronic patent grant (eGrant) is now available, which can be accessed via Patent Center at https://patentcenter.uspto.gov

The electronic patent grant is the official patent grant under 35 U.S.C. 153. For more information, please visit https://www.uspto.gov/electronicgrants

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0471

UNITED STATES
PATENT AND TRADEMARK OFFICE

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

ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
17/228,566	**09/12/2024 09:41:33 PM Z ET**	**MJAKP016C3**

Title of Invention

VALIDATING AUTOMATIC NUMBER IDENTIFICATION DATA

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	11856132
CONFIRMATION #	1684	FILED BY	Elaine Nguyen
PATENT CENTER #	67158427	FILING DATE	04/12/2021
CUSTOMER #	21912	FIRST NAMED INVENTOR	Bjorn Markus Jakobsson
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	R Wagner

Documents

TOTAL DOCUMENTS: 2

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
MJAKP016C3_Request_Cert_of_Correction.pdf	2	Request for Certificate of Correction	75 KB
MJAKP016C3_Cert_of_Correction_SB44.pdf	2	Request for Certificate of Correction	185 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
MJAKP016C3_Request_Cert_of_Correction.pdf	19074E73E14AF805330C82FCCCB15EA3197EFF443A909EE89ACF62F5987A7334305BCFFFDFFC8A969A627DE8FE43BFDEFB12760B8AC72D9E6C5068C9CB6D78ED
MJAKP016C3_Cert_of_Correcti	150D9FB58EB399DDF1204AC5B0014E89D7624D8F8A3867E37

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

New Applications Under 35 U.S.C. 111

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

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

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New International Application Filed with the USPTO as a Receiving Office

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

PTO/SB/44 (09-07)
Approved for use through 03/31/2023. OMB 0651-0033
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.
(Also Form PTO-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 11,856,132

APPLICATION NO.: 17/228,566

ISSUE DATE : December 26, 2023

INVENTOR(S) : Bjorn Markus Jakobsson

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In page 3, column 1, section (56), U.S. patents documents, cite no.1, delete "Writch" and insert --AVRITCH PETER S et al.--, therefor.

MAILING ADDRESS OF SENDER (Please do not use Customer Number below):
VAN PELT, YI & JAMES LLP
1 1st St, Ste 12
Los Altos, CA 94022

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. 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 1.0 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: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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

Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. 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.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent No.:	11,856,132	Issue Date:	December 26, 2023
Application No.:	17/228,566	Filed Date:	April 12, 2021
Confirmation No.:	1684	Docket No.:	MJAKP016C3
First Inventor:	Bjorn Markus Jakobsson		
Title:	VALIDATING AUTOMATIC NUMBER IDENTIFICATION DATA		

REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT UNDER 37 CFR 1.322 OR 37 CFR 1.323

Mail Stop - Certificate of Corrections Branch
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Attached is Form PTO-1050 (Certificate of Correction) which is suitable for printing. Please make the following corrections:

In page 3, column 1, section (56), U.S. patents documents, cite no.1, delete "Writch" and insert -- AVRITCH PETER S et al.--, therefor.

Please send the Certificate to:

VAN PELT, YI & JAMES LLP
1 1st St, Ste 12
Los Altos, CA 94022
408-973-2585

FEE (check one):

☐ The above changes are of a clerical, typographical, or minor character that does not add new matter. Please charge Deposit Account No. 50-0685 (MJAKP016C3) in the amount of $160.00 in accordance with 37 CFR 1.20(a).

☒ The above changes are requested to correct an error on the part of the Office pursuant to 37 CFR 1.322, and as a result it is believed that no fee is due.

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0476

The Commissioner is authorized to charge any fees due or credit any overpayments to Deposit Account 50-0685 (Order No. MJAKP016C3).

Respectfully submitted,

Dated: September 12, 2024

/Robyn Wagner/
Robyn Wagner
Registration No. 50,575
408-973-2596

VAN PELT, YI & JAMES LLP
1 1st St, Ste 12
Los Altos, CA 94022
Fax 408-973-2595

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS, AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0477

UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION

PATENT NO. : 11,856,132 B2
APPLICATION NO. : 17/228566
DATED : December 26, 2023
INVENTOR(S) : Bjorn Markus Jakobsson

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the Title Page

In page 3, Column 1, item (56), U.S. patents documents, cite no.1, delete "Writch" and insert --AVRITCH PETER S et al.--, therefor.

Signed and Sealed this
Eighth Day of October, 2024

Katherine Kelly Vidal

Katherine Kelly Vidal
Director of the United States Patent and Trademark Office

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.
17/228,566	04/12/2021	Bjorn Markus Jakobsson	MJAKP016C3	1684

21912 7590 10/08/2024

VAN PELT, YI & JAMES LLP
1 1ST ST, STE 12
LOS ALTOS, CA 94022

EXAMINER	
TESHALE, AKELAW	

ART UNIT	PAPER NUMBER
2694	

NOTIFICATION DATE	DELIVERY MODE
10/08/2024	ELECTRONIC

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

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

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

usptocorrespondence@ip-patent.com

APPLICATION NO.	ISSUE DATE	PATENT NO.
17/228,566	08-Oct-2024	11856132

VAN PELT, YI & JAMES LLP
1 1ST ST, STE 12
LOS ALTOS, CA 94022

ELECTRONIC CERTIFICATE OF CORRECTION NOTIFICATION

Your electronic certificate of correction is now available, and can be accessed via Patent Center at https://patentcenter.uspto.gov.

The electronic certificate of correction is the official certificate of correction under 35 U.S.C. 254 or 255. For more information, please visit https://www.uspto.gov/electronicgrants.

EX-1002
AT&T SERVICES INC., CELLCO PARTNERSHIP D/B/A VERIZON WIRELESS,
AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0480

Doc Code: MFEE.C.AD
Document Description: Maintenance Fee Address Change

PTO/AIA/47 (11-21)
Approved for use through 11/30/2024. OMB 0651-0016
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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Director of the United States
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P.O. Box 1450
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-OR-

Fax to:
571-273-6500

INSTRUCTIONS: The issue fee must have been paid for the application(s) listed on this form. In addition, only an address represented by a Customer Number can be established as the fee address for maintenance fee purposes (hereafter, fee address). A fee address should be established when correspondence related to maintenance fees should be mailed to a different address than the correspondence address for the application.

When to check the first box below: If you have a Customer Number to represent the fee address.

When to check the second box below: If you have no Customer Number representing the desired fee address, in which case a completed Request for Customer Number (PTO/SB/125) must be attached to this form. For more information on Customer Numbers, see the Manual of Patent Examining Procedure (MPEP) § 403.

For the following listed application(s), please recognize as the "Fee Address" under the provisions of 37 CFR 1.363 the address associated with:

☑ Customer Number: 34060

OR

☐ The attached Request for Customer Number form (PTO/SB/125)

PATENT NUMBER (if known)	APPLICATION NUMBER
11,856,132	

Completed by (check one):

☐ Applicant/Inventor

☑ Attorney or Agent of record 40014 Reg. No.

☐ Assignee of record of the entire interest. See 37 CFR 3.71. Statement under 37 CFR 3.73(c) (Form PTO/AIA/96) is enclosed or was filed on _____ (Date)

/Michael N. Haynes/
Signature

Michael N. Haynes
Typed or printed name

4349729988
Requester's telephone number

14 October 2024
Date

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. If the assignee is a juristic entity, this form must be signed by a patent practitioner (attorney or agent) of record. Submit multiple forms if more than one signature is required, see below*.

☐ *Total of _____ forms are submitted

A Federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with an information collection subject to the requirements of the Paperwork Reduction Act of 1995, unless the information collection has a currently valid OMB Control Number. The OMB Control Number for this information collection is 0651-0016. Public burden for this form is estimated to average 5 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the information collection. Send comments regarding this burden estimate or any other aspect of this information collection, including suggestions for reducing this burden to the Chief Administrative Officer, United States Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450 or email InformationCollection@uspto.gov. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.** SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. The United States Patent and Trademark Office (USPTO) collects the information in this record under authority of 35 U.S.C. 2. The USPTO's system of records is used to manage all applicant and owner information including name, citizenship, residence, post office address, and other information with respect to inventors and their legal representatives pertaining to the applicant's/owner's activities in connection with the invention for which a patent is sought or has been granted. The applicable Privacy Act System of Records Notice for the information collected in this form is COMMERCE/PAT-TM-7 Patent Application Files, available in the Federal Register at 78 FR 19243 (March 29, 2013). https://www.govinfo.gov/content/pkg/FR-2013-03-29/pdf/2013-07341.pdf

Routine uses of the information in this record may include disclosure to: 1) law enforcement, in the event that the system of records indicates a violation or potential violation of law; 2) a Federal, state, local, or international agency, in response to its request; 3) a contractor of the USPTO having need for the information in order to perform a contract; 4) the Department of Justice for determination of whether the Freedom of Information Act (FOIA) requires disclosure of the record; 5) a Member of Congress submitting a request involving an individual to whom the record pertains, when the individual has requested the Member's assistance with respect to the subject matter of the record; 6) a court, magistrate, or administrative tribunal, in the course of presenting evidence, including disclosures to opposing counsel in the course of settlement negotiations; 7) the Administrator, General Services Administration (GSA), or their designee, during an inspection of records conducted by GSA under authority of 44 U.S.C. 2904 and 2906, in accordance with the GSA regulations and any other relevant (i.e., GSA or Commerce) directive, where such disclosure shall not be used to make determinations about individuals; 8) another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)); 9) the Office of Personnel Management (OPM) for personnel research purposes; and 9) the Office of Management and Budget (OMB) for legislative coordination and clearance.

If you do not furnish the information requested on this form, the USPTO may not be able to process and/or examine your submission, which may result in termination of proceedings, abandonment of the application, and/or expiration of the patent.

Additional Uses

Additional USPTO uses of the information in this record may include disclosure to: 1) the International Bureau of the World Intellectual Property Organization, if the record is related to an international application filed under the Patent Cooperation Treaty; 2) the public i) after publication of the application pursuant to 35 U.S.C. 122(b), ii) after issuance of a patent pursuant to 35 U.S.C. 151, iii) if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections, or an issued patent, or iv) without publication of the application or patent under the specific circumstances provided for by 37 CFR 1.14(a)(1)(v)-(vii); and/or 3) the National Archives and Records Administration, for inspection of records.
https://www.govinfo.gov/content/pkg/FR-2013-03-29pdf/2013-07341.pdf

UNITED STATES
PATENT AND TRADEMARK OFFICE

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

ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
17/228,566	**10/14/2024 10:58:51 AM Z ET**	**MJAKP016C3**

Title of Invention

VALIDATING AUTOMATIC NUMBER IDENTIFICATION DATA

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	11856132
CONFIRMATION #	1684	FILED BY	Kelly Smoker
PATENT CENTER #	67551416	FILING DATE	04/12/2021
CUSTOMER #	21912	FIRST NAMED INVENTOR	Bjorn Markus Jakobsson
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Michael Haynes

Documents

TOTAL DOCUMENTS: 3

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
1281-008_20241014_373 Statement-S.pdf	3	Assignee showing of ownership per 37 CFR 3.73	115 KB
1281-008_20241014_Fee Address Form.pdf	2	Maintenance Fee Address Change	264 KB
1281-008_20241014_POA-S.pdf	1	Power of Attorney	180 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
1281-008_20241014_373 Statement-S.pdf	57601504CCE624B159934ACA36030AB27116014E3A42756885 11DE3EAEA4DCDE6AC28221A10431E4C07653538F4BF554C5

	76B90301633137B577FDFA74CE48F7
1281-008_20241014_Fee Address Form.pdf	5D36B01F5BEEDD523EE8051C617D3C67ADB596BA6F617A5B53BCC6AAB747EA0E55DE1133A808E69956478ADEE4061D7784E50EC007975EE510AEDB5EE659C974
1281-008_20241014_POA-S.pdf	97A45AE15212B05EAFBDE87F702A274E03E14906C308CF567DEA5A895A9DC6192EA8ED5EE80ACBEA4BF7885F04DEF091CDFEDA1910A1851FD5E571C902AE84BC

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

PTO/AIA/96 (08-12)
Approved for use through 01/31/2013. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

STATEMENT UNDER 37 CFR 3.73(c)

Applicant/Patent Owner: RightQuestion, LLC c/o The INNW Fund

Application No./Patent No.: 14/535,064 Filed/Issue Date: 6 November 2014

Titled: Validating Automatic Number Identification Data

RightQuestion, LLC, a LLC

(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 033653, Frame 0778, 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: _____ To: _____

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

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

   2. 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.

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: _____ To: _____

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

Reel _____, Frame _____, 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.

/Michael N. Haynes/	14 October 2024
Signature	Date
Michael N. Haynes	40014
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.

PTO/AIA/80 (07-12)
Approved for use through 11/30/2014. OMB 0651-0035
U.S. Patent and Trademark Office: U.S DEPARTMENT OF COMMERCE
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POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(c).

I hereby appoint:

☒ Practitioners associated with Customer Number: 34060

OR

☐ Practitioner(s) named below (if more than ten patent practitioners are to be named, then a customer number must be used):

Name	Registration Number	Name	Registration Number

As attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignments documents attached to this form in accordance with 37 CFR 3.73(c).

Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(c) to:

☐ The address associated with Customer Number:

OR

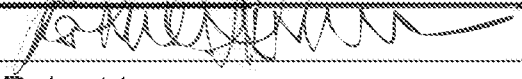
☐	Firm or Individual Name			
	Address			
	City		State	Zip
	Country			
	Telephone		Email	

Assignee Name and Address: RightQuestion, LLC
c/o The INNW Fund
250 Oak Grove Ave, #202
Menlo Park, CA 94025

A copy of this form, together with a statement under 37 CFR 3.73(c) (Form PTO/AIA/96 or equivalent) is required to be Filed in each application in which this form is used. The statement under 37 CFR 3.73(c) may be completed by one of The practitioners appointed in this form, and must identify the application in which this Power of Attorney is to be filed.

SIGNATURE of Assignee of Record

The individual whose signature and title is supplied below is authorized to act on behalf of the assignee

Signature		Date	Oct. 11, 2024
Name	Robert Levenson	Telephone	
Title	Secretary, INNW Fund		

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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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
17/228,566	04/12/2021	Bjorn Markus Jakobsson	MJAKP016C3

CONFIRMATION NO. 1684

21912
VAN PELT, YI & JAMES LLP
1 1ST ST, STE 12
LOS ALTOS, CA 94022

POWER OF ATTORNEY NOTICE

OC000000079618775

Date Mailed: 10/22/2024

NOTICE REGARDING CHANGE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 10/14/2024.

- 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**.

/sltorres/

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
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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
17/228,566	04/12/2021	Bjorn Markus Jakobsson	MJAKP016C3

CONFIRMATION NO. 1684

34060
MICHAEL N. HAYNES
P.O. Box 460
RUCKERSVILLE, VA 22968

POA ACCEPTANCE LETTER

OC000000079618786

Date Mailed: 10/22/2024

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 10/14/2024.

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**.

/sltorres/

EX-1002
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AND NOKIA OF AMERICA CORPORATION v RIGHTQUESTION, LLC
0490