# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3765600

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
GUANQUN BAO	02/29/2016
BRIAN LIBONATE	02/29/2016
RAYMOND C. COUNTERMAN	03/01/2016

# **RECEIVING PARTY DATA**

Name:	VERIZON PATENT AND LICENSING, INC.
Street Address:	ONE VERIZON WAY
City:	BASKING RIDGE
State/Country:	NEW JERSEY
Postal Code:	07920

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15059217

# **CORRESPONDENCE DATA**

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Email: PATENTS@VERIZON.COM

Correspondent Name: VERIZON PATENT MANAGEMENT GROUP

Address Line 1: 1320 NORTH COURT HOUSE ROAD

Address Line 2: 9TH FLOOR

Address Line 4: ARLINGTON, VIRGINIA 22201-2909

ATTORNEY DOCKET NUMBER:	20151176
NAME OF SUBMITTER:	JARED OLSON
SIGNATURE:	/Jared Olson/
DATE SIGNED:	03/02/2016
	This document serves as an Oath/Declaration (37 CFR 1.63).

### **Total Attachments: 3**

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 $source = 20151176\_Raymond\_C\_Counterman\_03-01\_DA\_0293\#page1.tif$ 

PATENT REEL: 037875 FRAME: 0598

# DECLARATION AND ASSIGNMENT FOR PATENT APPLICATION

Patent Application Title: NETWORK-BASED AUTHENTICATION AND SECURITY SERVICES
the patent application for which  is being filed concurrently herewith, Application Number to be assigned by the USPTO, or  was filed on as United States Application Number or PCT International Application  Number
<u>Declaration of Inventor</u>
As the below named inventor, I hereby declare that:
<ul> <li>the above-identified application was made or authorized to be made by me;</li> <li>I believe that I am the original inventor or an original joint inventor of a claimed invention in the above-referenced</li> </ul>
<ul> <li>application; and</li> <li>I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.</li> </ul>
Inventor Assignment Acknowledgement
For good and valuable consideration, the receipt of which is hereby acknowledged, I agree as follows:
A. I hereby assign to the Verizon legal entity identified below ("Assignee"), including its successors and assigns, my entire worldwide right, title and interest in and to any and all inventions and other ideas described in the above-identified patent application, as well as in and to said application and all divisional, continuing (in whole or in part), substitute, renewal, reissue, provisional or other applications or registrations for Letters Patent which have been or shall be filled in the United States and all foreign countries based on any of said inventions or ideas, or based on or claiming priority to said application; and in and to all original and reissued Letters Patent which have been or shall be issued in the United States and foreign countries from any of said applications or registrations, and in and to all rights of priority resulting from the filing of any of said applications or registrations (all collectively, the 'Patent Rights'). Letters Patent as used herein shall include, without limitation, patents, utility models, industrial designs, and any other form of industrial property recognized under the Paris Convention for the Protection of Industrial Property.
B. I agree (i) that Assignee may apply for and receive Letters Patent based on the Patent Rights in its own name. (ii) that I will execute all rightful oaths, declarations, assignments, powers of attorney and other papers related to the Patent Rights when requested by Assignee (or its successors and/or assigns) without compensation (but at Assignee's expense), (iii) that I appoint Assignee (acting through its representatives) as my attorney-in-fact, such appointment being irrevocable and coupled with the interest in the Patent Rights with full authority in my place and stead and in my name to take any action and to execute any document which Assignee may deem reasonably necessary or advisable to accomplish the purposes of this assignment, including the execution and filing of the papers identified in part (ii) in my name where permitted by law. (iv) to communicate to Assignee, its successors, assigns, representatives and agents, all facts known to me relating to said Patent Rights and the history thereof, and (v) to generally do everything which Assignee, its successors, assigns, representatives or agents shall consider desirable for adding in securing and maintaining proper protection for said Patent Rights and for vesting title to said Patent Rights in Assignee, its successors and assigns
C. I covenant with Assignee, its successors and assigns, that no assignment, grant, mortgage, license, or other agreement affecting the Patent Rights has been made to others by me, and that full right to convey the same as set forth herein is possessed by me.
ASSIGNEE: Vertzon Patent and Licensing Inc., a Delaware Corporation with a place of business at One Vertzon Way, Basking Ridge, NJ 07920 US
IN WITNESS to my agreement to the foregoing Declaration of Inventor and Inventor Assignment Acknowledgement. I have executed as set forth below:
Full legal name of Inventor: Brian Libonate
Address: 1962 Dora Avenue, Walnut Creek, CA 94596, United States  Signature: Date: Date:

**PATENT** REEL: 037875 FRAME: 0599

VZ Docket No.: 20151176

# DECLARATION AND ASSIGNMENT FOR PATENT APPLICATION

Patent Application Title: NETWORK-BASED AUTHENTICATION AND SECURITY SERVICES
the patent application for which: ☑ is being filed concurrently herewith, Application Number to be assigned by the USPTO, or ☐ was filed onas United States Application Number or PCT International Application Number
Declaration of Inventor
As the below named inventor, I hereby declare that:
<ul> <li>the above-identified application was made or authorized to be made by me;</li> <li>I believe that I am the original inventor or an original joint inventor of a claimed invention in the above-referenced application; and</li> <li>I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.</li> </ul>
Inventor Assignment Acknowledgement
For good and valuable consideration, the receipt of which is hereby acknowledged, I agree as follows:
A. I hereby assign to the Verizon legal entity identified below ("Assignee"), including its successors and assigns, my entire worldwide right, title and interest in and to any and all inventions and other ideas described in the above-identified patent application as well as in and to said application and all divisional, continuing (in whole or in part), substitute, renewal, reissue, provisional of other applications or registrations for Letters Patent which have been or shall be filed in the United States and all foreign countries based on any of said inventions or ideas, or based on or claiming priority to said application; and in and to all original and reissued Letters Patent which have been or shall be issued in the United States and foreign countries from any of said applications or registrations; and in and to all rights of priority resulting from the filing of any of said applications or registrations (all collectively, the "Patent Rights"). Letters Patent as used herein shall include, without limitation, patents, utility models, industrial designs, and any other form of industrial property recognized under the Paris Convention for the Protection of Industrial Property.
B. I agree (i) that Assignee may apply for and receive Letters Patent based on the Patent Rights in its own name; (ii) that I will execute all rightful oaths, declarations, assignments, powers of attorney and other papers related to the Patent Rights when requested by Assignee (or its successors and/or assigns) without compensation (but at Assignee's expense),; (iii) that I appoint Assignee (acting through its representatives) as my attorney-in-fact, such appointment being irrevocable and coupled with the interest in the Patent Rights, with full authority in my place and stead and in my name to take any action and to execute any document which Assignee may deem reasonably necessary or advisable to accomplish the purposes of this assignment, including the execution and filing of the papers identified in part (ii) in my name where permitted by law; (iv) to communicate to Assignee, its successors, assigns representatives and agents, all facts known to me relating to said Patent Rights and the history thereof; and (v) to generally deverything which Assignee, its successors, assigns, representatives or agents shall consider desirable for aiding in securing an maintaining proper protection for said Patent Rights and for vesting title to said Patent Rights in Assignee, its successors and assigns.
C. I covenant with Assignee, its successors and assigns, that no assignment, grant, mortgage, license, or other agreement affecting the Patent Rights has been made to others by me, and that full right to convey the same as set forth herein is possessed by me.
ASSIGNEE: Verizon Patent and Licensing Inc., a Delaware Corporation with a place of business at One Verizon Way, Basking Ridge, NJ 07920 US
IN WITNESS to my agreement to the foregoing Declaration of Inventor and Inventor Assignment Acknowledgement, I have execute as set forth below:
Full legal name of Inventor: Guangun Bao
Address: 1259 Lakeside Dr., Apt 2212, Sunnyvale, CA 94085, United States
Signature: 62/27/8-(6,

**PATENT REEL: 037875 FRAME: 0600** 

VZ Docket No.: 20151176

### DECLARATION AND ASSIGNMENT FOR PATENT APPLICATION

FOR A PART AT DIGHT ON
Patent Application Title: NETWORK-BASED AUTHENTICATION AND SECURITY SERVICES
the patent application for which:  is being filed concurrently herewith, Application Number to be assigned by the USPTO, or  was filed on as United States Application Number or PCT International Application  Number
Declaration of Inventor
As the below named inventor, I hereby declare that:
<ul> <li>the above-identified application was made or authorized to be made by me;</li> <li>I believe that I am the original inventor or an original joint inventor of a claimed invention in the above-referenced application; and</li> <li>I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.</li> </ul>
Inventor Assignment Acknowledgement
For good and valuable consideration, the receipt of which is hereby acknowledged, I agree as follows:
A. I hereby assign to the Verizon legal entity identified below ("Assignce"), including its successors and assigns, my entire worldwide right, title and interest in and to any and all inventions and other ideas described in the above-identified patent application, as well as in and to said application and all divisional, continuing (in whole or in part), substitute, renewal, reissue, provisional or other applications or registrations for Letters Patent which have been or shall be filed in the United States and all foreign countries based on any of said inventions or ideas, or based on or claiming priority to said application; and in and to all original and reissued Letters Patent which have been or shall be issued in the United States and foreign countries from any of said applications or registrations; and in and to all rights of priority resulting from the filing of any of said applications or registrations (all collectively, the "Patent Rights"). Letters Patent as used herein shall include, without limitation, patents, utility models, industrial designs, and any other form of industrial property recognized under the Paris Convention for the Protection of Industrial Property.
B. I agree (i) that Assignee may apply for and receive Letters Patent based on the Patent Rights in its own name; (ii) that I will execute all rightful oaths, declarations, assignments, powers of attorney and other papers related to the Patent Rights when requested by Assignee (or its successors and/or assigns) without compensation (but at Assignee's expense),; (iii) that I appoint Assignee (acting through its representatives) as my attorney-in-fact, such appointment being irrevocable and coupled with the interest in the Patent Rights, with full authority in my place and stead and in my name to take any action and to execute any document which Assignee may deem reasonably necessary or advisable to accomplish the purposes of this assignment, including the execution and filing of the papers identified in part (ii) in my name where permitted by law; (iv) to communicate to Assignee, its successors, assigns, representatives and agents, all facts known to me relating to said Patent Rights and the history thereof; and (v) to generally deeverything which Assignee, its successors, assigns, representatives or agents shall consider desirable for aiding in securing and maintaining proper protection for said Patent Rights and for vesting title to said Patent Rights in Assignee, its successors and assigns.
C. I covenant with Assignee, its successors and assigns, that no assignment, grant, mortgage, license, or other agreement affecting the Patent Rights has been made to others by me, and that full right to convey the same as set forth herein is possessed by me.
ASSIGNEE: Verizon Patent and Licensing Inc., a Delaware Corporation with a place of business at One Verizon Way, Basking Ridge, NJ 07920 US
IN WITNESS to my agreement to the foregoing Declaration of Inventor and Inventor Assignment Acknowledgement, I have executed as set forth below:
Full legal name of Inventor: Raymond C. Counterman
Address: 20 Redman Road, Canton, MA 02021, United States
Address: 20 Redman Road, Canton, MA 02021, United States

**PATENT REEL: 037875 FRAME: 0601** 

**RECORDED: 03/02/2016**