#### 505165528 10/30/2018

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5212296

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
YUK LUN LI	10/29/2018
INDRANEEL SEN	10/29/2018
YUEXIN DONG	10/29/2018

### **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:	16174422

### CORRESPONDENCE DATA

Fax Number: (703)439-2658

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.

Phone: 571-297-0007 Email: pto@snyderllp.com

SNYDER, CLARK, LESCH & CHUNG, LLP **Correspondent Name:** Address Line 1: 205 VAN BUREN STREET, SUITE 110

Address Line 4: HERNDON, VIRGINIA 20170

ATTORNEY DOCKET NUMBER:	20180343	
NAME OF SUBMITTER:	THOMAS W. EDMAN	
SIGNATURE:	/Thomas W. Edman, Reg. No. 51,643/	
DATE SIGNED:	10/30/2018	
	This document serves as an Oath/Declaration (37 CFR 1.63).	

### **Total Attachments: 3**

source=20180343 s Dec Assign 0021\_1503#page1.tif source=20180343 s Dec Assign 0021 1503#page2.tif source=20180343\_s\_Dec\_Assign\_0021\_1503#page3.tif

**PATENT REEL: 047348 FRAME: 0663** 505165528

VZ Docket No.: 201803-13

#### DECLARATION AND ASSIGNMENT FOR PATENT APPLICATION

## Patent Application Title: METHOD AND SYSTEM FOR PREDICTIVE EDGE RESOURCES

the patent application for which:  Six being filed concurrently herewith, Application Number to be assigned by the USPTO, or  was filed on as United States Application Number or PCT International Applic	ation
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> </ul>	

- I believe that I am the original inventor or an original joint inventor of a claimed invention in the above referenced application; and
- 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.

## Inventor Assignment Acknowledgement

For good and valuable consideration, the receipt of which is hereby acknowledged. I agree as follows:

- 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 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.
- 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 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.
- 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: Yuk Lun Li

Address: 2 Forest Court, Morganville, NJ 97751

PATENT REEL: 047348 FRAME: 0664

VZ Docket No.: 20180343

### DECLARATION AND ASSIGNMENT FOR PATENT APPLICATION

# Patent Application Title: METHOD AND SYSTEM FOR PREDICTIVE EDGE RESOURCES

the patent application for which:    Solid concurrently herewith, Application Number to be assigned by the USPTO, or   was filed on as United States Application Number or PCT International 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> </ul>	
<ul> <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>	2
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 ent 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 other applications or registrations for Letters Patent which have been or shall be filed in the United States and all foreign countribased on any of said inventions or ideas, or based on or claiming priority to said application; and in and to all original and reissue Letters Patent which have been or shall be issued in the United States and foreign countries from any of said applications registrations; and in and to all rights of priority resulting from the filing of any of said applications or registrations (all collectively, to "Patent Rights"). Letters Patent as used herein shall include, without limitation, patents, utility models, industrial designs, and other form of industrial property recognized under the Paris Convention for the Protection of Industrial Property.	on, or ies ied or the
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 we 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 (active through its representatives) as my attorney-in-fact, such appointment being irrevocable and coupled with the interest in the Pater Rights, with full authority in my place and stead and in my name to take any action and to execute any document which Assignee me 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, assign 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.	ed ng mi ay be is, io
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.	ığ
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 selforth below.	đ
Full local come of Inventor: Indrancel Sen	
Address 3316 Briggs Cir. Livingston, NJ 87039	
Quantity introduces	

VZ Docket No.: 20180343

## DECLARATION AND ASSIGNMENT FOR PATENT APPLICATION

Patent Application Title: METHOD AND SYSTEM FOR PREDICTIVE EDGE RESOURCES

the patent application for which:
<ul> <li>         is being filed concurrently herewith, Application Number to be assigned by the USPTO, or         mas filed onas United States Application Number or PCT International Application Number     </li> </ul>
Declaration of Inventor
As the below named inventor, I hereby declare that:
As the below harned inventor, a 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</li> </ul>
or imprisonment of not more than five (5) years, or both.
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 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 Paten 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: Yuexin Dong
Address: 5 Wight Street, Bridgewater, NJ 08807
Signature: Dougle 10/29/2018

**PATENT** REEL: 047348 FRAME: 0666