#### 505348752 02/27/2019

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT5395535

| SUBMISSION TYPE:      | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT     |

### **CONVEYING PARTY DATA**

| Name                     | Execution Date |
|--------------------------|----------------|
| RAJENDRA PRASAD KODAYPAK | 02/21/2019     |
| RYAN REDFERN             | 02/26/2019     |
| JIANSONG WANG            | 02/23/2019     |

### **RECEIVING PARTY DATA**

| Name:             | AT&T INTELLECTUAL PROPERTY I, L.P. |
|-------------------|------------------------------------|
| Street Address:   | 675 W. PEACHTREE STREET            |
| Internal Address: | SUITE 4000                         |
| City:             | ATLANTA                            |
| State/Country:    | GEORGIA                            |
| Postal Code:      | 30308                              |

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

| Property Type       | Number   |
|---------------------|----------|
| Application Number: | 16286964 |

### **CORRESPONDENCE DATA**

Fax Number: (216)696-8731

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: 404-927-2780

Email: epas@thepatentattorneys.com

AT&T LEGAL DEPARTMENT - AT&W ATTN: PATE **Correspondent Name:** 

Address Line 1: **ROOM 2A 212** Address Line 2: ONE AT&T WAY

Address Line 4: BEDMINSTER, NEW JERSEY 07921

| ATTORNEY DOCKET NUMBER: | 2017-1450/ATTWP1152US |
|-------------------------|-----------------------|
| NAME OF SUBMITTER:      | PATRICA S. MURPHY     |
| SIGNATURE:              | /Patrica S. Murphy/   |
| DATE SIGNED:            | 02/27/2019            |

### **Total Attachments: 7**

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#### ASSIGNMENT

| WHEREAS I, Rajendra Prasad Kodaypak residing at 2141                   | 15 S.E. 2nd Street, Sammamis       | h, |
|--|------------------------------------|----|
| WA 98074, hereafter referred to as Assignor, am listed as an inventor  | r on a patent application entitled | 1  |
| "DEVICE CONTEXTS, OPERATIONAL MODES, AND P                             | POLICY DRIVEN                      |    |
| ENHANCEMENTS FOR PAGING IN ADVANCED NETV                               | <b>VORKS</b> ," having AT&T Dock   | et |
| No. 2017-1450, the patent application to be filed in the United States | Patent & Trademark Office, or      |    |
| which was filed as U.S. Patent Application Serial No.                  | ; an                               | d  |

WHEREAS, AT&T INTELLECTUAL PROPERTY I, L.P., a Partnership organized and existing under the laws of Nevada and having an address at 675 W. Peachtree Street, Suite 4000, Atlanta, GA 30308 (hereinafter referred to as Assignee), desires to acquire the entire right, title and interest for the United States of America and elsewhere throughout the world in and to said invention and the patent application identified above, including any and all divisions and continuations thereof and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues and prolongations thereto;

NOW THEREFORE, be it known that for and in consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I, as Assignor, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my entire right, title, and interest in and to this invention and this non-provisional application, and all divisions, substitutions, and continuations thereof; and all Letters Patent of the United States which may be granted thereon, and all reexaminations and reissues thereof; and all rights to claim priority on the basis of the above provisional application (if any), as well as all rights to claim priority on the basis of this application; and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, including certificates of inventions, utility models, industrial design protection, design patent protection, and other governmental grants or issuances; and all extensions, renewals, prolongations, and reissues thereof; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term and terms for all such patents;

AND, I HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I HEREBY covenant that I have the full right to convey the interest assigned by this Assignment, and I have not executed and will not execute any assignment, sale, license, agreement, or encumbrance in conflict with this Assignment;

AND, I HEREBY further covenant and agree, for the Assignor and the Assignor's legal representatives, that I will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to us respecting this invention; assist the Assignee in the prosecution of the patent application identified above; assist in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; testify in any interference, litigation, or other legal proceeding; sign all lawful papers when called upon to do so; execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns; execute all divisional, continuation, and reissue applications; make all rightful oaths and generally do everything possible to aid Assignee, to obtain and enforce proper patent protection

for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee; and hereby instruct, and further covenant and agree to bind our heirs, legal representatives, and assigns, to do same, without compensation, but at the expense of Assignee or its representatives.

AND, I HEREBY consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of AT&T INTELLECTUAL PROPERTY I, L.P. to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

This Assignment may be executed in any number of counterparts, each of which when so executed and delivered shall be deemed an original, and such counterparts together shall constitute one and the same instrument. A facsimile copy of this Assignment, or any form of an electronic copy of this Assignment, including the signature pages hereto, shall be deemed to be an original.

I hereby authorize and request Amin, Turocy & Watson, LLP to insert the filing date and application number of said application when known.

| approximent manner of the approximent meeting  |
|--|
| IN TESTIMONY WHEREOF, I have hereunto set my hand this 2/day of 7ebmay  Rajendra Prasad Kodaypak   |
| State of Washington)   |
| County of King   |
| On this 21 day of February, 20 19, before me a Notary Public in and for the above County and State, personally appeared Rayendra Prasad Loday Pak, and acknowledged the execution of the foregoing assignment as his/her free act and deed for the purpose herein set forth. |
| Stacy Claud Notary Public My Commission Expires: 5-27-2019   |
| WILLIAM CY CLAPING   |



Page 2 of 2

#### **ASSIGNMENT**

| WHEREAS I, Ryan Redfern residing at 17013 Pires Ave., Cerritos, CA 90703, hereafter                      |     |
|--|-----|
| referred to as Assignor, am listed as an inventor on a patent application entitled "DEVICE               |     |
| CONTEXTS, OPERATIONAL MODES, AND POLICY DRIVEN ENHANCEMENTS  |     |
| FOR PAGING IN ADVANCED NETWORKS," having AT&T Docket No. 2017-1450, the pate                             | ent |
| application to be filed in the United States Patent & Trademark Office, or which was filed as U.S. Pater | nt  |
| Application Serial No on; and  |     |
|  |     |

WHEREAS, **AT&T INTELLECTUAL PROPERTY I, L.P.**, a Partnership organized and existing under the laws of Nevada and having an address at 675 W. Peachtree Street, Suite 4000, Atlanta, GA 30308 (hereinafter referred to as Assignee), desires to acquire the entire right, title and interest for the United States of America and elsewhere throughout the world in and to said invention and the patent application identified above, including any and all divisions and continuations thereof and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues and prolongations thereto:

NOW THEREFORE, be it known that for and in consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I, as Assignor, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my entire right, title, and interest in and to this invention and this non-provisional application, and all divisions, substitutions, and continuations thereof; and all Letters Patent of the United States which may be granted thereon, and all reexaminations and reissues thereof; and all rights to claim priority on the basis of the above provisional application (if any), as well as all rights to claim priority on the basis of this application; and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, including certificates of inventions, utility models, industrial design protection, design patent protection, and other governmental grants or issuances; and all extensions, renewals, prolongations, and reissues thereof; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term and terms for all such patents;

AND, I HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I HEREBY covenant that I have the full right to convey the interest assigned by this Assignment, and I have not executed and will not execute any assignment, sale, license, agreement, or encumbrance in conflict with this Assignment;

AND, I HEREBY further covenant and agree, for the Assignor and the Assignor's legal representatives, that I will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to us respecting this invention; assist the Assignee in the prosecution of the patent application identified above; assist in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; testify in any interference, litigation, or other legal proceeding; sign all lawful papers when called upon to do so; execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns; execute all divisional, continuation, and reissue applications; make all rightful oaths and generally do everything possible to aid Assignee, to obtain and enforce proper patent protection

for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee; and hereby instruct, and further covenant and agree to bind our heirs, legal representatives, and assigns, to do same, without compensation, but at the expense of Assignee or its representatives.

AND, I HEREBY consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of **AT&T INTELLECTUAL PROPERTY I, L.P.** to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

This Assignment may be executed in any number of counterparts, each of which when so executed and delivered shall be deemed an original, and such counterparts together shall constitute one and the same instrument. A facsimile copy of this Assignment, or any form of an electronic copy of this Assignment, including the signature pages hereto, shall be deemed to be an original.

I hereby authorize and request Amin, Turocy & Watson, LLP to insert the filing date and application number of said application when known.

| IN TESTIMON<br>20        | NY WHEREOF, I have     | hereunto set my hand this | day of,                       |
|--------------------------|------------------------|---------------------------|-------------------------------|
|                          |                        | Ryan Redfern              |                               |
| State of                 | )                      |                           |                               |
| County of                | )                      |                           |                               |
| and State, personally ap | ppeared                | <u> </u>                  | c in and for the above County |
| Notary Public            | -<br>My Commission Exp | vires:                    |                               |

Page 2 of 2

# California All-Purpose Acknowledgment

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document, to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

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| sub<br>sam<br>insti | scribed to the<br>re in his/her/t     | e within instrum<br>their authorized    | ent and acknowledged<br>capacity(les), and that<br>entity upon behalf of | d to me that he/sh<br>t by his/her/their :     | ne/they execut<br>signature(s) or | ed the<br>n the   |
|                     |                                       | PENALTY OF<br>raph is true and          | PERJURY under the la<br>correct.   | aws of the State o                             | of California th                  | at the  |
|                     | nature                                | and and official                        | seal.  | (Seal)   |                                   | LARAIN MARIA OLIVA<br>lotary Public - California<br>Los Angeles County<br>Commission # 2265890<br>Comm. Expires Nov 5, 20 |
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| Sig                 | ner(s) Other                          | Than Named A                            | /pove:   |  |                                   | <del></del>   |

#### ASSIGNMENT

| WHEREAS I, Jiansong Wang residing at 9 Malcolm Way, Lincroft, NJ 07738, hereafter                         |
|---|
| referred to as Assignor, am listed as an inventor on a patent application entitled "DEVICE                |
| CONTEXTS, OPERATIONAL MODES, AND POLICY DRIVEN ENHANCEMENTS   |
| FOR PAGING IN ADVANCED NETWORKS," having AT&T Docket No. 2017-1450, the patent                            |
| application to be filed in the United States Patent & Trademark Office, or which was filed as U.S. Patent |
| Application Serial No on; and   |

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I hereby authorize and request Amin, Turocy & Watson, LLP to insert the filing date and application number of said application when known.

| 20[7].  | Jiansong Wang   |
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|   | Jiansong wang   |
| State of New Ser Ser  |   |
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PATENT REEL: 048452 FRAME: 0687

**RECORDED: 02/27/2019**