

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5436720

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the INVENTOR ROGER PIQUERAS JOVER LAST NAME WAS INCORRECT previously recorded on Reel 048613 Frame 0527. Assignor(s) hereby confirms the SHOULD READ FIRST NAME: ROGER, LAST NAME: PIQUERAS JOVER. WITH NO MIDDLE NAME..
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DAVID GROSS	06/10/2015
JOSHUA LACKEY	06/12/2015
DONALD E. LEVY	06/08/2015
ROGER PIQUERAS JOVER	06/05/2015
JAYARAMAN RAMACHANDRAN	06/05/2015
CRISTINA SERBAN	06/08/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	AT&T INTELLECTUAL PROPERTY I, L.P.
<b>Street Address:</b>	675 W. PEACHTREE STREET
<b>Internal Address:</b>	SUITE 4000
<b>City:</b>	ATLANTA
<b>State/Country:</b>	GEORGIA
<b>Postal Code:</b>	30308
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16273901
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(847)510-0710
<i>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.</i>	
<b>Phone:</b>	847-382-1501
<b>Email:</b>	docketing@ggip.com
<b>Correspondent Name:</b>	AT&T LEGAL DEPARTMENT - GG ATTN: PATENT
<b>Address Line 1:</b>	ROOM 2A-207
<b>Address Line 2:</b>	ONE AT&T WAY
<b>Address Line 4:</b>	BEDMINSTER, NEW JERSEY 07921
<b>ATTORNEY DOCKET NUMBER:</b>	7785-1155-04

<b>NAME OF SUBMITTER:</b>	DEVON WEIDE
<b>SIGNATURE:</b>	/Devon Weide/
<b>DATE SIGNED:</b>	03/22/2019
<b>Total Attachments: 11</b> source=7785-1155-04 CombinedAssign#page1.tif source=7785-1155-04 CombinedAssign#page2.tif source=7785-1155-04 CombinedAssign#page3.tif source=7785-1155-04 CombinedAssign#page4.tif source=7785-1155-04 CombinedAssign#page5.tif source=7785-1155-04 CombinedAssign#page6.tif source=7785-1155-04 CombinedAssign#page7.tif source=7785-1155-04 CombinedAssign#page8.tif source=7785-1155-04 CombinedAssign#page9.tif source=7785-1155-04 CombinedAssign#page10.tif source=7785-1155-04 CombinedAssign#page11.tif	

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5424668

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DAVID GROSS	06/10/2015
JOSHUA LACKEY	06/12/2015
DONALD E. LEVY	06/08/2015
ROGER PIQUERAS JOVER	06/05/2015
JAYARAMAN RAMACHANDRAN	06/05/2015
CRISTINA SERBAN	06/08/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	AT&T INTELLECTUAL PROPERTY I, L.P.
<b>Street Address:</b>	675 W. PEACHTREE STREET
<b>Internal Address:</b>	SUITE 4000
<b>City:</b>	ATLANTA
<b>State/Country:</b>	GEORGIA
<b>Postal Code:</b>	30308
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16273901
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(847)510-0710
<i>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.</i>	
<b>Email:</b>	docketing@ggip.com
<b>Correspondent Name:</b>	AT&T LEGAL DEPARTMENT - GG ATTN: PATENT
<b>Address Line 1:</b>	ROOM 2A-207
<b>Address Line 2:</b>	ONE AT&T WAY
<b>Address Line 4:</b>	BEDMINSTER, NEW JERSEY 07921
<b>ATTORNEY DOCKET NUMBER:</b>	7785-1155-04
<b>NAME OF SUBMITTER:</b>	DEVON WEIDE
<b>SIGNATURE:</b>	/Devon Weide/
<b>DATE SIGNED:</b>	03/15/2019



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

MARCH 18, 2019

PTAS

AT&T LEGAL DEPARTMENT - GG ATTN:  
PATENT  
ROOM 2A-207  
ONE AT&T WAY  
BEDMINSTER, NJ 07921

**505377875**

## UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE ASSIGNMENT RECORDATION BRANCH AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT RECORDATION BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 03/15/2019

REEL/FRAME: 048613/0527  
NUMBER OF PAGES: 10

BRIEF: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

DOCKET NUMBER: 7785-1155-04

ASSIGNOR:

GROSS, DAVID

DOC DATE: 06/10/2015

ASSIGNOR:

LACKEY, JOSHUA

DOC DATE: 06/12/2015

ASSIGNOR:

LEVY, DONALD E.

DOC DATE: 06/08/2015

ASSIGNOR:

JOVER, ROGER PIQUERAS

DOC DATE: 06/05/2015

ASSIGNOR:

RAMACHANDRAN, JAYARAMAN

DOC DATE: 06/05/2015

ASSIGNOR:

SERBAN, CRISTINA

DOC DATE: 06/08/2015

ASSIGNEE:

AT&T INTELLECTUAL PROPERTY I, L.P.  
675 W. PEACHTREE STREET  
SUITE 4000  
ATLANTA, GEORGIA 30308

APPLICATION NUMBER: 16273901

FILING DATE: 02/12/2019

PATENT NUMBER:

ISSUE DATE:

TITLE: METHOD AND APPARATUS FOR PROVIDING SECURITY USING NETWORK  
TRAFFIC ADJUSTMENTS

ASSIGNMENT RECORDATION BRANCH  
PUBLIC RECORDS DIVISION

### ASSIGNMENT

WHEREAS We, **DAVID GROSS**, residing at 14 Grant St, South River, NJ 08882, and **JOSHUA LACKEY**, residing at 8431 16th St NE, Lake Stevens, WA 98258, and **DONALD E. LEVY**, residing at 6 Delwood Drive, Holmdel, NJ 07733, and **ROGER PIQUERAS JOVER**, residing at 430 Amsterdam Ave Apt 4D, New York, NY 10024, and **JAYARAMAN RAMACHANDRAN**, residing at 15 Birch Drive, Plainsboro, NJ 08536, and **CRISTINA SERBAN**, residing at 20 Hunters Pointe, Middletown, NJ 07748, hereinafter referred to as Assignor, am listed as an inventor on a patent application entitled **METHOD AND APPARATUS FOR PROVIDING SECURITY USING NETWORK TRAFFIC ADJUSTMENTS**; having AT&T Docket No. 2015-0166, the patent application to be filed in the United States Patent & Trademark Office; and

WHEREAS, **AT&T INTELLECTUAL PROPERTY I, LP**, 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, LP** 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.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 10<sup>TH</sup> day of JUNE, 2015.

David Gross  
**DAVID GROSS**

State of New Jersey )

County of Monmouth )

On this 10 day of June, 2015, before me a Notary Public in and for the above County and State, personally appeared David Gross, and acknowledged the execution of the foregoing assignment as his/her free act and deed for the purpose herein set forth.

**DEBORAH ANN BRUDNICKI**  
**NOTARY PUBLIC OF NEW JERSEY**  
My Commission Expires April 15, 2019



Notary Public

My Commission Expires: April 15, 2019



IN TESTIMONY WHEREOF, I have hereunto set my hand this 12 day of June, 2015.

JOSHUA LACKEY

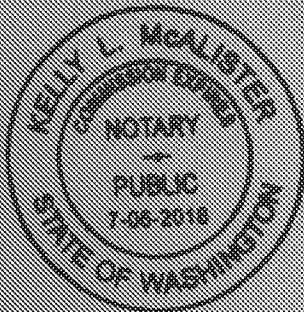
State of Washington

County of Snohomish

On this 12<sup>th</sup> day of June, 2015, before me a Notary Public in and for the above County and State, personally appeared Joshua Lackey, and acknowledged the execution of the foregoing assignment as his/her free act and deed for the purpose herein set forth.

Kelly L. McAlister  
Notary Public

My Commission Expires: 7-6-2018



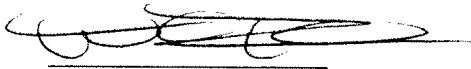
IN TESTIMONY WHEREOF, I have hereunto set my hand this 8 day of June, 2015.

  
DONALD E. LEVY

State of New Jersey)

County of Monmouth)

On this 8 day of June, 2015, before me a Notary Public in and for the above County and State, personally appeared Donald E. Levy, and acknowledged the execution of the foregoing assignment as his/her free act and deed for the purpose herein set forth.



Notary Public

My Commission Expires: April 15, 2019

DEBORAH ANN BRUDNICKI  
NOTARY PUBLIC OF NEW JERSEY  
My Commission Expires Apr 15, 2019

IN TESTIMONY WHEREOF, I have hereunto set my hand this 5<sup>th</sup> day of JUNE, 2015.

  
\_\_\_\_\_  
**ROGER PIQUERAS JOVER**

State of NY )

County of NY )

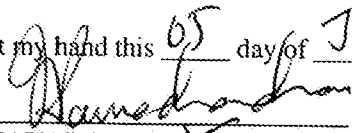
On this 5 day of June, 2015, before me a Notary Public in and for the above County and State, personally appeared Roger Piqueras Jover, and acknowledged the execution of the foregoing assignment as his/her free act and deed for the purpose herein set forth.

Angela Carroll  
Notary Public

My Commission Expires: 3/16/17



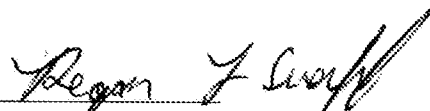
IN TESTIMONY WHEREOF, I have hereunto set my hand this 05 day of JUNE, 2015.

  
JAYARAMAN RAMACHANDRAN

State of New Jersey

County of Middlesex

On this 5 day of June, 2015, before me a Notary Public in and for the above County and State, personally appeared Jayaraman Ramachandran, and acknowledged the execution of the foregoing assignment as his/her free act and deed for the purpose herein set forth.

  
Notary Public

REGAN L. TUEFF  
Notary Public  
State Of New Jersey  
My Commission Expires March 7, 2017  
ID# 241810

My Commission Expires: \_\_\_\_\_

IN TESTIMONY WHEREOF, I have hereunto set my hand this 8 day of June, 2015.

Cristina Serban  
CRISTINA SERBAN

State of New Jersey )  
County of Monmouth )

On this 8 day of June, 2015, before me a Notary Public in and for  
the above County and State, personally appeared Cristina Serban,  
and acknowledged the execution of the foregoing assignment as his/her free act and deed for the purpose  
herein set forth.

  
Notary Public

My Commission Expires: 11/24/2019

**SETUL PARIKH**  
**NOTARY PUBLIC OF NEW JERSEY**  
**My Commission Expires Nov. 24, 2019**