504453828 07/12/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4500529

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DAVID GROSS	10/20/2015
JOSHUA LACKEY	10/07/2015
DONALD E. LEVY	10/15/2015
ROGER PIQUERAS JOVER	10/06/2015
JAYARAMAN RAMACHANDRAN	10/02/2015
CRISTINA SERBAN	10/02/2015

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:	15638817

CORRESPONDENCE DATA

Fax Number: (847)510-0710

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: docketing@ggip.com

Correspondent Name: AT&T LEGAL DEPARTMENT - GG ATTN: PATENT

Address Line 1: ROOM 2A-207
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Address Line 4: BEDMINSTER, NEW JERSEY 07921

ATTORNEY DOCKET NUMBER:	2015-0468 CON_7785-1200-1
NAME OF SUBMITTER:	ED GUNTIN
SIGNATURE:	/Ed Guntin/
DATE SIGNED:	07/12/2017

PATENT 504453828 REEL: 042989 FRAME: 0017

Total Attachments: 8 source=7785-1200 Signed Assignment - All#page1.tif source=7785-1200 Signed Assignment - All#page2.tif source=7785-1200 Signed Assignment - All#page3.tif source=7785-1200 Signed Assignment - All#page4.tif source=7785-1200 Signed Assignment - All#page5.tif source=7785-1200 Signed Assignment - All#page6.tif source=7785-1200 Signed Assignment - All#page7.tif source=7785-1200 Signed Assignment - All#page8.tif

PATENT REEL: 042989 FRAME: 0018

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 COMMUNICATING NETWORK MANAGEMENT TRAFFIC OVER A NETWORK**; having AT&T Docket No. 2015-0468, 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.

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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, II	nave hereunto set my hand this 2014 day of 2016, 2015.
	David Gloon
	DAVID GROSS
State of New Jersey)
County of Middlesex	
On this $20^{\frac{4}{10}}$ day of _	Octobe 2015, before me a Notary Public in and
for the above County and State, p	ersonally appeared
Pavid Gross	, and acknowledged the execution of the foregoing
assignment as his/her free act and	deed for the purpose herein set forth.
BaQHul-	
Notary Public	My Commission Expires:

BARSARA A MCCANN Notary Public

State of New Jersey
My Commission Expires Oct. 2, 2017
1.D # 2425790

IN TESTIMONY WHEREOF, I have hereunto set my hand this 1th day of October, 2015. JOSHUA LACKEY
State of Washington)
County of Snohomish
On this 7th day of October, 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.
Oina Ethendox Notary Public My Commission Expires: 12/29/2018
NOTARY PUBLIC SERVING WAS IN THE PROPERTY OF T

IN TESTIMONY WHEREOF, I have hereunto set my hand this 15 day of Octob, 2015. DONALD E. LEVY
State of New Jersey)
County of Monmouth)
On this 15 day of October, 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.
Valerie Silvinaela
Notary Public My Commission Expires: 10 2: 19

IN TESTIMONY WHEREOF, I have hereunto set my hand this 6th day of 27000, 2015. ROGAR PIQUERAS JOVER
State of NEW YORK
County of NEW YORK On this 6th day of October, 2015, before me a Notary Public in and
for the above County and State, personally appeared BOGER TOUER PIQUER and acknowledged the execution of the foregoing
assignment as his/Her free act and deed for the purpose herein set forth.
2. Atameode
Notary Public My Commission Expires: MAY 28, 2017 RICHARD ASHMEADE NOTARY PUBLIC, STATE OF NEW YORK Registration No. 01AS8282970 Gualified in Bronx County Commission Expires May 28, 2017

IN TESTIMONY WHEREOF, I have hereunto set my hand to	this 2 day of <u>Order</u> , 2015. MAN RAMACHANDRAN
State of New Sersey	
County of Middle sex	
On this 2 day of 0 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	, 2015, before me a Notary Public in and
Jayaraman Ramachandran , and ack	n owledged the execution of the foregoing
assignment as his/her free act and deed for the purpose herein	
Notary Public My Commission Expires	REGAN L. TUERFF Notiny Public State Of Pen Jamey My Commission Expires March 7, 2017 (04 24 1810
crosse; come may continue thics	

IN TESTIMONY WHEREOF, I have hereunto set my hand this $\frac{0.2}{\text{closer}}$ day of $0.00000000000000000000000000000000000$
CRISTINA SERBAN
State of New Tersey County of Monmouth
On this 2 day of October, 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: November 24, 2019

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