## 504069010 10/27/2016

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
ROBERT BENNETT	10/17/2016
IRWIN GERSZBERG	10/13/2016
FARHAD BARZEGAR	10/17/2016
THOMAS M. WILLIS III	10/14/2016
DONALD J. BARNICKEL	10/14/2016
PAUL SHALA HENRY	10/14/2016

### **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:	15299576

### **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

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Address Line 4: BEDMINSTER, NEW JERSEY 07921

ATTORNEY DOCKET NUMBER:	7785-1539
NAME OF SUBMITTER:	ED GUNTIN
SIGNATURE:	/Ed Guntin/
DATE SIGNED:	10/27/2016

PATENT REEL: 040146 FRAME: 0054

# Total Attachments: 8 source=7785 1539 SIGNED Assignment#page1.tif source=7785 1539 SIGNED Assignment#page2.tif source=7785 1539 SIGNED Assignment#page3.tif source=7785 1539 SIGNED Assignment#page4.tif source=7785 1539 SIGNED Assignment#page5.tif source=7785 1539 SIGNED Assignment#page6.tif source=7785 1539 SIGNED Assignment#page7.tif source=7785 1539 SIGNED Assignment#page8.tif

PATENT REEL: 040146 FRAME: 0055

### **ASSIGNMENT**

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; Assignor also authorizes the Assignee, any agent of the Assignee, and any attorney of the Assignee to fill in the U.S. Application Serial No. above, and any further identification information, if required;

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 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.

IN TESTIMONY WHEREOF, I have hereunto set my hand the	nis 17 day of Oct . 2016.
ROBERT B	HOLLENNETT
State of Dew Sersey)	
County of Monmouth)	
Robert Bennett, and ackno	2016, before me a Notary Public in and wledged the execution of the foregoing
assignment as his/her free act and deed for the purpose herein se	et forth.
Notary Public My Commission Expires:	NANCY A. HENDERSON NOTARY PUBLIC OF NEW JERSEY I.D. # 50027401 My Commission Expires 12/1/2020

IN TESTIMONY WHEREOF, I have hereunto set my hand this 13 day of October 201	6.
IRWIN GERSZBERG	
State of New Jers ef  County of Monmouth	
On this 13 day of October . 2016, before me a Notary Public in a for the above County and State, personally appeared	
Trwin Gers 25 erg, and acknowledged the execution of the forego assignment as his/her free act and deed for the purpose herein set forth.	ing
Dorothy Zarsky Notary Public State of New Jersey My Commission Expires Feb 23, 2020  My Commission Expires:	

IN TESTIMONY WHEREOF, I have hereunto set my hand this 17th day of October, 2016.
FARHAD BARZEGAR
State of New Street
County of Monnousto)
On this 17 day of 2016, before me a Notary Public in and for the above County and State, personally appeared
Fashad Balzegae, and acknowledged the execution of the foregoing
assignment as his/her free act and deed for the purpose herein set forth.
ancy a Henderson NANCY A. HENDERSON NOTARY PUBLIC OF NEW JERSEY
Notary Public My Commission Expires: I.D. # 50027401  My Commission Expires: My Commission Expires 12/1/2020

IN TESTIMONY WHEREOF,	I have hereunto set my hand thi	is 14th day of October, 2016.
		or M. Willi III
State of New Sorsee	<b>(</b> )	
State of Menouts	<u> </u>	
On this day of for the above County and State, p	october 2	016, before me a Notary Public in and
Thomas M Will	15 III , and acknow	vledged the execution of the foregoing
assignment as his/her free act and	deed for the purpose herein set	forth.
Pancy Co. Henderson Notary Public	My Commission Expires:	NANCY A. HENDERSON NOTARY PUBLIC OF NEW JERSEY 1.D. # 50027401 My Commission Expires 12/1/2020

IN TESTIMONY WHEREOF,	I have hereunto set my hand th	is 14 TM day of Octo32R. 2016.
	DONALD J.	BARNICKEL
State of Chi Jersey	_)	
County of Monmouth	_)	
On this day of	4	2016, before me a Notary Public in and
for the above County and State, p		
Donald J. Bari	nickel, and ackno	wledged the execution of the foregoing
assignment as his/her free act and	deed for the purpose herein se	t forth.
Parcy O. Herderson Notary Public	My Commission Expires:	NANCY A. HENDERSON NOTARY PUBLIC OF NEW JERSEY 1.D. # 50027401 My Commission Expires 12/1/2020

IN TESTIMONY WHEREOF, I have hereunto set my hand this day of 0, 201	16.
PAUL SHALA HENRY	
State of New Sersey)	
County of Monmouth,	
On this 14 day of October . 2016, before me a Notary Public in a for the above County and State, personally appeared . and acknowledged the execution of the foregonassignment as his/her free act and deed for the purpose herein set forth.	
Notary Public  My Commission Expires:  NANCY A. HENDERSON NOTARY PUBLIC OF NEW JERSEY 1.D. # 50027401  My Commission Expires 12/1/2020	