# 504099179 11/16/2016

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
PAUL SHALA HENRY	11/19/2014
ROBERT BENNETT	11/19/2014
IRWIN GERSZBERG	11/19/2014
FARHAD BARZEGAR	11/19/2014
DONALD J. BARNICKEL	11/19/2014
THOMAS M. WILLIS III	11/19/2014

### **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:	15350709

## **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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ATTORNEY DOCKET NUMBER:	7785-1116-02
NAME OF SUBMITTER:	ED GUNTIN
SIGNATURE:	/Ed Guntin/
DATE SIGNED:	11/16/2016

PATENT REEL: 040346 FRAME: 0550

# Total Attachments: 8 source=7785-1116 Signed Assignment - All#page1.tif source=7785-1116 Signed Assignment - All#page2.tif source=7785-1116 Signed Assignment - All#page3.tif source=7785-1116 Signed Assignment - All#page4.tif source=7785-1116 Signed Assignment - All#page5.tif source=7785-1116 Signed Assignment - All#page6.tif source=7785-1116 Signed Assignment - All#page7.tif source=7785-1116 Signed Assignment - All#page8.tif

PATENT REEL: 040346 FRAME: 0551

### ASSIGNMENT

WHEREAS We, Paul Shala Henry, residing at 7 Crow Field Lane, Holmdel, NJ 07733, and Robert Bennett, residing at 1540 North Bayview Rd EXT, Southold, NY 11971, and Irwin Gerszberg, residing at 12 Dickinson Road, Kendall Park, NJ 08824, and Farhad Barzegar, residing at 14 FARRINGTON LANE, BRANCHBURG, NJ 08876, and Donald J Barnickel, residing at 3 Wells Road, Flemington, NJ 08822, and Thomas M. Willis III, residing at 10 Beverly Court, Tinton Falls, NJ 07724, hereinafter referred to as Assignor, am listed as an inventor on a patent application entitled TRANSMISSION DEVICE WITH MODE DIVISION MULTIPLEXING AND METHODS FOR USE THEREWITH; having AT&T Docket No. 2014-0792, 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 19th day of 10th, 2014.  Paul Shala Henry	
State of NJ )	
County of Monmouth	
On this 19 day of November . 2014, before me a Notary Public in and for the above County and State, personally appeared Paul Shala Henry , and acknowledged the execution of the foregoing assignment as his/her free act and deed for the purpose herein set forth.	
Fash Pfff Notary Public My Commission Expires: 10-22-2014	
PAULA PFAFF	

NOTARY PUBLIC OF NEW JERSEY ID # 50005080 My Commission Expires 10/22/2019

IN TESTIMONY WHEREOF, I have hereunto set my hand this 19 day of 100, 2014.
State of New Jersey
State of New Jersey) County of Monmouth
On this 19th day of November, 2014, before me a Notary Public in and for
the above County and State, personally appeared Robert Bennett,
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: 10/21/19  VALERIE SCHUMACHER  NOTARY PUBLIC OF NEW JERSEY  ID # 50004989  My Commission Expires 10/21/2019

IN TESTIMONY WHEREOF, I have hereunto set my hand this 19th day of November, 2014.  Sayled Sayled
State of New Tersey) County of Monmouth
On this 19th day of November, 2014, before me a Notary Public in and for the above County and State, personally appeared Farhard Barzegar, and acknowledged the execution of the foregoing assignment as his/her free act and deed for the purpose herein set forth.
Vallie Schunacl  Notary Public My Commission Expires: 10/21/19

IN TESTIMONY WHEREOF, I have here	eunto set my hand this 19 day of MOVERBEK 2014.
	Donald J Barnickel
State of NJ (County of Mon mouth)	
the above County and State, personally app	peared Donald J Barnicke, egoing assignment as his/her free act and deed for the purpose
herein set forth.	by assignment as mismer free act and deed for the purpose
Karla Rff Notary Public My Co	ommission Expires: <u>10-22-2019</u>

PAULA PFAFF NOTARY PUBLIC OF NEW JERSEY ID # 50005080 My Commission Expires 10/22/2019

Thomas M. Willis III  Thomas M. Willis III
State of New Tersey)
County of Monmouth
On this 19th day of November, 2014, before me a Notary Public in and for the above County and State, personally appeared Thomas M. W. III's TITLE,
and acknowledged the execution of the foregoing assignment as his/her free act and deed for the purpose
Notary Public  My Commission Expires: 10 2 19  VALERIE SCHUMACHER  NOTARY PUBLIC OF NEW JERSEY  ID # 50004989  My Commission Expires 10/21/2019