505336818 02/20/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5383599

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date	
ZHI CUI	03/30/2017	
JIANSONG WANG	04/03/2017	

RECEIVING PARTY DATA

Name:	AT&T INTELLECTUAL PROPERTY I, L.P.		
Street Address:	675 WEST PEACHTREE STREET, NW		
City:	ATLANTA		
State/Country:	GEORGIA		
Postal Code:	30308		

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	16280311	

CORRESPONDENCE DATA

Fax Number: (215)568-3439

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: 2155683100

Email: assignments@bakerlaw.com
Correspondent Name: BAKER HOSTETLER LLP
Address Line 1: 2929 ARCH STREET

Address Line 2: CIRA CENTRE, 12TH FLOOR

Address Line 4: PHILADELPHIA, PENNSYLVANIA 19104

ATTORNEY DOCKET NUMBER: 2016-0239CON/101900002196		
NAME OF SUBMITTER: OUIDA M. HOWARD		
SIGNATURE: /Ouida M. Howard/		
DATE SIGNED:	02/20/2019	

Total Attachments: 4

source=101900_002196_Executed_Assignment#page1.tif source=101900_002196_Executed_Assignment#page2.tif source=101900_002196_Executed_Assignment#page3.tif source=101900_002196_Executed_Assignment#page4.tif

PATENT 505336818 REEL: 048383 FRAME: 0081

Assignment

Docket No. 2016-0239

ASSIGNMENT

WHEREAS I, Zhi Cui residing at 770 Links View Drive, Sugar Hill, Georgia 30518 hereafter referred to as Assignor, am listed as an inventor on a patent application entitled "Systems and Methods for Tunnel Free Connectionless Packet Routing to a Service Edge," having AT&T Docket No. 2016-0239, the patent application to be filed in the United States Patent & Trademark Office; 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 West Peachtree Street, NW, Atlanta, Georgia 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 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.

PATENT REEL: 048383 FRAME: 0082

	2 (2) 2 (2) 3 (3) 5 (3)	Property Communication Communi		
This Assignment may be executed in an electrical an original, and such consultaparts Assignment or any form of an electronic can original.	opy of this Assignmen	i, including the signal	une pages hereto, shall	vered small re exply of this the document to be
IN TESTIMONY WHEREAH, I have b	erennic see my hand th	<u>, 30thasar M</u>	ars& .2017	
	Zhi Cei			The same of the sa
National Green Din 1		# 12 6 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		
Commy of Garante)				
On this 304 day of March appeared 2 he Cul steed for the purpose herein section h.	, 2017, before me a Ne , med acknowledged th	unry Pahlie in aid filer wexcultion of the fort	the above County and point assignment as hi	Ayler becord say
Square My Com	nerisanyi Lapince 🧷	1/19/2020		
ITEMPO WALLACE CONTROL TO PROPERTY FORCE - Street of Compte Learning Compte My Commission Explore No. 18, 1939				1977 (A)
				PATE AND THE PATE
				THE ROLL OF STREET
			The second secon	
				and the second s
	1 24 25 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			

PATENT REEL: 048383 FRAME: 0083

ASSIGNMENT

WHEREAS I, Jiansong Wang residing at 33 Pointe of Woods Drive, Parlin, New Jersey 08859 hereafter referred to as Assignor, am listed as an inventor on a patent application entitled "Systems and Methods for Tunnel Free Connectionless Packet Routing to a Service Edge," having AT&T Docket No. 2016-0239, the patent application to be filed in the United States Patent & Trademark Office; 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 West Peachtree Street, NW, Atlanta, Georgia 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 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.

PATENT REEL: 048383 FRAME: 0084 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 3rd day of April . 2017.

Amy with the last set of the

State of New Jersey

County of Manager W

On this day of April , 2017, before me a Notary Public in and for the above County and State, personally appeared Time down to be a forthed acknowledged the execution of the foregoing assignment as his/her free act and deed for the purpose herein set forthed

Notary Public

My Commission Expires: Jun 16, 201

ANGELA Y SHEU Notary Public State of New Jersey My Commission Expires Jan 25, 2021

> PATENT REEL: 048383 FRAME: 0085

RECORDED: 02/20/2019