PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5011132

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
XIDONG WU	06/15/2011
MARK H. BRADY	06/15/2011
JIN WANG	06/15/2011

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16009264

CORRESPONDENCE DATA

Fax Number:

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: 919-469-2629

Email: admin@scottzimmerman.com
Correspondent Name: SCOTT P. ZIMMERMAN, PLLC

Address Line 1: P. O. BOX 3822

Address Line 4: CARY, NORTH CAROLINA 27519

ATTORNEY DOCKET NUMBER:	2011-0090 CON3	
NAME OF SUBMITTER:	SCOTT P. ZIMMERMAN	
SIGNATURE:	/Scott P. Zimmerman/	
DATE SIGNED:	06/18/2018	

Total Attachments: 4

source=2011-0090 Signed Assignment#page1.tif source=2011-0090 Signed Assignment#page2.tif source=2011-0090 Signed Assignment#page3.tif

source=2011-0090 Signed Assignment#page4.tif

PATENT REEL: 046118 FRAME: 0558

Attorney Docket No. 2011-0090

ASSIGNMENT

THIS ASSIGNMENT, made by XIDONG WU, MARK BRADY, and JIN WANG;

WITNESSETH: That.

WHEREAS, we are the sole inventors of certain new and useful improvements in networking for which an application is being filed in the United States Patent and Trademark Office. We hereby authorize and request Scott P. Zimmerman, PLLC to file this Assignment with the application; and

WHEREAS, AT&T Intellectual Property I, L.P., a Corporation of the State of Georgia, having a place of business at 675 W. Peachtree Street, Suite 4000, Atlanta, GA 30375, hereinafter referred to as assignee, is desirous of acquiring the entire right, title and interest in and to said invention as described in said application, and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries;

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold and by these presents do hereby sell, assign, transfer, and convey unto the said assignee, its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues or other forms of protection thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted along with any term extensions thereon or therefor, together with the right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not been made.

We hereby request that said Letters Patent be issued in accordance with this assignment.

We further covenant and agree that, at the time of the execution and delivery of these presents, we possess full title to the invention and application above-mentioned, and that we have the unencumbered right and authority to make this assignment.

Page 1 of 4

I further covenant and agree to communicate to said assignee or its representatives any facts known to me relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the assignee, its representatives, successors, or assigns to secure patent or similar protection for the said invention in all countries and to vest in the assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said assignee, its successors, assigns, and other legal representatives; and I hereby instruct, and further covenant and agree to bind my heirs, legal representatives, and assigns, to do same, without further compensation, but at the expense of said assignee or its representatives.

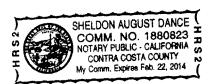
IN WITNESS WHERI	EOF, I have hereunto set my hand and seal on the	nis <u>/</u> day of
<u>June</u> , 2011.		
	XIDONG WU	_(Signature)
STATE OF California)	
COUNTY OF Conter) ss:)	
Before me personally a	appeared the person described in and who execut	ted the foregoing
instrument, and U he acknowled	dged to me that #he executed the same for the p	ourposes therein

stated, this 15th day of June, 2011.

Local June
Notary Public

SEAL

My Commission Expires: 02/22/2014



IN WITNESS WHEREOF, I have hereunto set my hand and seal on this day of
STATE OF California) SS: COUNTY OF Contre Costa
Before me personally appeared the person described in and who executed the foregoing
instrument, and the acknowledged to me that the executed the same for the purposes therein
stated, this $5^{\frac{1}{12}}$ day of $5^{\frac{1}{12}}$ day of $5^{\frac{1}{12}}$, 2011.
SEAL My Commission Expires: 67 / 22 / 2014 SHELDON AUGUST DANCE COMM. NO. 1880823 TO CONTRA COSTA COUNTY My Comm. Expires Feb. 22, 2014 My Comm. Expires Feb. 22, 2014

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 15th day of June, 2011.
JIN WANG (Signature)
STATE OF Canformin) SS: COUNTY OF Conton)
Before me personally appeared the person described in and who executed the foregoing
instrument, and 46/he acknowledged to me that 66/he executed the same for the purposes therein
stated, this 15th day of July , 2011.
SEAL My Commission Expires: 02/22/2014 SHELDON AUGUST DANCE COMM. NO. 1880823 NOTARY PUBLIC - CALIFORNIA CONTRA COSTA COUNTY My Comm. Expires Feb. 22, 2014