

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4009076

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	DERON RINGEN	12/08/2010
RECEIVING PARTY DATA		
Name:	AT&T INTELLECTUAL PROPERTY I, L.P.	
Street Address:	675 WEST PEACHTREE STREET	
City:	ATLANTA	
State/Country:	GEORGIA	
Postal Code:	30308	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	14709776
CORRESPONDENCE DATA		
Fax Number:	(404)607-9981	
<i>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.</i>		
Phone:	4046079991	
Email:	USPTOPATENTMAIL@CANTORCOLBURN.COM	
Correspondent Name:	CANTOR COLBURN LLP	
Address Line 1:	20 CHURCH STREET	
Address Line 2:	22ND FLOOR	
Address Line 4:	HARTFORD, CONNECTICUT 06103	
ATTORNEY DOCKET NUMBER:	2008-1377CON (BLL0703USC)	
NAME OF SUBMITTER:	DUANE P. MINLEY	
SIGNATURE:	/Duane P. Minley/	
DATE SIGNED:	08/16/2016	
Total Attachments: 2		
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ASSIGNMENT

WHEREAS, **Deron Ringen**, a citizen of the United States of America; residing at **2175 Woodgreen Drive, NW, Acworth, Georgia 30101** a citizen of the United States of America; hereinafter called the "Assignors," have made the invention described in United States patent application entitled **"ARCHITECTURE FOR NETWORK MANAGEMENT IN A MULTI-SERVICE NETWORK,"** Attorney Docket No. **2008-1377 (BLL-0703)**, for a full description of which reference is here made to an application for Letters Patent of the United States filed herewith; and

WHEREAS, **AT&T INTELLECTUAL PROPERTY I, L.P.**, a partnership organized and existing under the laws of the State of Nevada, having a place of business at **645 E. Plumb Lane, Reno, Nevada 89502**, hereinafter called the "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 thereof.

NOW, THEREFORE in consideration of the sum of One Dollar (\$1.00) and other valuable and legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents does sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents therefor in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; 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 said Assignors hereby covenant and agree, for both the Assignors and the Assignors' legal representatives, that the Assignors will assist the Assignee in the prosecution of the patent application identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; in vesting in the Assignee like exclusive title in and to all such other patent applications and patents; and in the prosecution of any interference which may arise involving said invention, or any such patent application or patent; and that the Assignors will execute and deliver to the Assignee to carry out the terms of this Assignment. Assignors

authorize attorney or agent to fill in the U.S. Application Serial No. above, if required.

AND said Assignors authorize and request the Commissioner of Patents to issue Letters Patent on said application, and on any all divisions and continuations thereof, to said Assignee, its assigns and legal representatives, in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, this Assignment is executed by said Assignors, on the date(s) listed below.

12/8/10
Date

[Signature]
Deron Ringen

STATE OF GA

COUNTY OF Cobb

Before me, a Notary Public in and for the State of GA, on this 8 day of December, 2010, personally appeared **Deron Ringen**, who being duly sworn, signed and acknowledged the foregoing Assignment as his/her free act and deed.

[Signature]
NOTARY PUBLIC

My Commission Expires: Sept 25 2013

