

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	LEONARD CIAVATTONE	12/07/2010
RECEIVING PARTY DATA		
Name:	AT&T Intellectual Property I, L.P.	
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PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	14848469
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ATTORNEY DOCKET NUMBER:	2010-0586CON/27.5269USC1	
NAME OF SUBMITTER:	ADAM J. CITRIN	
SIGNATURE:	/Adam J. Citrin/	
DATE SIGNED:	09/09/2015	
Total Attachments: 2		
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ASSIGNMENT

WHEREAS, I, **Leonard Ciavattone**, residing at 38 Bristol Road, Holmdel, New Jersey 07733, USA, am the sole inventor of an invention entitled "**DETECTING AND MEASURING NETWORK ROUTE RECONVERGENCE USING IN-BAND DATA PROBES**" as described and claimed in the specification forming part of an application for United States letters patent executed herewith.

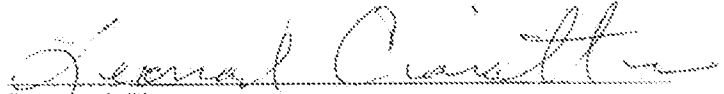
AND WHEREAS, AT&T Intellectual Property I, L.P., a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having an office and place of business at 645 E. Plumb Lane, Reno, Nevada 89502 (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, I have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted therefrom; and I do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the Assignee, its successors and assigns.

AND, for the consideration aforesaid, I do hereby agree that me and my executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to me relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore I covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 7 day of December, 2010.


Leonard Ciavattone

STATE OF New Jersey)
) ss.
COUNTY OF Monmouth)

On this 7 day of December, 2010, before me personally appeared Leonard Ciavattone, to me known and known to me to be the person described in and who executed the foregoing instrument, and he duly acknowledged to me that he executed the same for the uses and purposes therein set forth.

[SEAL]


Notary Public

KAREN M. CREDLE
A NOTARY OF NEW JERSEY
MY COMMISSION EXPIRES AUGUST 25, 2012