

**PATENT ASSIGNMENT**

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Alan L. Glasser	10/13/2009
Andrew G. Gauld	10/13/2009
Vijay Gopalakrishnan	10/26/2009
John F. Lucas	10/13/2009
Kadangode K. Ramakrishnan	10/23/2009
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	AT&T INTELLECTUAL PROPERTY I, LP
<b>Street Address:</b>	645 E. Plumb Lane
<b>City:</b>	Reno
<b>State/Country:</b>	NEVADA
<b>Postal Code:</b>	89502
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	12608649
<b>CORRESPONDENCE DATA</b>	
Fax Number:	(512)439-7199
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	(512) 439-7100
Email:	landre@larsonnewman.com
Correspondent Name:	Larson Newman & Abel, LLP
Address Line 1:	5914 West Courtyard Drive, Suite 200
Address Line 4:	Austin, TEXAS 78730
ATTORNEY DOCKET NUMBER:	2008-2213
NAME OF SUBMITTER:	Timothy G. Newman

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Total Attachments: 5

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## ASSIGNMENT

WHEREAS, Alan L. Glasser, a citizen of the United States of America; residing at 4 Sheffield Drive, Manalapan, New Jersey 07726 in the County of Monmouth, and the State of New Jersey, Andrew G. Gauld, a citizen of the United States of America; residing at 67 Cherry Tree Farm Road, Middletown, New Jersey 07748 in the County of Monmouth, and the State of New Jersey, Vijay Gopalakrishnan, a citizen of India; residing at 851 Springfield Avenue, # 11E, Summit, New Jersey 07901 in the County of Union, and the State of New Jersey, John F. Lucas, a citizen of the United States of America; residing at 2 Princeton Court, Tinton Falls, New Jersey 07724 in the County of Monmouth, and the State of New Jersey, and Kadangode K. Ramakrishnan, a citizen of the United States of America; residing at 9 Highland Circle, Berkeley Heights, New Jersey 07922 in the County of Union, and the State of New Jersey, hereinafter called the "Assignors," have made the invention described in the United States patent application entitled "Synchronization of Clients to Maximize Multicast Opportunities," Attorney Docket No. 2008-2213, 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 Assignor has 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 Assignor hereby covenants and agrees, for both the Assignor and the Assignor's legal representatives, that the Assignor 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 Assignor authorizes and requests 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 Assignor, on the date(s) listed below.

Name of Inventor: Alan L. Glasser  
Signature of Inventor: Alan L. Glasser  
Date: Oct, 13, 2009

United States of America )  
State of )  
County of )

On this 13 day of October, 2009, before me personally came Alan L. Glasser, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Karen M. Credle  
Notary Public  
**KAREN M. CREDLE  
A NOTARY OF NEW JERSEY  
MY COMMISSION EXPIRES AUGUST 25, 2013**

Name of Inventor: Andrew G. Gauld  
Signature of Inventor: Andrew G. Gauld  
Date: October 13th, 2009

United States of America )  
State of )  
County of )

On this 13 day of October, 2009, before me personally came Andrew G. Gauld, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Karen M. Credle  
Notary Public  
**KAREN M. CREDLE  
A NOTARY OF NEW JERSEY  
MY COMMISSION EXPIRES AUGUST 25, 2013**

Name of Inventor: Vijay Gopalakrishnan

Signature of Inventor: *Vijay*

Date: October 26, 2009

United States of America )  
State of New Jersey )  
County of Morris )

On this 26 day of October, 2009, before me personally came Vijay Gopalakrishnan, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

*Isabel M. Cabrera*  
Notary Public

**ISABEL M. CABRERA**  
**NOTARY PUBLIC OF NEW JERSEY**  
**I.D. # 2389780**  
**My Commission Expires 9/24/2014**

Name of Inventor: John F. Lucas

Signature of Inventor: \_\_\_\_\_

Date: \_\_\_\_\_

United States of America )  
State of )  
County of )

On this \_\_\_\_\_ day of \_\_\_\_\_, 2009, before me personally came John F. Lucas, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

\_\_\_\_\_  
Notary Public

Name of Inventor: Vijay Gopalakrishnan

Signature of Inventor: \_\_\_\_\_

Date: \_\_\_\_\_

United States of America )  
State of )  
County of )

On this \_\_\_\_\_ day of \_\_\_\_\_, 2009, before me personally came Vijay Gopalakrishnan, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

\_\_\_\_\_  
Notary Public

Name of Inventor: John F. Lucas

Signature of Inventor: \_\_\_\_\_

John F. Lucas

Date: October 13, 2009

United States of America )  
State of )  
County of )

On this 13 day of October, 2009, before me personally came John F. Lucas, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Karen M. Credle  
Notary Public

**KAREN M. CREDLE**  
**A NOTARY OF NEW JERSEY**  
**MY COMMISSION EXPIRES AUGUST 25, 2013**

KAREN M. CREDLE  
A NOTARY OF NEW JERSEY  
MY COMMISSION EXPIRES AUGUST 25, 2013

Name of Inventor: Kadangode K. Ramakrishnan  
 Signature of Inventor: *Kadangode K. Ramakrishnan*  
 Date: Oct 23, 2009

United States of America    )  
 State of *New Jersey*        )  
 County of *Morris*            )

On this 23<sup>rd</sup> day of October, 2009, before me personally came Kadangode K. Ramakrishnan, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

*Isabel M. Cabrera*  
 Notary Public

**ISABEL M. CABRERA**  
**NOTARY PUBLIC OF NEW JERSEY**  
**I.D. # 2389780**  
**My Commission Expires 9/24/2014**