

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5113829

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
HUAJIN JENG	10/31/2011
PRAVIN JOHRI	10/31/2011
HAN NGUYEN	10/31/2011
SAMIR SAAD	11/01/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	AT&T INTELLECTUAL PROPERTY I, L.P.
<b>Street Address:</b>	675 W. PEACHTREE STREET
<b>City:</b>	ATLANTA
<b>State/Country:</b>	GEORGIA
<b>Postal Code:</b>	30308
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15970566
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(312)580-9696
<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>	
<b>Phone:</b>	312-580-1020
<b>Email:</b>	hshamat@hfzlaw.com,kjacklin@hfzlaw.com,fmartinez@hfzlaw.com,mailroom@hfzlaw.com
<b>Correspondent Name:</b>	HANLEY, FLIGHT & ZIMMERMAN, LLC
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<b>ATTORNEY DOCKET NUMBER:</b>	2010-1355CON2
<b>NAME OF SUBMITTER:</b>	KIM A. JACKLIN
<b>SIGNATURE:</b>	/Kim A. Jacklin/
<b>DATE SIGNED:</b>	08/28/2018
<b>Total Attachments: 5</b>	
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## ASSIGNMENT

Serial No: 13/285,927

Filed: October 31, 2011

Title: METHODS, APPARATUS, AND ARTICLES OF MANUFACTURE TO PROVIDE A MULTICAST VIRTUAL PRIVATE NETWORK (MVPN)

For good and valuable consideration, the receipt and sufficiency whereof are hereby acknowledged, the undersigned hereby assigns to AT&T INTELLECTUAL PROPERTY I, L.P., a Nevada Partnership, 675 W. Peachtree St., Suite 4000, Atlanta, GA 30375 (hereinafter "Assignee"), its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States (which may be a Patent Cooperation Treaty international application designating the United States) and in said application and any and all other applications, United States, international and/or foreign, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and/or foreign countries, which may be obtained on any of said applications, and in any reissue or extension thereof.

The undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee.

The undersigned hereby authorizes and requests the attorneys of record in said application to insert in this assignment the execution date and/or filing date and serial number of any such application(s) when officially known.

The undersigned warrants himself to be the owner of the interest herein assigned and to have the right to make this assignment and further warrants that there are no outstanding prior assignments, licenses, or other rights in the interest herein assigned.

For said consideration the undersigned hereby agrees, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all international, divisional, continuation, continuation-in-part and substitute applications for said invention or improvements, and any necessary oath or affidavit relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application, and any and all applications and other documents for Letters Patent in foreign countries on said invention or improvements, that said assignee, its successors or assigns, may deem necessary or expedient, and for said consideration the undersigned further agrees upon the request of said assignee, its successors or assigns, in the event of any application or Letters Patent assigned herein becoming involved in Interference, to cooperate to the best of the ability of the undersigned with said assignee, its successors or assigns, in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof, the undersigned hereby agreeing to perform, upon request, any and all affirmative acts to obtain said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in said assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by said assignee, its successors and assigns, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment and sale had not been made.

INVENTOR 1

Attorney Docket No. 2010-1355

WITNESS my hand this 31<sup>st</sup> day of October, 2011.

Huajin Jeng  
Huajin Jeng

Witnessed by: [Signature]  
Signature

Date: 10/31/11

PRAVIN JOHAI  
Printed Name of Witness

Witnessed by: [Signature]  
Signature

Date: 10/31/11

RAVI PULIPATI  
Printed Name of Witness

SECTION BELOW IS FOR USE ONLY IF SIGNING IN THE PRESENCE OF A NOTARY

Huajin Jeng  
Huajin Jeng

Date: 10/31/2011

STATE OF New Jersey

COUNTY OF Monmouth

SS.

On this 31<sup>st</sup> day of October, 2011, before me, a Notary Public in and for the County and State aforesaid, appeared **Huajin Jeng**, to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

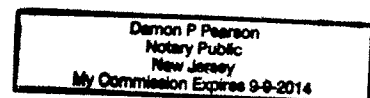
Notary Public:

[Signature]

WITNESS my hand and seal the same day and year last above given.

My Commission Expires:

9/9/2014  
\*\*\*\*\*



INVENTOR 2

Attorney Docket No. 2010-1355

WITNESS my hand this 31 day of October, 2011.

Pravin Johri  
Pravin Johri

Witnessed by: [Signature]

Signature

Date: 10/31/2011

LIVAJIN JENG  
Printed Name of Witness

Witnessed by: [Signature]

Signature

Date: 10/31/2011

RAVI PULIPATI  
Printed Name of Witness

SECTION BELOW IS FOR USE ONLY IF SIGNING IN THE PRESENCE OF A NOTARY

Pravin Johri  
Pravin Johri

Date: 10/31/11

STATE OF New Jersey ss.

COUNTY OF Monmouth

On this 31<sup>st</sup> day of October, 2011, before me, a Notary Public in and for the County and State aforesaid, appeared **Pravin Johri**, to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

Notary Public:

WITNESS my hand and seal the same day and year last above given.

My Commission Expires:

9/9/2014  
\*\*\*\*\*

Damon P Pearson  
Notary Public  
New Jersey  
My Commission Expires 9-9-2014

INVENTOR 3

WITNESS my hand this \_\_\_\_\_ day of \_\_\_\_\_, 2011.

\_\_\_\_\_  
**Han Nguyen**

Witnessed by: \_\_\_\_\_  
Signature

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

\_\_\_\_\_  
Printed Name of Witness

Witnessed by: \_\_\_\_\_  
Signature

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

\_\_\_\_\_  
Printed Name of Witness

SECTION BELOW IS FOR USE ONLY IF SIGNING IN THE PRESENCE OF A NOTARY

\_\_\_\_\_  
**Han Nguyen**

Date: 10/31/2011

STATE OF New Jersey

SS.

COUNTY OF Hudson

On this 31<sup>st</sup> day of October, 2011, before me, a Notary Public in and for the County and State aforesaid, appeared **Han Nguyen**, to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

Notary Public:

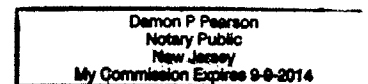
\_\_\_\_\_  
**Damon P Pearson**

WITNESS my hand and seal the same day and year last above given.

My Commission Expires:

9/9/2014

\* \* \* \* \*



INVENTOR 4

Attorney Docket No. 2010-1355

WITNESS my hand this \_\_\_\_\_ day of \_\_\_\_\_, 2011.

\_\_\_\_\_  
**Samir Saad**

Witnessed by: \_\_\_\_\_  
Signature

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

\_\_\_\_\_  
Printed Name of Witness

Witnessed by: \_\_\_\_\_  
Signature

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

\_\_\_\_\_  
Printed Name of Witness

SECTION BELOW IS FOR USE ONLY IF SIGNING IN THE PRESENCE OF A NOTARY

\_\_\_\_\_  
**Samir Saad**

Date: 11/1/2011

STATE OF New Jersey

ss.

COUNTY OF Monmouth

On this 1<sup>ST</sup> day of November, 2011, before me, a Notary Public in and for the County and State aforesaid, appeared **Samir Saad**, to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

Notary Public:

\_\_\_\_\_  
*Damon P Pearson*

WITNESS my hand and seal the same day and year last above given.

My Commission Expires:

9/9/2014  
\*\*\*\*\*

