

## PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT4414291

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ALEXANDRE GERBER	12/15/2010
OLIVER SPATSCHECK	12/15/2010
FREDERICK TRUE	03/30/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	AT&T INTELLECTUAL PROPERTY I, L.P.
<b>Street Address:</b>	675 WEST 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>	15595303
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(732)542-2283
<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>	732-542-2280
<b>Email:</b>	khunter@trbkclaw.com
<b>Correspondent Name:</b>	AT&T LEGAL DEPARTMENT - TRBK
<b>Address Line 1:</b>	ONE AT&T WAY
<b>Address Line 2:</b>	ROOM 2A-212
<b>Address Line 4:</b>	BEDMINSTER, NEW JERSEY 07921
<b>ATTORNEY DOCKET NUMBER:</b>	2010-0067CON
<b>NAME OF SUBMITTER:</b>	KIRSTEN HUNTER
<b>SIGNATURE:</b>	/Kirsten Hunter/
<b>DATE SIGNED:</b>	05/15/2017
<b>Total Attachments: 5</b>	
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## ASSIGNMENT AND AGREEMENT

For value received, we, Alexandre Gerber of Madison in the County of Morris and State of New Jersey, Oliver Spatscheck of Randolph in the County of Morris and State of New Jersey, and Frederick True of Bloomsbury in the County of Hunterdon and State of New Jersey hereby sell, assign and transfer to 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, U.S.A., and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to **METHOD AND APPARATUS FOR IMPROVING NON-UNIFORM MEMORY ACCESS**, described in an application for Letters Patent of the United States, executed by us of even date herewith, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and we also concurrently hereby sell, assign and transfer to AT&T Intellectual Property I, L.P. the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

We authorize AT&T Intellectual Property I, L.P. to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from me, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of AT&T Intellectual Property I, L.P. to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

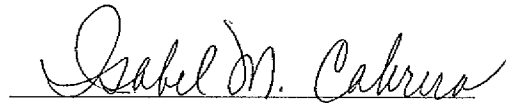
We request that any and all patents for said inventions be issued to AT&T Intellectual Property I, L.P. in the United States and in all countries foreign to the United States, or to such nominees as AT&T Intellectual Property I, L.P. may designate.

Date: 12/15/2010

  
ALEXANDRE GERBER

County of Morris )  
State of New Jersey )

On this 15 day of December, 2010, before me personally came ALEXANDRE GERBER, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

  
Notary Public

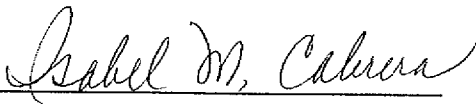
ISABEL M. CABRERA  
NOTARY PUBLIC OF NEW JERSEY  
I.D. # 2389780  
My Commission Expires 9/24/2014

Date: 12/19/2010

  
\_\_\_\_\_  
OLIVER SPATSCHECK

County of Morris )  
State of New Jersey )

On this 15 day of December, 2010, before me personally came OLIVER SPATSCHECK, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

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

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

### ASSIGNMENT AND AGREEMENT

For value received, we, Alexandre Gerber of Madison in the County of Morris and State of New Jersey, Oliver Spatscheck of Randolph in the County of Morris and State of New Jersey, and Frederick True of Bloomsbury in the County of Hunterdon and State of New Jersey hereby sell, assign and transfer to 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, U.S.A., and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to **METHOD AND APPARATUS FOR IMPROVING NON-UNIFORM MEMORY ACCESS**, described in an application for Letters Patent of the United States, filed December 15, 2010, and U.S. Patent Application Serial No. 12/969,520, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and we also concurrently hereby sell, assign and transfer to AT&T Intellectual Property I, L.P. the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

We authorize AT&T Intellectual Property I, L.P. to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from me, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of AT&T Intellectual Property I, L.P. to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

We request that any and all patents for said inventions be issued to AT&T Intellectual Property I, L.P. in the United States and in all countries foreign to the United States, or to such nominees as AT&T Intellectual Property I, L.P. may designate.

We agree that, when requested, we shall, without charge to AT&T Intellectual Property I, L.P. but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

Date:

3/30/11

County of  
State of

Hunterdon  
New Jersey

On this 30 day of March, 2011, before me personally came FREDERICK TRUE, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

FREDERICK TRUE

Jolanta Vetri  
Notary Public

JOLANTA VETRI  
NOTARY PUBLIC  
STATE OF NEW JERSEY  
MY COMMISSION EXPIRES AUG. 6, 2013