

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Kadangode K. Ramakrishnan</td> <td>07/27/2012</td> </tr> <tr> <td>Horacio Andres Lagar-Cavilla</td> <td>07/31/2012</td> </tr> <tr> <td>Jacobus Van der Merwe</td> <td>08/01/2012</td> </tr> </tbody> </table>		Name	Execution Date	Kadangode K. Ramakrishnan	07/27/2012	Horacio Andres Lagar-Cavilla	07/31/2012	Jacobus Van der Merwe	08/01/2012				
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RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>AT&amp;T Intellectual Property I, L.P.</td> </tr> <tr> <td>Street Address:</td> <td>675 W. Peachtree Street</td> </tr> <tr> <td>Internal Address:</td> <td>Suite 4000</td> </tr> <tr> <td>City:</td> <td>Atlanta</td> </tr> <tr> <td>State/Country:</td> <td>GEORGIA</td> </tr> <tr> <td>Postal Code:</td> <td>30375</td> </tr> </table>		Name:	AT&T Intellectual Property I, L.P.	Street Address:	675 W. Peachtree Street	Internal Address:	Suite 4000	City:	Atlanta	State/Country:	GEORGIA	Postal Code:	30375
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CORRESPONDENCE DATA													
<p>Fax Number: 9085321991          Phone: 9085321918          Email: <a href="mailto:docketing@hbhlawfirm.com">docketing@hbhlawfirm.com</a>  <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: AT&amp;T Legal Department - HBH Attn: Patent          Address Line 1: One AT&amp;T Way          Address Line 2: Room 2A-207          Address Line 4: Bedminster, NEW JERSEY 07921</p>													
ATTORNEY DOCKET NUMBER:	2011-0499/60027.5400US01												
NAME OF SUBMITTER:	Jodi L. Hartman												

OP \$40.00 13565494

Total Attachments: 5

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## ASSIGNMENT

Serial No:

Filed:

Title: PIPELINED DATA REPLICATION FOR DISASTER RECOVERY

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 assignor(s) or the Assignee 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. This assignment includes all rights associated with said application including, without limitation, all patent right(s) in any and all countries and all right(s) to claim priority to and/or from said application in any and all countries. No rights whatsoever are reserved to the undersigned assignor(s) but instead all rights are hereby transferred to the Assignee. This assignment is governed by the Law of the State of Illinois, United States of America.

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

The undersigned assignor(s) 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 assignor(s) warrants himself/herself 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 assignor(s) 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 assignor(s) 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 assignor(s) 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 assignor(s) 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

Kadangode K. Ramakrishnan

Date: July 27, 2012

STATE OF New Jersey  
COUNTY OF morris SS.

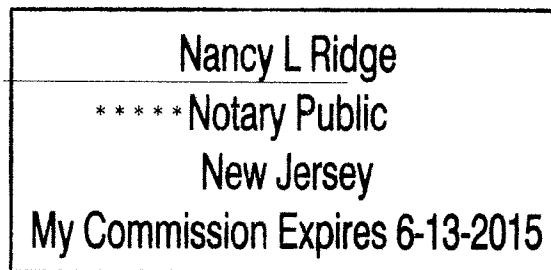
On this 27 day of July, 2012, before me, a Notary Public in and for the County and State aforesaid, appeared **Kadangode K. Ramakrishnan**, to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

Notary Public:

Nancy L. Ridge

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

My Commission Expires:



INVENTOR 2

Horacio Andres Lagar-Cavilla

Date: July 31<sup>st</sup> 2012

~~STATE OF~~ PROVINCE OF ONTARIO, CANADA  
ss.  
~~COUNTY OF~~ CITY OF TORONTO

On this 31<sup>st</sup> day of JULY, 2012, before me, a Notary Public in and for the County and State aforesaid, appeared Horacio Andres Lagar-Cavilla, ~~to me personally known~~ to be the same person whose name ~~is~~ on Eviden 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]

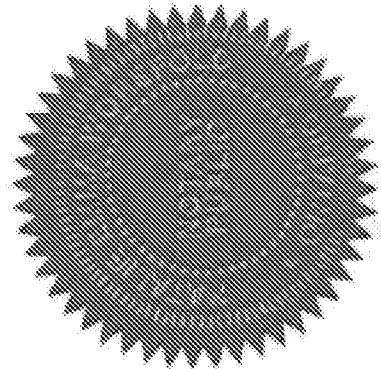
WITNESS my hand and seal the same day and year last above given.

My Commission Expires: UNLIMITED

\*\*\*\*\*

**Natalie Emma Worsfold**  
Barrister & Solicitor  
Notary Public For Ontario  
Unlimited Duration

Red Seal Notary Inc.  
25 Adelaide Street East, Suite 100,  
Toronto, Ontario, M5C 3A1  
Tel: (416) 922-7325



Attorney Docket No. 2011-0499

INVENTOR 3

Jacobus Van der Merwe  
Jacobus Van der Merwe

Date: Aug 1 2012STATE OF UTAHCOUNTY OF SALT LAKE ss.

On this 1 day of August, 2012, before me, a Notary Public in and for the County and State aforesaid, appeared Jacobus Van der Merwe, 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:

Erica Marie Adamson

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

My Commission Expires:

12/1/2014

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