

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ROBERT J. HALL	12/14/2009
RECEIVING PARTY DATA	
Name:	AT&T INTELLECTUAL PROPERTY I, L.P.
Street Address:	645 E. PLUM LANE
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State/Country:	NEVADA
Postal Code:	89502
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14875137
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ATTORNEY DOCKET NUMBER:	2009-0571CON/9400-502TSCT
NAME OF SUBMITTER:	MEREDITH DOWNING
SIGNATURE:	/mld/
DATE SIGNED:	10/05/2015
Total Attachments: 2	
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Docket No. 9400-502 (2009-0571)

ASSIGNMENT

WHEREAS I, **Robert J. Hall**, citizen of the United States of America, residing at 79 Beech Avenue, Berkeley Heights, New Jersey 07922; hereafter referred to as Assignor, have invented new and useful improvements in an invention entitled **METHODS, APPARATUS, AND COMPUTER PROGRAM PRODUCTS FOR QUANTUM SEARCHING FOR MULTIPLE SEARCH TARGETS**, which an application for a U.S. Patent was filed on 12/16/09 and assigned Application No. 12/639,557; 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, be it known that for and in consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration the receipt of which from Assignee is hereby acknowledged, we, as Assignor, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention and this non-provisional application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of the above provisional application (if any), as well as all rights to claim priority on the basis of this application, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY covenant that we have the full right to convey the interest assigned by this Assignment, and we have not executed and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that we will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

Docket No.: 9400-502 (2009-0571)
Inventors: Robert J. Hall
Title: METHODS, APPARATUS, AND COMPUTER PROGRAM PRODUCTS FOR QUANTUM SEARCHING FOR MULTIPLE SEARCH TARGETS

I hereby authorize and request Myers Bigel Sibley & Sajovec, P.A. to insert the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 14th day of December, 2009.

Robert J. Hall
Robert J. Hall

State of New Jersey)
County of Union)

On this 14 day of Dec., 2009, before me a Notary Public in and for the above County and State, personally appeared **Robert J. Hall**, personally known to me, and acknowledged the execution of the foregoing assignment as his free act and deed for the purpose herein set forth.

[Signature]
Notary Public

My Commission Expires: Oct 7, 2013

NINA PECCA
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires Oct. 7, 2013