

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>Sarat Puthenpura</td> <td>07/16/2012</td> </tr> <tr> <td>Sam Houston Parker</td> <td>07/25/2012</td> </tr> <tr> <td>Yuning Yang</td> <td>07/16/2012</td> </tr> <tr> <td>Wenjie Zhao</td> <td>07/24/2012</td> </tr> </tbody> </table>		Name	Execution Date	Sarat Puthenpura	07/16/2012	Sam Houston Parker	07/25/2012	Yuning Yang	07/16/2012	Wenjie Zhao	07/24/2012
Name	Execution Date										
Sarat Puthenpura	07/16/2012										
Sam Houston Parker	07/25/2012										
Yuning Yang	07/16/2012										
Wenjie Zhao	07/24/2012										
RECEIVING PARTY DATA											
Name:	AT&T INTELLECTUAL PROPERTY I, L.P.										
Street Address:	675 W. Peachtree Street, Suite 4000,										
City:	Atlanta										
State/Country:	GEORGIA										
Postal Code:	30375										
PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13557960</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13557960						
Property Type	Number										
Application Number:	13557960										
CORRESPONDENCE DATA											
Fax Number:	2166968731										
Phone:	216-696-8730										
Email:	epas@thepatentattorneys.com										
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>											
Correspondent Name:	AT&T Services, Inc.										
Address Line 1:	One AT&T Way										
Address Line 2:	Room 2A-207										
Address Line 4:	Bedminster, NEW JERSEY 07921										
ATTORNEY DOCKET NUMBER:	2011-2065 (ATTWP571US)										
NAME OF SUBMITTER:	Thomas Watson										

OP \$40.00 13557960

Total Attachments: 5

source=Assignment - Puthenpura, Parker, Yang, Zhao#page1.tif

source=Assignment - Puthenpura, Parker, Yang, Zhao#page2.tif

source=Assignment - Puthenpura, Parker, Yang, Zhao#page3.tif

source=Assignment - Puthenpura, Parker, Yang, Zhao#page4.tif

source=Assignment - Puthenpura, Parker, Yang, Zhao#page5.tif

2011-2065

ASSIGNMENT OF INVENTION
TO
AT&T INTELLECTUAL PROPERTY I, L.P.

WHEREAS, Sarat Puthenpura of Berkeley Heights, New Jersey; Sam Houston Parker of Cranbury, New Jersey; Yuning Yang of Livingston, New Jersey; and Wenjie Zhao of Princeton, New Jersey (hereinafter sometimes referred to as "said inventors"), have invented certain new and useful improvements in **CODE PLANNING FOR WIRELESS COMMUNICATIONS**, which invention (hereinafter sometimes referred to as "said invention") has been disclosed to and filed, under Docket No 2011-2065, in the patent files of AT&T INTELLECTUAL PROPERTY I, L.P., a partnership organized and existing under the laws of the State of Nevada, having a principal place of business at 675 W. Peachtree Street, Suite 4000, Atlanta, GA 30375.

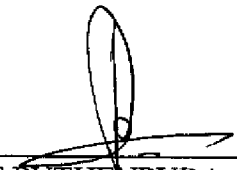
I hereby authorize and request Turocy & Watson, LLP, to insert here in parentheses (Application No. _____, filed _____) the filing date and application number of said application when known or to file this Assignment concurrently with the application.

NOW THEREFORE, it is agreed that, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, said inventors have sold, assigned and transferred and by these present do sell, assign and transfer unto AT&T INTELLECTUAL PROPERTY I, L.P. the entire right, title and interest in said invention in the United States of America and all foreign countries and in and to said U.S. patent application and all patent applications, divisions, substitutions, continuations and continuations-in-part thereof, and in all United States Letters Patents which may be granted thereon and all reissues and extensions thereof, and in all priority rights under the International Convention for the Protection of Industrial Property for every member country, and in all applications for patents (including related rights such as utility-model registrations, inventor's certificates, and the like) heretofore or hereafter filed for said invention in any foreign countries, and in all patents (including all extensions, renewals and reissues thereof) granted for said invention; said applications and patents to be held and enjoyed by the said AT&T INTELLECTUAL PROPERTY I, L.P. for its own use and for the use of its successors and assigns, to the full end of the term for which Letters Patent on same may be granted, as fully and entirely as the same would have been held by said inventors had this assignment and sale not been made.

FURTHER, said inventors hereby agree to sign all lawful papers necessary or helpful in obtaining patents on said invention or in filing any divisional, continuation, substitution, or reissue patent application or re-examination proceedings on said invention whether in the United States of America or in any foreign country.

2011-2065
ASSIGNMENT OF INVENTION
To
AT&T INTELLECTUAL PROPERTY I, L.P.

Signed:



SARAT PUTHENPURA

Date:

7/16/2012

CERTIFICATE OF ACKNOWLEDGMENT

State of NJ

County of MORRIS

On 7-16-2012 before me, CARMELA PATUTO Notary Public
Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared SARAT PUTHENPURA
Name(s) of Signer(s)

_ personally known to me - OR - _ proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

**CARMELA PATUTO
NOTARY PUBLIC STATE OF NJ
MY COMMISSION EXPIRES ON 08/22/2013**

Carmela Patuto
Signature of Notary Public

2011-2065
ASSIGNMENT OF INVENTION
To
AT&T INTELLECTUAL PROPERTY I, L.P.

Signed:

Date:



SAM HOUSTON PARKER

7/25/2012

CERTIFICATE OF ACKNOWLEDGMENT

State of NJ

County of Morris

On July 25, 2012 before me, Carmela Patuto,
Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared SAM HOUSTON PARKER
Name(s) of Signer(s)

__ personally known to me - OR - __ proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.



Signature of Notary Public

CARMELA PATUTO
NOTARY PUBLIC STATE OF NJ
COMMISSION EXPIRES ON 08/22/2013

2011-2065
ASSIGNMENT OF INVENTION
To
AT&T INTELLECTUAL PROPERTY I, L.P.

Signed:

Date:



07/16/2012

YUNING YANG

CERTIFICATE OF ACKNOWLEDGMENT

State of NJ

County of MORRIS

On 7-16-2012 before me, CARMELA PATUTO Notary Public
Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared YUNING YANG
Name(s) of Signer(s)

_ personally known to me - OR - _ proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.



Signature of Notary Public

MY COMMISSION EXPIRES ON 04/22/2013
NOTARY PUBLIC STATE OF NJ
CARMELA PATUTO

2011-2065
ASSIGNMENT OF INVENTION
To
AT&T INTELLECTUAL PROPERTY I, L.P.

Signed:

Date:

Wenjie Zhao

7/24/2012

WENJIE ZHAO

CERTIFICATE OF ACKNOWLEDGMENT

State of NJ

County of Morris

On 7/24/12 before me, CARMELA PATUTO,
Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared WENJIE ZHAO
Name(s) of Signer(s)

personally known to me - OR - proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Carmela Patuto

Signature of Notary Public

CARMELA PATUTO
NOTARY PUBLIC STATE OF NJ
MY COMMISSION EXPIRES ON 08/22/2013
Page 5 of 5