

PATENT ASSIGNMENT

Electronic Version v1.1
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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>Hui Luo</td> <td>01/29/2003</td> </tr> <tr> <td>Nelson Ray Sollenberger</td> <td>01/28/2003</td> </tr> <tr> <td>Jack Harriman Winters</td> <td>01/29/2003</td> </tr> </tbody> </table>		Name	Execution Date	Hui Luo	01/29/2003	Nelson Ray Sollenberger	01/28/2003	Jack Harriman Winters	01/29/2003		
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>AT&T Corp.</td> </tr> <tr> <td>Street Address:</td> <td>One AT&T Way</td> </tr> <tr> <td>City:</td> <td>Bedminster</td> </tr> <tr> <td>State/Country:</td> <td>NEW JERSEY</td> </tr> <tr> <td>Postal Code:</td> <td>07921</td> </tr> </table>		Name:	AT&T Corp.	Street Address:	One AT&T Way	City:	Bedminster	State/Country:	NEW JERSEY	Postal Code:	07921
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CORRESPONDENCE DATA											
<p>Fax Number: 5127957677 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 512-900-8500 Email: ppepitone@abel-ip.com Correspondent Name: Abel Law Group, LLP Address Line 1: 8911 N. Capital of Texas Hwy Address Line 2: Bldg 4, Suite 4200 Address Line 4: Austin, TEXAS 78759</p>											
ATTORNEY DOCKET NUMBER:	2000-0214CON4/037-0146-6										
NAME OF SUBMITTER:	Peggy S. Pepitone										
Signature:	/Peggy S. Pepitone/										

Date:

04/30/2013

Total Attachments: 4

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ASSIGNMENT AND AGREEMENT

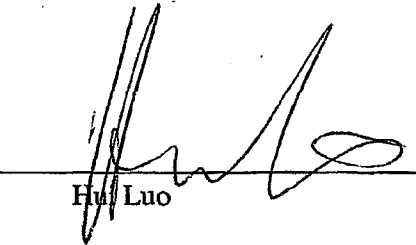
For value received, we, Hui Luo, of Marlboro in the County of Monmouth and State of New Jersey, Nelson Ray Sollenberger, of Farmingdale in the County of Monmouth and State of New Jersey, and Jack Harriman Winters, of Middletown in the County of Monmouth and State of New Jersey, hereby sell, assign and transfer to AT&T Corp., a corporation of the State of New York, having an office at 32 Avenue of the Americas, New York, New York 10013-2412, 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 **Rate-Adaptive Multiple Input/Multiple Output (MIMO) Systems** 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 Corp. 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 Corp. 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 us, 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 Corp. 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 Corp. in the United States and in all countries foreign to the United States, or to such nominees as AT&T Corp. may designate.

We agree that, when requested, we shall, without charge to AT&T Corp. 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.


Hui Luo

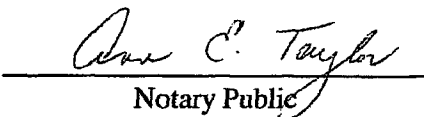
Date: 1/29/03

United States of America)

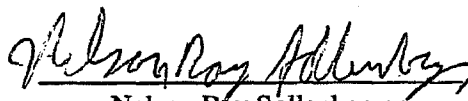
State of New Jersey)

County of Monmouth)

On this 29th day of January, 2003, before me personally came Hui Luo, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.


Notary Public

ANNE TAYLOR
NOTARY PUBLIC OF NEW JERSEY, USA
REGISTERED IN OCEAN COUNTY
MY COMMISSION EXPIRES AUGUST 7, 2007


Nelson Ray Sollenberger

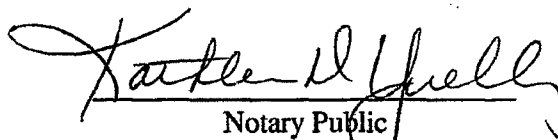
Date: 1/28/03

United States of America)

State of NEW JERSEY)

County of Monmouth)

On this 28 day of January, 2003, before me personally came Nelson Ray Sollenberger, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.


Notary Public

KATHLEEN D. YUELLING
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires Jan. 21, 2005

Jack Harriman Winters
Jack Harriman Winters

Date: 1/29/03

United States of America)

State of New Jersey)

County of Monmouth)

On this 29th day of January, 2003, before me personally came Jack Harriman Winters, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Vinny Kurién
Notary Public

VINCY KURIEN
NOTARY PUBLIC STATE OF NEW JERSEY
NO. 2169026
COMMISSION EXPIRES AUGUST 20, 2004

AT&T Corp.
P.O. Box 4110
Middletown, New Jersey 07748-4110