PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT3080091

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
AT&T PROPERTIES, LLC	09/30/2014

RECEIVING PARTY DATA

Name:	AT&T INTELLECTUAL PROPERTY II, L.P.
Street Address:	675 WEST PEACHTREE STREET
City:	ATLANTA
State/Country:	GEORGIA
Postal Code:	30308

PROPERTY NUMBERS Total: 4

Property Type	Number
Patent Number:	7012966
Patent Number:	7127001
Patent Number:	7443919
Patent Number:	7756212

CORRESPONDENCE DATA

Fax Number: (732)542-2283

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.

Phone: 7325422280
Email: khunter@walltong.com
Correspondent Name: AT&T LEGAL DEPARTMENT - WT
Address Line 1: ONE AT&T WAY
Address Line 2: ROOM 2A-212
Address Line 4: BEDMINSTER, NEW JERSEY 07921

ATTORNEY DOCKET NUMBER:	1999-0759A FAM. PROP_IPII
NAME OF SUBMITTER:	KIN-WAH TONG
SIGNATURE:	/Kin-Wah Tong/
DATE SIGNED:	10/24/2014

Total Attachments: 3
source=ATT PROPERTIES LLC_ATT INTELLECTUAL PROPERTY II LP#page1.tif
source=ATT PROPERTIES LLC_ATT INTELLECTUAL PROPERTY II LP#page2.tif

source=ATT PROPERTIES LLC_ATT INTELLECTUAL PROPERTY II LP#page3.tif

RECORDABLE PATENT ASSIGNMENT

This Recordable Patent Assignment is between AT&T Properties, LLC ("AT&T Properties"), a Nevada limited liability company, and AT&T Intellectual Property II, L.P. ("AT&T IP II"), a Nevada limited partnership.

Effective on June 30, 2008, for good and adequate consideration, the receipt and sufficiency of which has been and hereby is acknowledged, AT&T Properties hereby assigns, transfers, and conveys and/or has assigned, transferred, and conveyed to AT&T IP II all of AT&T Properties' right, title and interest in and to the patents and pending patent applications identified on Attachment A (the "Patents"), with respect to which and to the extent to which AT&T Properties has or previously had the right to so assign, transfer and convey such rights, including all claims for past infringement, and all divisions, reexaminations, reissues, substitutions, continuations, continuations-in-part and extensions thereof, including the right to file applications and obtain patents, utility models, industrial models and designs for said inventions in its own name throughout the world including all rights of priority, all rights to public cautionary notices reserving ownership of said inventions and all rights to claim and register said inventions in appropriate registries. AT&T Properties has further agreed to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such rights, title and interest in AT&T IP II, its successors, assigns and legal representatives.

IN WITNESS WHEREOF, AT&T Properties has caused this Recordable Patent Assignment to be executed by its duly authorized representative.

AT&T PROPERTIES, LLC

By: Jeanette Napp
Jeanette Napp
Assistant Secretary

STATE OF GA)
) ss:
COUNTY OF Coweta)

Before me personally appeared the person described in and who executed the foregoing instrument, and s/he acknowledged to me that s/he executed the same for the purposes therein stated this 30th day of September, 2014.

FRANCINE MCKEE
COWETA COUNTY
Commission Expires
Mar 19 2018

Francine McKee
Notary Public

SEAL
My Commission Expires: _____

ATTACHMENT A

Docket Number	Country	Application Number	Patent Number	Application Date	Title
1999-0759	USA	11/508480	7305051	08/22/2006	Optimum Training Sequences For Wireless Systems
1999-0759	USA	11/931922	7583761	10/31/2007	Optimum Training Sequences For Wireless Systems
1999-0759	USA	12/550122	8472553	08/28/2009	Channel Estimation For Wireless Systems Without Matrix Inversion
1999-0759	USA	09/862755	7103115	05/21/2001	Optimum Training Sequences For Wireless Systems
1999-0759	USA	14/258849		04/22/2014	Channel Estimation For Wireless Systems Without Matrix Inversion
1999-0759	USA	13/925306	8724725	06/24/2013	Channel Estimation For Wireless Systems Without Matrix Inversion
1999-0759A	USA	12/259231	7756212	10/27/2008	Channel Estimation For Wireless Systems With Multiple Transmit Antennas
1999-0759A	USA	11/545257	7443919	10/10/2006	Channel Estimation For Wireless Systems With Multiple Transmit Antennas
1999-0759A	USA	11/240899	7127001	09/30/2005	Channel Estimation For Wireless Systems With Multiple Transmit Antennas
1999-0759A	USA	09/861811	7012966	05/21/2001	Channel Estimation For Wireless Systems With Multiple Transmit Antennas
1999-0759A	JAPA	2006-144263		05/24/2006	Channel Estimation For Wireless Systems With Multiple Transmit Antennas
1999-0759A	JAPA	2002-145656	4307790	05/21/2002	Channel Estimation For Wireless Systems With Multiple Transmit Antennas

Docket Number	Country	Application Number	Patent Number	Application Date	Title
1999-0759A	EPC	2253493.7		05/17/2002	Channel Estimation For Wireless Systems With Multiple Transmit Antennas
1999-0759A	CANA	2384231	2384231	04/30/2002	Channel Estimation For Wireless Systems With Multiple Transmit Antennas
2000-0214	USA	11/386891	7463867	03/22/2006	Rate-Adaptive Multiple Input/Multiple Output (MIMO) Systems
2000-0214	USA	12/316068	7792500	12/09/2008	Rate-Adaptive Multiple Input/Multiple Output (MIMO) Systems
2000-0214	USA	12/832664	7929925	07/08/2010	Rate-Adaptive Multiple Input/Multiple Output (MIMO) Wireless System
2000-0214	USA	13/872911	8761686	04/29/2013	Rate-Adaptive Multiple Input/Multiple Output (MIMO) Systems