

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
HYUN OK LEE	12/05/2011
VIBHAV KAPNADAK	12/05/2011
XIAOJUN TANG	12/05/2011
ERNEST TSUI	12/05/2011
GUSTAVO ENRIQUE ULFFE WHU	12/05/2011
RECEIVING PARTY DATA	
Name:	AT&T INTELLECTUAL PROPERTY I, LP
Street Address:	675 W. PEACHTREE STREET, SUITE 4000
City:	ATLANTA
State/Country:	GEORGIA
Postal Code:	30375
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13312631
CORRESPONDENCE DATA	
Fax Number:	(216)696-8731
Phone:	404-927-2780
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<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 Legal Department - T&W Attn: Paten
Address Line 1:	Room 2A-207
Address Line 2:	One AT&T Way
Address Line 4:	Bedminster, NEW JERSEY 07921
ATTORNEY DOCKET NUMBER:	ATTWP551US ASSIGN1
NAME OF SUBMITTER:	Keith E. Drabek

OP \$40.00 13312631

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PATENT
REEL: 027344 FRAME: 0160

Total Attachments: 6

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2011-0744
ASSIGNMENT OF INVENTION
TO
AT&T INTELLECTUAL PROPERTY I, LP

WHEREAS, Hyunok Lee of Palo Alto, CA, Vibhav Kapnadak of San Ramon, CA, Fereidoun Tafreshi of Bellvue, WA, Xiaojun Tang of Sunnyvale, CA, Ernest Tsui of Cupertino, CA, and Gustavo Enrique Ulffe Whu of Dublin, CA, (hereinafter sometimes referred to as "said inventors"), have invented certain new and useful improvements in CLUSTER-BASED DERIVATION OF ANTENNA TILTS IN A WIRELESS NETWORK, which invention (hereinafter sometimes referred to as "said invention") has been disclosed to and filed, under Docket No. 2011-0744, in the patent files of AT&T Intellectual Property I, LP, a Delaware Corporation having a principal place of business at 675 W. Peachtree Street, Suite 4000, Atlanta, Georgia 30375.

I hereby authorize and request Turocy & Watson, LLP, to insert here in parentheses (Application No.13/312,631, filed December 6, 2011) 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, LP, 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, LP, 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 have 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.

2011-0744
ASSIGNMENT OF INVENTION
To
AT&T INTELLECTUAL PROPERTY I, LP

Signed:

Date:

Hyunok Lee
HYUN OK LEE

12/05/2011

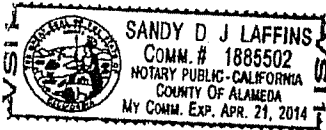
CERTIFICATE OF ACKNOWLEDGMENT

State of CALIFORNIA

County of ALAMEDA

On Dec. 5, 2011 before me, Sandy D J Laffins, Notary Public
Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared HYUN OK LEE
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.

Sandy D J Laffins
Signature of Notary Public

2011-0744
ASSIGNMENT OF INVENTION
To
AT&T INTELLECTUAL PROPERTY I, LP

Signed:

Date:

Vibhav Kapnadak
VIBHAV KAPNADAK

12/05/2011

CERTIFICATE OF ACKNOWLEDGMENT

State of CALIFORNIA

County of ALAMEDA

On Dec 5, 2011 before me Sandy D J Laffins, Notary Public
Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared VIBHAV KAPNADAK
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.

Sandy D J Laffins
Signature of Notary Public

2011-0744
ASSIGNMENT OF INVENTION
To
AT&T INTELLECTUAL PROPERTY I, LP

Signed:

Date:

XIAOJUN TANG
XIAOJUN TANG

12 / 05 / 2011

CERTIFICATE OF ACKNOWLEDGMENT

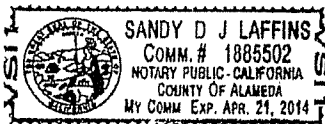
State of CALIFORNIA

County of ALAMEDA

On Dec - 5 - 2011 before me Sandy D J Laffins, Notary Public,
Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared XIAOJUN TANG
Name(s) of Signer(s)

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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.

Sandy D J Laffins
Signature of Notary Public

2011-0744
ASSIGNMENT OF INVENTION
To
AT&T INTELLECTUAL PROPERTY I, LP

Signed:

Date:



ERNEST TSUI

5 Dec. 2011

CERTIFICATE OF ACKNOWLEDGMENT

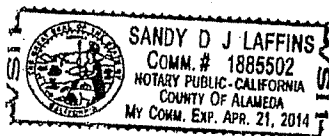
State of CALIFORNIA

County of ALAMEDA

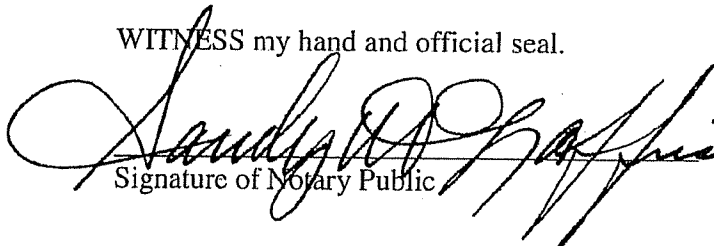
On Dec-5-2011 before me, SANDY D J LAFFINS, NOTARY PUBLIC
Name and Title of Officer (e.g., "Jane Doc, Notary Public")

personally appeared ERNEST TSUI
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

2011-0744
ASSIGNMENT OF INVENTION
To
AT&T INTELLECTUAL PROPERTY I, LP

Signed:

Date:


GUSTAVO ENRIQUE ULFFE WHU

DECEMBER 5TH, 2011

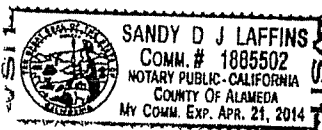
CERTIFICATE OF ACKNOWLEDGMENT

State of CALIFORNIA

County of ALAMEDA

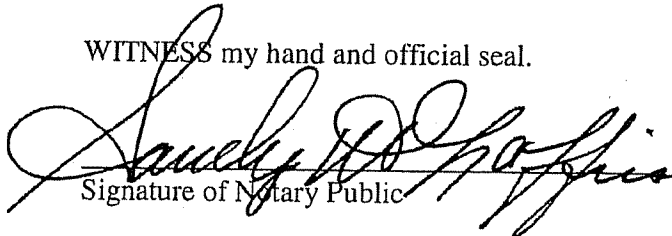
On Dec. 5. 2011 before me Sandy D. Laffins, Notary Public
Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared GUSTAVO ENRIQUE ULFFE WHU
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