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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SUBHABRATA SEN	10/02/2012
OLIVER SPATSCHECK	10/14/2012
ALEXANDRE GERBER	09/04/2012
ZHUOQING MORLEY MAO	09/10/2012
FENG QIAN	09/12/2012
ZHAOGUANG WANG	09/30/2012

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

Property Type	Number
Application Number:	15996416

CORRESPONDENCE DATA

Fax Number: (216)696-8731

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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AT&T LEGAL DEPARTMENT - T&W ATTN: PATEN **Correspondent Name:**

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ATTORNEY DOCKET NUMBER: 2011-0635CON2/ATTWP536USD		
NAME OF SUBMITTER:	THOMAS WATSON	
SIGNATURE:	/Thomas Watson/	
DATE SIGNED:	06/01/2018	

Total Attachments: 7 source=2011-0635Con2_Assignment#page1.tif source=2011-0635Con2_Assignment#page2.tif source=2011-0635Con2_Assignment#page3.tif source=2011-0635Con2_Assignment#page4.tif source=2011-0635Con2_Assignment#page5.tif source=2011-0635Con2_Assignment#page6.tif source=2011-0635Con2_Assignment#page7.tif

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

WHEREAS, Subhabrata Sen of New Providence, New Jersey; Oliver Spatscheck of Randolph, New Jersey; Alexandre Gerber of Madison, New Jersey; Zhuoqing Morley Mao of Lithonia, Michigan; Feng Qian of Lithonia, Michigan; Zhaoguang Wang of Lithonia, Michigan (hereinafter sometimes referred to as "said inventors"), have invented certain new and useful improvements in **CONTROLLING TRAFFIC TRANSMISSIONS TO MANAGE CELLULAR RADIO RESOURCE UTILIZATION** which invention (hereinafter sometimes referred to as "said invention") has been disclosed to and filed, under Docket No. 2011-0635, 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, Georgia 30375.

I hereby authorize and request Turocy & Watson, LLP, to insert here in parentheses (Application No. <u>13/528,423</u>, filed <u>06-20-2012</u>) 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.

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$\begin{tabular}{ll} Assignment of Invention \\ To \\ AT\&T Intellectual Property I, L.P. \\ \end{tabular}$

Signed:	Date	:
Subhabrata Sen	/	10/02/2012
SUBHABRATA SEN		
<u>CERTIFICATE</u>	E OF ACKNOW	/LEDGMENT
State of New Jersey		
County of Movin		
On October 2, 2012 before me,	Nancy of C	Chidges Notary Public Officer (e.g., "Jane Doe, Notary Public")
personally appeared SUBHABRATA S Name(s) of Signer(s) Nancy L Richarty Pub	persona me on the base person whose instrument ar executed the that by his sig or the entity of executed the WITNESS m	y hand and official seal.
New Jerse My Commission Expire		New Jersey
	3 0-13-2015	Mancy L Ridge Motary Public
	Page 2 of 7	The I

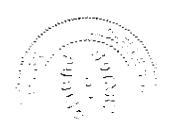
$\begin{tabular}{l} Assignment of Invention\\ To\\ AT\&T\ Intellectual\ Property\ I,\ L.P. \end{tabular}$

Signed:	Date:
OLIVER SPATSCHECK	10/14/12
CERTIFICATE C	OF ACKNOWLEDGMENT
State of New Jersey	
County of Mount	
	Mancy L. Ridge, Notary Public, me and Thile of Officer (e.g.) "Jane Doe, Notary Public")
personally appeared <u>OLIVER SPATSCHI</u> Name(s) of Signer(s)	ECK
	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.
	Many L. Nancyll Ridge
	Signature of Notary Public
	New Jersey
	My Commission Expires 6-13-2015

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Assignment of Invention To AT&T Intellectual Property I, L.P.

Signed:	Date:
	03/04/2012
ALEXANDRE GERBER	
	RTIFICATE OF ACKNOWLEDGMENT
State of New Jek	Sey
County of	
On 4 3/8 pt. 200	2 before me, Michele S /2//cvere. Name and Title of Officer (e.g., "Jane Doe, Notary Public")
personally appeared <u>ALEX</u> Name(s	ANDRE GERBER 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

MICHELLE S TOLLIVER Notary Public State of New Jersey My Commission Expires Sep 21, 2016

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

Signed:	Lange	Date: $9/10/2012$
ZHUOQIN	G MORLEY MAO	
	<u>CERTIFICA</u>	TE OF ACKNOWLEDGMENT
State of	Midrigan	
County of		
On	9/10/2012 before	ne, Name and Title of Officer (e.g., "Jane Doe, Notary Public")
personally a	appeared ZHUOOING M Name(s) of Signer	
		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
Witness	2	
SZ.	lyX;	
Yu	i UX 1 A	Page 5 of 7

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

Signed:	Date:
FENG QIAN	09/12/2012
CERTIFICATE OF A	CKNOWLEDGMENT
State of New-Jersey	
County of Ynous	
On September 12, 2012 before me, Name and	rcy L. Rudge Notary Public Title of Officer (e.g., Vane Doe, Notary Public")
personally appeared FENG QIAN 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

Nancy L Ridge Notary Public

New Jersey

Pake My Commission Expires 6-13-2015

Assignment of Invention To AT&T Intellectual Property I, L.P.

Date: 09 /30/2012 ZHAOGUANG WANG CERTIFICATE OF ACKNOWLEDGMENT State of County of On before me, Name and Title of Officer (e.g., "Jane Doe, Notary Public") personally appeared ZHAOGUANG WANG Name(s) of Signer(s) Wythess: ____ personally known to me - OR - ____ proved MONG GAO 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, Tianhai Xu executed the instrument. WITNESS my hand and official seal. Signature of Notary Public

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PATENT REEL: 045970 FRAME: 0062

RECORDED: 06/01/2018