PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CAGATAY BUYUKKOC	06/04/2012
SHYAM P. PAREKH	06/04/2012
ARVIND RAMACHANDRAN RAGHAVAN	06/07/2012
MOSTAFA TOFIGHBAKHSH	05/31/2012

RECEIVING PARTY DATA

Name:	AT&T INTELLECTUAL PROPERTY I, L.P.
Street Address:	675 W. PEACHTREE ST.
Internal Address:	SUITE 400
City:	ATLANTA
State/Country:	GEORGIA
Postal Code:	30375

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15212536

CORRESPONDENCE DATA

Fax Number: (216)696-8731

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: 404-927-2780

Email: epas@thepatentattorneys.com

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

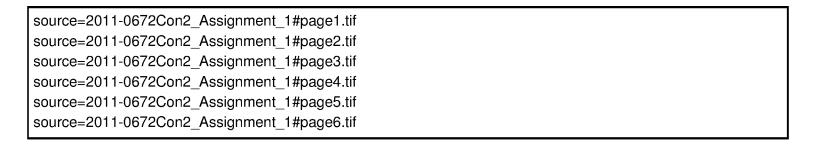
Address Line 1: ROOM 2A-207
Address Line 2: ONE AT&T WAY

Address Line 4: BEDMINSTER, NEW JERSEY 07921

ATTORNEY DOCKET NUMBER:	2011-0672CON2/ATTWP561USC
NAME OF SUBMITTER:	THOMAS E. WATSON
SIGNATURE:	/Thomas E. Watson/
DATE SIGNED:	07/18/2016
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Total Attachments: 6

PATENT REEL: 039177 FRAME: 0285



PATENT REEL: 039177 FRAME: 0286

2011-0672

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

WHEREAS, Cagatay Buyukkoc of Holmdel, New Jersey, Shyam P. Parekh of Orinda, California, Arvind Ramachandran Raghavan of Austin, Texas and Mostafa Tofighbakhsh of Cupertino, California (hereinafter sometimes referred to as "said inventors"), have invented certain new and useful improvements in **NETWORK CONTROL OF APPLICATIONS**<u>USING APPLICATION STATES</u>, which invention (hereinafter sometimes referred to as "said invention") has been disclosed to and filed, under Docket No. <u>2011-0672</u>, in the patent files of AT&T INTELLECTUAL PROPERTY I, LP., a partnership organized and existing under the laws of the State of Georgia, having a principal place of business at 675 W. Peachtree St., Suite 400, Atlanta, GA, 30375.

I hereby authorize and request Turocy & Watson, LLP, to insert here in parentheses (Application No. 13/492,434 , filed 06/08/2012) 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 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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Signed:	Date:
- EM	614/12
CAGATAY BUYUKKOC	•
CERTIFICATE O	F ACKNOWLEDGMENT
State of New Jersey	
County of Monmouth	•
	Damen P. Pearson, Notary Public me and Title of Officer (e.g., "Jane Doe, Notary Public")
personally appeared <u>CAGATAY BUYUKKOO</u> 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 Demon P Pearson. Notary Public New Johnson New Jo

Page 2 of 5

Signed:	Date:
Shyam P. Bares	leh 6-4-2012
CERTI	FICATE OF ACKNOWLEDGMENT
State of	
County of	
On be	efore me, Name and Title of Officer (e.g., "Jane Doe, Notary Public")
personally appeared <u>SHYAM</u> Name(s) of	P. PAREKH
	_ 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.
	SEE ATTACHED ON ACK. Signature of Notary Public

Page 3 of 5

CERTIFICATE OF ACKNOWLEDGMENT California All-Purpose Acknowledgment

State of California County of Contra Costa

and another than the second of the second section and the second

On JUNE 4, 2012 before me, MICH	Name of Officer
personally appeared SHYAM P. PARE Name of Signer(s)	TKH
who proved to me on the basis of satisfactory e is/are subscribed to the within instrument at executed the same in his/her/their authorize signature(s) on the instrument the person(s), person(s) acted, executed the instrument.	nd acknowledged to me that he/she/they and that by his/her/their
I certify under PENALTY OF PERJURY unde the foregoing paragraph is true and correct.	
WITNESS my hand and official seal.	MICHELE J. LEONG Commission # 1839526 Notary Public - California Contra Costa County My Comm. Expires Mar 6, 2013 Place Notary Seal Above
Signature of Notary Public	Place Notary Seal Above
Description of Attached Document	·
Fitle or Type of Document: 2011-0672. ASSIG	NMENT OF INVENTION TO ATT INTERECTUA
Document Date: VUNE 4, 2012	Number of Pages: PROPERA
igners(s) other than named above:	ž.

PATENT REEL: 039177 FRAME: 0290

Signed:	Date:
ARVIND RAMACHANDRAN RAGHAVAN	07 JUNE 2012
CERTIFICATE OF A	CKNOWLEDGMENT
State of <u>Jexas</u>	
County of 1 Cavis	
On Jne 7th before me, Ame at	R. Norman, Notary Public, and Title of Officer (e.g., "Jane Doe, Notary Public")
Name and Title of Officer (e.g., "Jane Doe, Notary Public") personally appeared ARVIND RAMACHANDRAN RAGHAVAN 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. NORMALIANTESS my hand and official seal. Alaman Alaman Signature of Notary Public	

Page 4 of 5

Signed:	Date:
Mostafa TofighBAKHSH	5-31-2012
<u>CERTIFICATE</u> (OF ACKNOWLEDGMENT
State of California	
County of Santa Class	
On May 31 St 2012 before me, No	Jayandi M. Patel- Notary Public, ame and Title of Officer (e.g., "Jane Doe, Notary Public")
personally appeared MOSTAFA TOFIG 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.
JAYANTI M. PATEL. Commission # 1913989 Notary Public - California Santa Clara County My Comm. Expires Dec 18, 2014	WITNESS my hand and official seal. Signature of Notary Public

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PATENT REEL: 039177 FRAME: 0292

RECORDED: 07/18/2016