PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2952077

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
JOHN T CHAPMAN	07/18/2014
SANGEETA RAMAKRISHNAN	06/30/2014
XIAOQING ZHU	07/07/2014

RECEIVING PARTY DATA

Name:	CISCO TECHNOLOGY, INC.	
Street Address:	s: 170 WEST TASMAN DRIVE	
City:	SAN JOSE	
State/Country:	state/Country: CALIFORNIA	
Postal Code: 95134-1706		

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14339601

CORRESPONDENCE DATA

Fax Number:

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: 949.336.1454
Email: 949.336.1454

Correspondent Name: FERNANDO HALE & CHANG LLP
Address Line 1: 4199 CAMPUS DR., SUITE 550
Address Line 4: IRVINE, CALIFORNIA 92612

ATTORNEY DOCKET NUMBER:	24726-50005US	
NAME OF SUBMITTER:	RONALD S. FERNANDO	
SIGNATURE:	/Ronald S. Fernando/	
DATE SIGNED:	07/24/2014	

Total Attachments: 3

source=CPOL991735-Assignment-24726-50005US-Chapman#page1.tif source=CPOL991735-Assignment-24726-50005US-Sangeeta-signed#page1.tif source=CPOL991735-Assignment-24726-50005US-Zhu-signed#page1.tif

PATENT 502905480 REEL: 033382 FRAME: 0080

ASSIGNMENT

WHEREAS we, Sangeeta Ramakrishnan residing in Saratoga CA, and Xlaoqing Zhu residing in Austin TX, and John T. Chapman residing in Laguna Niguel CA, (together the "ASSIGNORS") are the inventors of the invention in Quality of Experience Based Network Resource Management, described in an application for a Patent of the United States

which is executed on even date herewith which is identified by Fernando Hale & Chang LLP docket no. 24726-50005US			
which was filed on, Application No			
and WHEREAS, CISCO TECHNOLOGY, INC. ("ASSIGNEE"), a corporation, having a place of business at 170 West Tasman Drive, San Jose, California 95134, is desirous of obtaining our entire right, title and interest in, to an under said invention and said application:			
NOW, THEREFORE, let it be known that for and in consideration of the sum of One Dollar (\$1.00) to paid, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign transfer and set over, unto said ASSIGNEE, its successors, legal representatives and assigns, our entire right, tit and interest in, to and under said invention, and said United States application and all divisions, renewals are continuations thereof, and any substitute applications therefore, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; said United States provisional patent application(s), if an on which said United States application claims priority; and all applications for intellectual property protection including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such application and the right to claim for the same the priority rights derived from said United States application and said United States provisional patent application(s), if any, under the Patent Laws of the United States, the Internation Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of intellectual property protection including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for sainvention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;			
AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of intellectual property protection on applications as aforesaid, to issue the same to said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.			
AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned and that we have not executed, and will not execute, any agreement in conflict herewith.			
AND WE HEREBY further covenant and agree that we will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.			
IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.			
Xiaoqing Zhu Date:			
Date:			
Sangeeta Ramakrishnan			

Page 1 of 1

PATENT REEL: 033382 FRAME: 0081

ASSIGNMENT

WHEREAS we, **Sangeeta Ramakrishnan** residing in Saratoga CA, and **Xiaoqing Zhu** residing in Austin TX, and **John T. Chapman** residing in Laguna Niguel CA, (together the "ASSIGNORS") are the inventors of the invention in **Quality of Experience Based Network Resource Management**, described in an application for a Patent of the United States

\boxtimes	which is executed on even date her	rewith		
\boxtimes	which is identified by Fernando Hal	le & Chang LLP docket no	o. 24726-50005US	
	which was filed on			
Ta	d WHEREAS, CISCO TECHNOLOG' sman Drive, San Jose, California der said invention and said applicatio	95134, is desirous of ob-	corporation, having a platical plating our entire right,	ace of business at 170 Wes title and interest in, to and
sa tra an co gra on inc sa an Sta co inc	NOW, THEREFORE, let it be did, and other good and valuable consid ASSIGNORS, have sold, assigner and set over, unto said ASSIG dinterest in, to and under said inventinuations thereof, and any substitue anted thereon and all reissues and e which said United States applicated dinvention in any country or countried the right to claim for the same the ates provisional patent application (sinvention for the Protection of Industruntry in which any such application is duding, without limitation, patents, utilention in any country or countries for	sideration, the receipt and ed, transferred and set on ANEE, its successors, leg- vention, and said United the applications therefore, extensions thereof; said United ion claims priority; and tions for patents, utility mandle es foreign to the United Set e priority rights derived for is), if any, under the Parial Property, or any other silled, as may be applications in illity models, inventors' ce	d sufficiency of which are ver, and by these present ver, and by these present ver, and and are sufficient and and all Patents of the United States provisional all applications for interestates, together with the rorm said United States and designs which international agreement international agreement able; and all forms of intertificates and designs who were the very sufficient	e hereby acknowledged, we ents do hereby sell, assign assigns, our entire right, title all divisions, renewals and Jnited States which may be patent application(s), if any llectual property protection of may hereafter be filed for right to file such applications application and said United States, the International or the domestic laws of the ellectual property protection sich may be granted for said
oth	AND WE HEREBY authorize ates, and any Official of any country ner evidence or forms of intellectual SIGNEE, its successors, legal repres	or countries foreign to the property protection on a	e United States, whose pplications as aforesaid	duty it is to issue patents or , to issue the same to said
an	AND WE HEREBY covenant a d that we have not executed, and will	and agree that we have ful not execute, any agreem	all right to convey the enternation in conflict herewith.	ire interest herein assigned
pro oa	AND WE HEREBY further coveral representatives and assigns, an acceeding, sign all lawful papers, executes, and generally do everything possobtain and enforce proper protection	ny facts known to me r oute all divisional, continui sible to aid said ASSIGNE	especting said inventiong, reissue and foreign and foreign and foreign and its successors, legal its successors, legal its successors.	n, and testify in any lega ipplications, make all rightfu
res	IN TESTIMONY WHEREOF, spective signatures.	We hereunto set our ha	ands and seals the day	and year set opposite our
			Date:	
Xia	oqing Zhu			
	0			
	1000		Date:	06/30/2014
Sa	ngeeta Ramakrishnan	······································	Date:	

Page 1 of 1

John T. Chapman

ASSIGNMENT

WHEREAS we, Sangeeta Ramakrishnan residing in Saratoga CA, and Xiaoqing Zhu residing in Austin TX, and John T. Chapman residing in Laguna Niguei CA, (together the "ASSIGNORS") are the inventors of the invention in Quality of Experience Based Network Resource Management, described in an application for a Patent of the United States

\boxtimes	which is executed on	even date herewith
	which is identified by i	Fernando Hale & Chang LLP docket no. 24726-50005US
	which was filed on	. Application No.

and WHEREAS, CISCO TECHNOLOGY, INC. ("ASSIGNEE"), a corporation, having a place of business at 170 West Tasman Drive, San Jose, California 95134, is desirous of obtaining our entire right, title and interest in, to and under said invention and said application:

NOW, THEREFORE, let it be known that for and in consideration of the sum of One Dollar (\$1.00) to us paid, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we, said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under said invention, and said United States application and all divisions, renewals and continuations thereof, and any substitute applications therefore, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; said United States provisional patent application(s), if any, on which said United States application claims priority; and all applications for intellectual property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application and said United States provisional patent application(s), if any, under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of intellectual property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof:

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of intellectual property protection on applications as aforesaid, to issue the same to said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

	da.	Date: July 7, 2010
Xiaoqing Zhu		S. A
Sangeeta Ramakrishnan		Date:
John T. Chapman		Date:

Page 1 of 1

PATENT REEL: 033382 FRAME: 0083