PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
VEENA RAMAMOORTHY	02/03/2015
SUDARSAN KANNAN	02/03/2015

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14614044

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	0111244.00330US1
NAME OF SUBMITTER:	MEGAN L. STEMBRIDGE
SIGNATURE:	/Megan L. Stembridge/
DATE SIGNED:	02/04/2015

Total Attachments: 4

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> **PATENT** 503165798

REEL: 034889 FRAME: 0183

ASSIGNMENT

WHEREAS, the undersigned, to wit:

Veena RAMAMOORTHY residing at Flat 319, SLS Serenity, Opposite J.P. Morgan, Kadubisnahalli, Marthahalli, Bangalore-560103, INDIA;

Sudarsan KANNAN residing at B-101 Adarsh Rhythm, Bannerghatta Road, Panduranga Nagar, Behind Fortis Hospitals, Bangalore-560076, INDIA

(hereinafter collectively ASSIGNORS), have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled:

"TECHNIQUES FOR ALLOCATING RESOURCES FOR COMMUNICATION IN A COMMUNICATION NETWORK"

(a)	x which is being filed here	ewith in the United States Patent and Trademark Office;
(b)	which was filed as U.S. Patent Application No.	
	on	•

AND WHEREAS, Cisco Technology, Inc.(hereinafter ASSIGNEE), a corporation organized and existing under the laws of the Commonwealth/State of United States of America, and having its principal place of business at 170 West Tasman Drive, San Jose, California 95134-1706, is desirous of acquiring the entire right, title, and interest in and to said invention and any and all patents that may be obtained therefor, and in and to said application and any and all patents that may issue therefrom;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNORS do hereby sell, assign, transfer, and set over unto said ASSIGNEE, its successors, assigns, and legal representatives, all right, title, and interest in and to said invention throughout the world, and any and all patents of the United States and foreign countries that may be obtained therefor, including the right to sue for past infringement and obtain past damages, and in and to said application, including any and all continuations, continuations-in-part, divisionals, reissues, re-examinations, substitutions, and extensions thereof, and any and all patents of the United States and foreign countries that may issue therefrom, such right, title, and interest including the right to file applications and obtain patents, utility models, industrial models, and designs for said invention in the name of said ASSIGNEE, its successors, assigns, and legal representatives, throughout the world, including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention, and all rights to register said invention in appropriate registries;

ASSIGNORS also do hereby covenant that they have the full right to convey the entire right, title, and interest herein assigned, and that they have not and will not execute any agreement in conflict herewith:

ASSIGNORS also do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States on said invention or

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resulting from said application, including any continuations, continuations-in-part, divisions, reissues, re-examinations, substitutions, and extensions thereof, to said ASSIGNEE, its successors, assigns, and legal representatives as the ASSIGNEE of the entire right, title, and interest herein assigned;

ASSIGNORS also do hereby agree to, at any time, upon request, without further or additional consideration but at the expense of said ASSIGNEE, its successors, assigns, or legal representatives, execute and deliver any and all papers, make all rightful oaths, and do all lawful acts that may be necessary or desirable to perfect the entire right, title, and interest in said application, including any and all continuations, continuations-in-part, divisionals, reissues, re-examinations, substitutions, and extensions thereof, and any and all patents of the United States and foreign countries that may issue therefrom said ASSIGNEE, its successors, assigns, and legal representatives, and generally do everything possible to vest the entire right, title, and interest herein assigned in said ASSIGNEE, its successors, assigns, and legal representatives;

ASSIGNORS also do hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

WILMER CUTLER PICKERING HALE AND DORR LLP

All practitioners at Customer Number 23483.

This ASSIGNMENT is effective as of February 4, 2015

03/02/2015	
Date	Veena Ramamoorthy
Vitness: 02/FEB]_Lau5=	
Date	PRANCESH AMA

03/98/2015	Jan
Date	Sudaryan Kannan
Witness:	N. M.
<u> 03/606/2015</u>	
Date /	GRALISH BOM

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RECORDED: 02/04/2015

PATENT REEL: 034889 FRAME: 0187