504090428 11/10/2016

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4137096

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ARUL MURUGAN MANICKAM	11/09/2016
RAMESH KUMAR CHINNASAMY	11/09/2016
ADITI SRIVASTAVA	11/09/2016

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:	15348078

CORRESPONDENCE DATA

Fax Number: (404)645-7707

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: 404-645-7700

Email: dschubach@mcciplaw.com

MEUNIER CARLIN & CURFMAN LLC **Correspondent Name:**

Address Line 1: 999 PEACHTREE STREET NE

Address Line 2: **SUITE 1300**

Address Line 4: ATLANTA, GEORGIA 30309

ATTORNEY DOCKET NUMBER:	10143-230US1	
NAME OF SUBMITTER:	DANIELLE ANN SCHUBACH	
SIGNATURE:	/Danielle Ann Schubach/	
DATE SIGNED:	11/10/2016	

Total Attachments: 3

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> **PATENT REEL: 040277 FRAME: 0389** 504090428

ASSIGNMENT

For valuable consideration, we, <u>Arul Murugan Manickam</u> of 2539 Countrybrook, San Jose, California 95132; <u>Ramesh Kumar Chinnasamy</u> of 516 Bayview Park Dr, Milpitas, California 95035; and <u>Aditi Srivastava</u> of 3200 Zanker Road, Unit 1147, San Jose, California 95134, hereby assign to:

CISCO TECHNOLOGY, INC.

a California corporation, having a place of business at: 170 West Tasman Drive San Jose, California 95134-1706

and its successors and assign (collectively hereinafter "the Assignee"), the entire right, title, and interest throughout the world in the inventions and improvements that are subject of an application for United States Patent signed by me, titled Network Aware Dynamic Orchestration Method and System for Multicast Services, filed on November 10, 2016 and assigned U.S. Application No. 15/348,078, and I authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and I authorize the Assignee to apply in all countries in my name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and I agree for me and my respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

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Auluga	Date: 11 09 23 16
ARUL MURUGAN MANICKAM	•
WITNESSED BY:	
	Date:
Signature	
Typed or Printed Name	
Witness Address	
- lamskump	Date: 11 /9/2016
RAMESH KUMAR CHINNASAMY	
WITNESSED BY:	
Signature	Date:
Dignature	
Typed or Printed Name	
Witness Address	

ADITI SDIVASTANA	Date: 11/9/2016.
ADITI SRIVASTAVA	
WITNESSED BY:	
	Date:
Signature	Date.
Typed or Printed Name	
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