### 504278917 03/20/2017

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
SANJAY KUMAR HOODA	02/28/2017
KAUSHIK KUMAR DAM	02/28/2017
SANDESH KUMAR NARAPPA BHEEMANAKONE	02/28/2017
VICTOR M. MORENO	03/16/2017
SHIVANGI SHARMA	02/28/2017

#### **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:	15446802

### **CORRESPONDENCE DATA**

**Fax Number:** (612)332-9081

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:** 404-954-5100

**Email:** mbrami@merchantgould.com

Correspondent Name: MERCHANT & GOULD P.C. CISCO TECHNOLOGY,

Address Line 1: P.O. BOX 2903

Address Line 4: MINNEAPOLIS, MINNESOTA 55402-0903

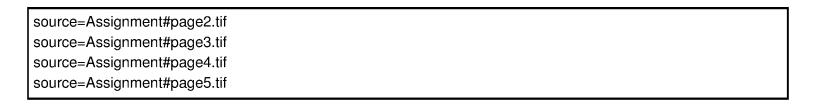
ATTORNEY DOCKET NUMBER:	60374.0901US01/1005839-US
NAME OF SUBMITTER:	D. KENT STIER
SIGNATURE:	/D. Kent Stier/
DATE SIGNED:	03/20/2017

**Total Attachments: 5** 

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PATENT REEL: 041637 FRAME: 0645

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PATENT REEL: 041637 FRAME: 0646

#### ASSIGNMENT

WHEREAS, we, the undersigned inventor ("Assignor"), of residence as listed, having invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made, said application having been executed on the date set forth below; and

WHEREAS, Cisco Technology, Inc., ("Assignee") a California corporation having an address of 170 West Tasman Drive, San Jose, California 95134-1706, desires to acquire all right, title, and interest in and to the invention, and in and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for and in consideration of One United States Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we assign to Assignee, all right, title and interest in and to said invention and in and to said application and all patents which may be granted therefore, and all divisions, reissues, continuations, continuations-in-part and extensions thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as my interest is concerned, to Assignee.

We also assign to Assignee, all right title and interest to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world including all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and we further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title and interest in Assignee.

We will communicate to Assignee any facts known to me respecting any improvements; and, at the expense of Assignee, we will testify in any legal proceedings, sign all lawful papers execute all divisional, continuation, continuation-in-part, reissue and substitute applications, make lawful oaths and declarations, and generally do everything possible to vest title in Assignee and to aid Assignee to obtain and enforce proper protection for said invention in all countries.

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## Docket No. 60374.0901US01/1005839-US.01

This Assignment shall be binding on the parties' successors, assigns and legal representatives.

Title of the Invention:	Group Based Multicast in Networks
Signature of Inventor:	Jaylay Jumen
Inventor's Name:	Sanjay Kumar Hooda
Residence (City, State):	Pleasanton, California
Post Office Address:	5479 Sonoma Drive
	Pleasanton, California 94566 USA
Citizenship:	US 2/20/20/2
Date:	
Title of the Invention:	Group Based Multicast in Networks
Signature of Inventor:	Kaush Wem
Inventor's Name:	Kaushik Kumar Dam
Residence (City, State):	San Jose, California
Post Office Address:	2998 Delta Road
	San Jose, California 95135 USA
Citizenship:	US
Date:	02/28/17

# Docket No. 60374.0901US01/1005839-US.01

Title of the Invention:	Group Based Multicast in Networks
Signature of Inventor:	BSYllms
Inventor's Name:	Sandesh Kumar Narappa Bheemanakone
Residence (City, State):	Milpitas, California
Post Office Address:	1775 Milmont Drive, Apartment S302
	Milpitas, California 95035 USA
Citizenship:	India
Date:	02/28/2017
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Title of the Invention:	Group Based Multicast in Networks
i	
Signature of Inventor:	
Inventor's Name:	Victor M. Moreno
Residence (City, State):	Carlsbad, California
Post Office Address:	5365 Los Robles Drive
	Carlsbad, California 92008 USA
Citizenship:	US
Date:	

Title of the Invention:	Group Based Multicast in Networks
Signature of Inventor:	
Inventor's Name:	Sandesh Kumar Narappa Bheemanakone
Residence (City, State):	Milpitas, California
Post Office Address:	1775 Milmont Drive, Apartment S302
	Milpitas, California 95035 USA
Citizenship:	<u>India</u>
Date:	
Title of the Invention:	Group Based Multicast in Networks
Signature of Inventor:	Victor M. Moreno
Inventor's Name:	
Residence (City, State):	Carlsbad, California
Post Office Address:	5365 Los Robles Drive
	Carlsbad, California 92008 USA
Citizenship:	US (1/() 7
Date:	03/16/17

## Docket No. 60374.0901US01/1005839-US.01

Title of the Invention:	Group Based Multicast in Networks
Signature of Inventor:	Dains.
	<i>.</i>
Inventor's Name:	Shivangi Sharma
Residence (City, State):	Los Gatos, California
Post Office Address:	130 Forest Hill Drive
	Los Gatos, California 95032 USA
Citizenship:	India.
Date:	02/28/2017.

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PATENT REEL: 041637 FRAME: 0651