

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2615593

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>DEEPAK DAYAMA</td> <td>11/11/2013</td> </tr> <tr> <td>RAGHAVA SIVARAMU</td> <td>10/29/2013</td> </tr> <tr> <td>DHANANJAYA RAO</td> <td>11/10/2013</td> </tr> <tr> <td>NATARAJ BACTHU</td> <td>10/29/2013</td> </tr> </tbody> </table>		Name	Execution Date	DEEPAK DAYAMA	11/11/2013	RAGHAVA SIVARAMU	10/29/2013	DHANANJAYA RAO	11/10/2013	NATARAJ BACTHU	10/29/2013
Name	Execution Date										
DEEPAK DAYAMA	11/11/2013										
RAGHAVA SIVARAMU	10/29/2013										
DHANANJAYA RAO	11/10/2013										
NATARAJ BACTHU	10/29/2013										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Cisco Technology, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>170 West Tasman Drive</td> </tr> <tr> <td>City:</td> <td>San Jose</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>95134-1706</td> </tr> </table>		Name:	Cisco Technology, Inc.	Street Address:	170 West Tasman Drive	City:	San Jose	State/Country:	CALIFORNIA	Postal Code:	95134-1706
Name:	Cisco Technology, Inc.										
Street Address:	170 West Tasman Drive										
City:	San Jose										
State/Country:	CALIFORNIA										
Postal Code:	95134-1706										
PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>14080202</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14080202						
Property Type	Number										
Application Number:	14080202										
CORRESPONDENCE DATA											
<p>Fax Number: (301)762-4056</p> <p>Phone: 301-424-3640</p> <p>Email: mail@usiplaw.com</p> <p><i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i></p> <p>Correspondent Name: AMOL PUROHIT - ESF, LLC</p> <p>Address Line 1: 9801 WASHINGTONIAN BLVD.</p> <p>Address Line 2: SUITE 750</p> <p>Address Line 4: GAITHERSBURG, MARYLAND 20878</p>											
ATTORNEY DOCKET NUMBER:	0370.1557C (981196)										
NAME OF SUBMITTER:	AMOL PUROHIT										

502569746

PATENT
 REEL: 031604 FRAME: 0696

OP \$40.00 14080202

Signature:	/Amol Purohit/
Date:	11/14/2013
Total Attachments: 2 source=ExecutedAssn#page1.tif source=ExecutedAssn#page2.tif	

ASSIGNMENT

For good and valuable consideration, WE, Deepak Dayama, residing at 1690 Civic Center Dr., # 202, Santa Clara, CA 95050; Raghava Sivaramu, residing at 1063 Morse Avenue, Apt. 7-207, Sunnyvale, CA 94089; Dhananjaya Rao, residing at 755 E. Capitol Ave., #P204, Milpitas, CA 95035; and Nataraj Bacthu, residing at 885 West Iowa Avenue, Sunnyvale, CA 94086, hereinafter individually or collectively referred to as "Assignor";


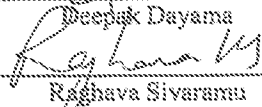
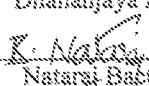
Hereby sell, assign and transfer to Cisco Technology, Inc., a corporation organized and existing under the laws of California, having its principal place of business at 170 West Tasman Drive, San Jose, California 95134-1706, hereinafter "Assignee", its successors, assigns and legal representatives, the entire right, title and interest in and for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned and

entitled: **Optimized Multicast Routing in a Clos-Like Network**

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on said improvements;

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and legal representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

SIGNATURE: _____		DATE: <u>11/11/2013</u>
	Deepak Dayama	
SIGNATURE: _____		DATE: <u>10/29/13</u>
	Raghava Sivaramu	
SIGNATURE: _____		DATE: _____
	Dhananjaya Rao	
SIGNATURE: _____		DATE: <u>10/29/2013</u>
	Nataraj Bacthu	

ASSIGNMENT

For good and valuable consideration, WE, Deepak Dayama, residing at 1690 Civic Center Dr., # 202, Santa Clara, CA 95050; Raghava Sivaramu, residing at 1063 Morse Avenue, Apt. 7-207, Sunnyvale, CA 94089; Dhananjaya Rao, residing at 755 E. Capitol Ave., #P204, Milpitas, CA 95035; and Nataraj Bacthu, residing at 885 West Iowa Avenue, Sunnyvale, CA 94086, hereinafter individually or collectively referred to as "Assignor";

Hereby sell, assign and transfer to **Cisco Technology, Inc.**, a corporation organized and existing under the laws of California, having its principal place of business at 170 West Tasman Drive, San Jose, California 95134-1706, hereinafter "Assignee", its successors, assigns and legal representatives, the entire right, title and interest in and for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned and

entitled: **Optimized Multicast Routing in a Clos-Like Network**

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on said improvements;

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and legal representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

SIGNATURE: _____ DATE: _____
Deepak Dayama

SIGNATURE: _____ DATE: _____
Raghava Sivaramu

SIGNATURE: _____ DATE: 11/10/2013
Dhananjaya Rao

SIGNATURE: _____ DATE: _____
Nataraj Bacthu