

PATENT ASSIGNMENT

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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>Sourabh Jain</td> <td>04/27/2013</td> </tr> <tr> <td>Varun Shah</td> <td>05/15/2013</td> </tr> <tr> <td>Ayan Banerjee</td> <td>04/26/2013</td> </tr> </tbody> </table>		Name	Execution Date	Sourabh Jain	04/27/2013	Varun Shah	05/15/2013	Ayan Banerjee	04/26/2013
Name	Execution Date								
Sourabh Jain	04/27/2013								
Varun Shah	05/15/2013								
Ayan Banerjee	04/26/2013								
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									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13767438</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13767438				
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Application Number:	13767438								
CORRESPONDENCE DATA									
Fax Number:	4049545099								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	404-954-5100								
Email:	smedina@merchantgould.com								
Correspondent Name:	MERCHANT & GOULD SCIENTIFIC ATLANTA, A C								
Address Line 1:	P.O. BOX 2903								
Address Line 4:	MINNEAPOLIS, MINNESOTA 55402-0903								
ATTORNEY DOCKET NUMBER:	60374.0552US01/978435								
NAME OF SUBMITTER:	Michael I. Krause								
Signature:	/Michael I. Krause/								
Date:	05/24/2013								

OP \$40.00 13767438

Total Attachments: 4

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ASSIGNMENT

WHEREAS, I, the undersigned inventor (or one of the undersigned joint inventors "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, I 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 I 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.

I 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 I 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.

I will communicate to Assignee any facts known to me respecting any improvements; and, at the expense of Assignee, I 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.

Docket No. 60374.0552US01/978435

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

Title of the Invention: Mechanism and Framework for Finding Optimal Multicast Tree Roots Without the Knowledge of Traffic Sources and Receivers for Fabricpath and TRILL

Signature of Inventor: 

Inventor's Name: Sourabh Jain

Residence (City, State): SJ Sunnyvale, CA MILPITAS, CA

Post Office Address: 1063 Morse Avenue, Apt 24-200

Sunnyvale, CA 94089 MILPITAS, CA 95035

Citizenship: INDIA

Date: April 27, 2013

Signature of Inventor: _____

Inventor's Name: Varun Shah

Residence (City, State): Milpitas, CA

Post Office Address: 775 East Capitol Avenue, Apt. J311

Milpitas, CA 95035

Citizenship: IN

Date: _____

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Title of the Invention: Mechanism and Framework for Finding Optimal Multicast Tree Roots Without the Knowledge of Traffic Sources and Receivers for Fabricpath and TRILL

Signature of Inventor: _____

Inventor's Name: Sourabh Jain

Residence (City, State): Sunnyvale, CA

Post Office Address: 1063 Morse Avenue, Apt 24-200
Sunnyvale, CA 94089

Citizenship: _____

Date: _____

Signature of Inventor: 

Inventor's Name: Varun Shah

Residence (City, State): Milpitas, CA

Post Office Address: 755 ~~9301~~
~~775~~ East Capitol Avenue, Apt. ~~311~~
Milpitas, CA 95035

Citizenship: IN

Date: 05/15/2013

Docket No. 60374.0552US01/978435

Signature of Inventor:

Ayan Banerjee

Inventor's Name:

Ayan Banerjee

Residence (City, State):

Fremont, CA

Post Office Address:

5250 Keystone Drive

Fremont, CA 94536

Citizenship:

US

Date:

April 26, 2013