

## 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>Amit Singh</td> <td>06/10/2013</td> </tr> <tr> <td>Deepak S. Mayya</td> <td>06/11/2013</td> </tr> <tr> <td>Narendra J. Gathoo</td> <td>06/06/2013</td> </tr> <tr> <td>Ranga Rajagopalan</td> <td>06/10/2013</td> </tr> </tbody> </table>		Name	Execution Date	Amit Singh	06/10/2013	Deepak S. Mayya	06/11/2013	Narendra J. Gathoo	06/06/2013	Ranga Rajagopalan	06/10/2013
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Narendra J. Gathoo	06/06/2013										
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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</td> </tr> </table>		Name:	Cisco Technology, Inc.	Street Address:	170 West Tasman Drive	City:	San Jose	State/Country:	CALIFORNIA	Postal Code:	95134
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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>13915698</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13915698						
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CORRESPONDENCE DATA											
Fax Number: 9722264837 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 214-823-1241 Email: roseanne.cisneros@patcapgroup.com Correspondent Name: Patent Capital Group - Cisco Address Line 1: 2816 Lago Vista Lane Address Line 4: Rockwall, TEXAS 75032											
ATTORNEY DOCKET NUMBER:	03919.0588 (979120)										
NAME OF SUBMITTER:	Thomas J. Frame										
Signature:	/Thomas J. Frame/										

Date:

06/12/2013

**Total Attachments: 5**

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**ASSIGNMENT**

**WHEREAS**, I, the undersigned inventor (or one of the undersigned joint inventors), 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. (hereinafter referred to as "Assignee"), a California Corporation, with an address of 170 West Tasman Drive, San Jose, California 95134, desires to acquire my entire 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 provisional, 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 provisional, 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.

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

ATTORNEY DOCKET NO.  
03919.0588 (979120)

ASSIGNMENT

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Title of Invention:

MULTICAST FLOW REORDERING SCHEME

Full name of inventor:

Amit Singh

Inventor's signature:

A handwritten signature in black ink, appearing to read 'Amit Singh', written over a horizontal line.

Date:

6/10/2013

Post Office Address:

46905 Lundy Ter  
Fremont CA 94539

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03919.0588 (979120)

ASSIGNMENT

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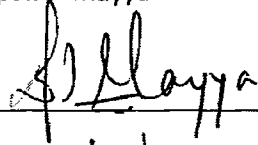
Title of Invention:

MULTICAST FLOW REORDERING SCHEME

Full name of inventor:

Deepak S. Mayya

Inventor's signature:

  
\_\_\_\_\_

Date:

6/11/2013  
\_\_\_\_\_

Post Office Address:

34264 Tan Bark Dr.  
Fremont, CA 94555

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03919.0588 (979120)

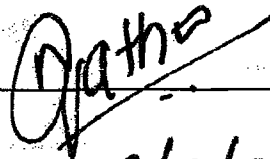
ASSIGNMENT

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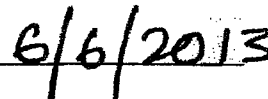
Title of Invention: MULTICAST FLOW REORDERING SCHEME

Full name of inventor: Narendra J. Gathoo

Inventor's signature:

A handwritten signature in black ink, appearing to read "N. Gathoo", written over a horizontal line.

Date:

A handwritten date "6/6/2013" in black ink, written over a horizontal line.

Post Office Address:

3154 Cortona Dr.  
San Jose, CA 95135

ATTORNEY DOCKET NO.  
03919.0588 (979120)

ASSIGNMENT

5


Title of Invention:

MULTICAST FLOW REORDERING SCHEME

Full name of inventor:

Ranga Rajagopalan

Inventor's signature:



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Date:

06/10/2013

Post Office Address:

570 Olive Ave

Fremont, CA 94539