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11/825389  
07/05/2007

07-16-2007

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103427124

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

## 1. Name of conveying party(ies)

Puneet Gupta, Sunil K. Srivastava  
David Ward, Reshad Rahman  
David ToscanoAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 3. Nature of conveyance/Execution Date(s):

Execution Date(s) 6/19/07; 6/21/07; 6/28/07; 7/2/07

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

## 2. Name and address of receiving party(ies)

Name: Cisco Technology, Inc.

Internal Address: \_\_\_\_\_

Street Address: 170 W. Tasman Drive

City: San Jose

State: California

Country: USA Zip: 95134

Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 4. Application or patent number(s):

A. Patent Application No.(s)

☒ This document is being filed together with a new application.

B. Patent No.(s)

07/09/2007 EHAILE1 00000023 11825389

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40.00

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address to whom correspondence concerning document should be mailed:

Name: The Law Offices of Bradley J. Bereznek

Internal Address: \_\_\_\_\_

Street Address: 800 W. El Camino Real, Suite 180

City: Mountain View

State: California Zip: 94040

Phone Number: 650-903-2284

Fax Number: 650-903-2280

Email Address: \_\_\_\_\_

## 6. Total number of applications and patents involved: 1

## 7. Total fee (37 CFR 1.21(h) &amp; 3.41) \$ 40.00

- ☐ Authorized to be charged by credit card  
☐ Authorized to be charged to deposit account  
☒ Enclosed  
☐ None required (government interest not affecting title)

## 8. Payment Information

a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit Account Number \_\_\_\_\_

Authorized User Name \_\_\_\_\_

## 9. Signature:

Signature

07/05/2007

Date

Bradley J. Bereznek

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

7

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450PATENT  
REEL: 019581 FRAME: 0277

**ASSIGNMENT****PATENT**

(For Execution Prior To Filing Patent Application)

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned, **Puneet Gupta, Sunnyvale, California, Sunil K. Srivastava, Fremont, California, David Ward, Somerset, Wisconsin, Reshad Rahman, Ottawa, Canada and David Toscano, Ottawa, Canada** hereby sell, assign, and transfer to **Cisco Technology, Inc.**, a corporation of California, having a principal place of business at 170 West Tasman Drive, San Jose, CA 95134, ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements that are disclosed in the application for the United States patent that has been executed by the undersigned prior hereto or concurrently herewith on the date indicated below and is entitled **Scaling BFD Sessions for Neighbors Using Physical / Sub-Interface Relationships** and in and to said application and all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that 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 patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents 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 applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions 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 representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives 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.

**Each Inventor: Please Sign and Date Below:**

June 19<sup>th</sup>, 2007  
Date

Puneet Gupta  
Name: Puneet Gupta

\_\_\_\_\_, 2007  
Date

\_\_\_\_\_  
Name: Sunil K. Srivastava

\_\_\_\_\_, 2007  
Date

\_\_\_\_\_  
Name: David Ward

\_\_\_\_\_, 2007  
Date

\_\_\_\_\_  
Name: Reshad Rahman

\_\_\_\_\_, 2007  
Date

\_\_\_\_\_  
Name: David Toscano

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Each Inventor: Please Sign and Date Below:

\_\_\_\_\_, 2007  
Date

\_\_\_\_\_  
Name: Puneet Gupta

06/28/\_\_\_\_\_, 2007  
Date

  
\_\_\_\_\_  
Name: Sunil K. Srivastava

\_\_\_\_\_, 2007  
Date

\_\_\_\_\_  
Name: David Ward

\_\_\_\_\_, 2007  
Date

\_\_\_\_\_  
Name: Reshad Rahman

\_\_\_\_\_, 2007  
Date

\_\_\_\_\_  
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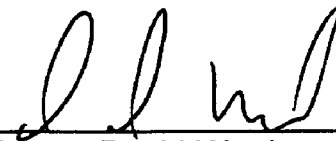
\_\_\_\_\_, 2007  
Date

\_\_\_\_\_  
Name: Sunil K. Srivastava

\_\_\_\_\_, 2007  
Date

\_\_\_\_\_  
Name: Puneet Gupta

July 02, 2007  
Date

  
\_\_\_\_\_  
Name: David Ward

\_\_\_\_\_, 2007  
Date

\_\_\_\_\_  
Name: Reshad Rahman

\_\_\_\_\_, 2007  
Date

\_\_\_\_\_  
Name: David Toscano

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Date

\_\_\_\_\_  
Name: Puneet Gupta

\_\_\_\_\_, 2007  
Date

\_\_\_\_\_  
Name: Sunil K. Srivastava

\_\_\_\_\_, 2007  
Date

\_\_\_\_\_  
Name: David Ward

June 21st, 2007  
Date

  
\_\_\_\_\_  
Name: Reshad Rahman

\_\_\_\_\_, 2007  
Date

\_\_\_\_\_  
Name: David Toscano

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\_\_\_\_\_, 2007  
Date

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Name: Sunil K. Srivastava

\_\_\_\_\_, 2007  
Date

\_\_\_\_\_  
Name: David Ward

\_\_\_\_\_, 2007  
Date

\_\_\_\_\_  
Name: Reshad Rahman

June 21, 2007  
Date

D. Toscano  
Name: David Toscano