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Atty Ref/Docket No.: 1370.269US1

Patent and Trademark Office

To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Eric C. Rosen, Clarence Filsfils, James Neil Guichard,
Keyur P. Patel and Pradosh Kumar Mohapatra

Additional name(s) of conveying party(ies) attached?

[] Yes [X] No

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

Name: Cisco Technology, Inc.

Street Address: 170 West Tasman Drive¹City: San Jose State: CA Zip: 95134-1706

Additional name(s) & address(es) attached? [] Yes [X] No

3. Nature of conveyance:

[X] Assignment [] Merger

[] Security Agreement [] Change of Name

[] Other

Execution Date: December 5, 2008, December 3, 2008,
December 8, 2008, December 4, 2008, December 15,
2008

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

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

Serial No. 12/336,469, filed December 16, 2008

Additional numbers attached? [] Yes [X] No

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

Name: Michael K. Hsu

Address:

Schwegman, Lundberg & Woessner, P.A.
P.O. Box 2938
Minneapolis, MN 55402-0938

6. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41): \$ 40.00

[] Enclosed

[X] Authorized to be charged to deposit account
19-0743

8. Please charge any additional fees or credit any over payments to our Deposit Account No.: 19-0743

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Michael K. Hsu/Reg. No. 46,782
Name of Person Signing

Michael Hsu
Signature

1/19/2009
Date

Total number of pages including cover sheet: 8

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks
Mail Stop Assignment Recordation Services
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Alexandria, VA 22313-1450

700396823

PATENT
REEL: 022136 FRAME: 0782

CH \$40.00 190743 12336469

ASSIGNMENT

WHEREAS, We, Eric C. Rosen, residing at 22 Florence Avenue, Arlington, MA 02476-5910, and Clarence Filsfils, residing at 66, rue du Duc, Brussels 1150, Belgium, and James Neil Guichard, residing at 449 Joe English Road, New Boston, NH 03070, and Keyur P. Patel, residing at 6297 Skywalker Drive, San Jose, CA 95135, and Pradosh Kumar Mohapatra, residing at 39939 Stevenson Common, #2128, Fremont, CA 94538, made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States entitled BACKUP ROUTE GENERATION IN BORDER GATEWAY PROTOCOL:

WHEREAS, We hereby authorize and request our attorneys, as listed on the Combined Declaration and Power of Attorney, at Schwegman, Lundberg & Woessner, P.A., located at 121 South Eighth Street, Suite 1600, Minneapolis, MN 55402, to insert here in parentheses (Ser. No. 12,133,416; Filing Date: December 16, 2008) the filing date and application number of said application when known.

AND WHEREAS, Cisco Technology, Inc., a corporation organized and existing under and by virtue of the laws of the State of California, and having an office and place of business at 170 West Tasman Drive, San Jose, CA 95134-1706 (hereinafter "Assignee"), is desirous of acquiring the entire right, priority right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

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Client Ref. No. CPOL 957364 / SEQ 19529
Title: BACKUP ROUTE GENERATION IN BORDER GATEWAY PROTOCOL
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NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore, we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

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IN TESTIMONY WHEREOF, I have hereunto set my hand this 5th day of

December, 2008.



Eric C. Rosen

PATENT

REEL: 022136 FRAME: 0785

Docket No: 1370.269US1
Client Ref. No. CPOI, 987364 / SHQ 19329
Title: BACKUP ROUTE GENERATION IN BORDER GATEWAY PROTOCOL
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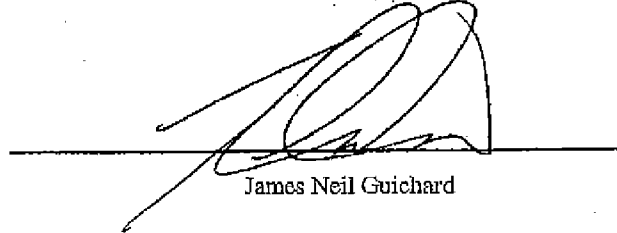
IN TESTIMONY WHEREOF, I have hereunto set my hand this 09 day of
DECEMBER, 2008.



Clarence Filsfils

Docket No: 1370.259US1
Client Ref. No. CPOL 957364 / SEQ 19529
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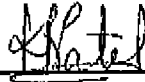
IN TESTIMONY WHEREOF, I have hereunto set my hand this 8th day of
December, 2008.



James Neil Guichard

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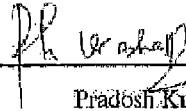
IN TESTIMONY WHEREOF, I have hereunto set my hand this 4th day of
December, 2008.



Keyur P. Patel

Docket No. 1370269US1
Client Ref. No. CPOL 9573647 SEQ 19529
Title: BACKUP ROUTE GENERATION IN BORDER GATEWAY PROTOCOL
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IN TESTIMONY WHEREOF, I have hereunto set my hand this: 15 day of
December, 2008.



Pradosh Kumar Mohapatra

SCHWEGMAN ■ LUNDBERG ■ WOESSNER
PATENT, TRADEMARK & COPYRIGHT ATTORNEYS

P.O. Box 2938

Minneapolis, MN 55402

Telephone (612) 373-6900

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Date: Jan 21 2009Time: 8:51 am

(Minneapolis, Minn.)

TO: Commissioner for Patents
Attn: Assignment Recordation Services
Patent Examining Corps
Facsimile Center
P.O. Box 1450
Alexandria, VA 22313-1450

FROM: Michael K. Hsu

OUR REF: 1370.269US1

FAX NUMBER 571-273-0140

Documents Transmitted:

Assignment (7 pages), Assignment Recordation Form Cover Sheet (1 page), authorization to charge Deposit Account No. 19-0743 in the amount of \$40.00 to cover the Assignment Recording Fee.

Total pages of this transmission, including cover letter: (9 pgs)

If you do NOT receive all of the pages described above, please telephone us at 612-373-6900 or fax us at 612-339-3061.

In re. Patent Application of: Eric Rosen et al.

Examiner:

Serial No.: 12/336,469

Group Art Unit: 2416

Filed: December 16, 2008

Docket No.: 1370.269US1

Title: BACKUP ROUTE GENERATION IN BORDER GATEWAY PROTOCOL

Please charge any additional fees or credit overpayment to Deposit Account No. 19-0743.

By: Michael Hsu

Name: Michael K. Hsu

Reg. No. 46,782

I hereby certify that this paper is being transmitted by facsimile to the U.S. Patent and Trademark Office on the date shown below.

Ashley Z. Stephenson
Ashley Z. Stephenson

Jan. 21, 2009
Date