

11-26-2002

FORM PTO-1594
01-10-96:CMG



U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Att'y Ref/Docket No.: 1384.025US1

102293478

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Joseph Cheng and Tim Millet

11-18-02

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

Name: CoSine Communications, Inc.

Additional name(s) of conveying party(ies) attached? [] Yes [X] No

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Street Address: 1200 Bridge Parkway

City: Redwood City State: CA ZIP: 94065

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

Execution Date: 11/13/02 and 10/04/02, respectively

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: 11/11/02 and 10/04/02, respectively

A. Patent Application No.(s)

10298815

B. Patent No.(s)

Additional numbers attached? [] Yes [X] No

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

Name: Gregory J. Gorrie

Address: Schwegman, Lundberg, Woessner & Kluth, P.A.
P.O. Box 2938
Minneapolis, MN 55402

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00

- Enclosed
- Authorized to be charged to deposit account

8. Please charge any additional fees or credit any overpayments to our Deposit account number: 19-0743

11/25/2002 TBI AZ1 00000164 190743 10298815

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DO NOT USE THIS SPACE

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.

Gregory J. Gorrie/Reg. No. 36,530
Name of Person Signing

Gregory J. Gorrie
Signature

11/18/02
Date

Total number of pages including cover sheet: 7

OMB No. 0651-0011 (exp. 4/94)

Do not detach this portion

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

Commissioner of Patents and Trademarks
Box Assignments
Washington, D.C. 20231

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PATENT
REEL: 013511 FRAME: 0745

10/298815
11/18/02

ASSIGNMENT

WHEREAS, WE, Joseph Cheng, residing at 955 La Mesa Terrace #A, Sunnyvale, CA 94086, and Zahid Hussain, residing at 5358 Laurel Canyon Drive, San Jose, CA 95138, and Tim Millet, residing at 621 Lola Lane, Mountain View, CA 94040, made certain new and useful inventions and improvements for which We executed an application for Letters Patent of the United States on Even Date Herewith, which is entitled SYSTEM AND METHOD FOR HARDWARE ACCELERATED PACKET MULTICAST IN A VIRTUAL ROUTING SYSTEM.

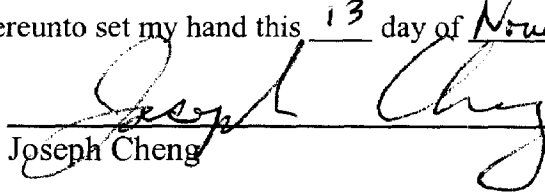
AND WHEREAS, CoSine Communications, Inc., a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having an office and place of business at 1200 Bridge Parkway, Redwood City, CA 94065, (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefore;

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 therefrom, 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 therefrom; 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 me/us and that full right to convey the same as herein expressed is possessed by us.

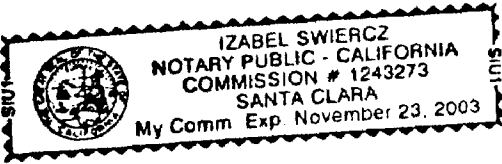
IN TESTIMONY WHEREOF, I have hereunto set my hand this 13 day of November, 2002.




Joseph Cheng

STATE OF California)
)ss.
COUNTY OF Santa Clara)

On this 13th day of NOVEMBER, 2002 before me personally appeared Joseph Cheng to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL] 



Notary Public

ASSIGNMENT

WHEREAS, WE, Joseph Cheng, residing at 955 La Mesa Terrace #A, Sunnyvale, CA 94086, and Zahid Hussain, residing at 5358 Laurel Canyon Drive, San Jose, CA 95138, and Tim Millet, residing at 621 Lola Lane, Mountain View, CA 94040, made certain new and useful inventions and improvements for which We executed an application for Letters Patent of the United States on Even Date Herewith, which is entitled SYSTEM AND METHOD FOR HARDWARE ACCELERATED PACKET MULTICAST IN A VIRTUAL ROUTING SYSTEM.

AND WHEREAS, CoSine Communications, Inc., a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having an office and place of business at 1200 Bridge Parkway, Redwood City, CA 94065, (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefore;

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 therefrom, 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 therefrom; 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.

IN TESTIMONY WHEREOF, I have hereunto set my hand this ____ day of _____, 2002.

Zahid Hussain

STATE OF _____)
)ss.
COUNTY OF _____)

On this ____ day of _____, 2002 before me personally appeared Zahid Hussain to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL] _____
Notary Public

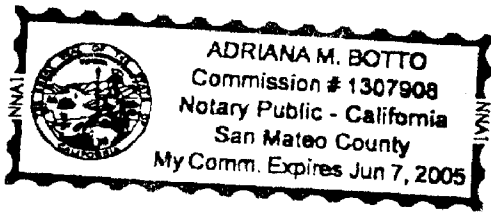
IN TESTIMONY WHEREOF, I have hereunto set my hand this 4th day of October, 2002.

Tim Millet

Tim Millet

STATE OF California
)ss.
COUNTY OF San Mateo

On this 4th day of October, 2002 before me personally appeared Tim Millet to me known and known to me to be the person described in and who executed the foregoing instrument, and he/~~she~~ duly acknowledged to me that he/~~she~~ executed the same for the uses and purposes therein set forth.

[SEAL]  _____
Adriana M Botto
Notary Public