

05-31-2000

1c714 U.S. PTO
09/564604
05/04/00

To the Honorable commissioner of P
Please record the attached original



1. Name of conveying party(ies): M

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ess of receiving party(ies):

Name: Cisco Technology, Inc.

Street Address: 170 West Tasman Drive, Building D

City: San Jose

State: CA Zip: 95134-1706

Additional name(s) of conveying party(ies) attached? _____ Yes No

3. Nature of conveyance:
 Assignment
_____ Merger
_____ Security Agreement
_____ Change of Name
_____ Other

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

Execution Date: March 25, 2000

09/564604

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: March 25, 2000

A. Patent Application No.(s)

B. Patent No. (s)

Additional numbers attached? _____ Yes No

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

Name: Cesari and McKenna, LLP

Street Address: 30 Rowes Wharf

City: Boston State: MA Zip: 02110

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. Deposit account no. 03-1237 (Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

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40.00 DP

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.

A. Sidney Johnston

4 May 2000

A. Sidney Johnston, Reg. No. 29,548

Signature

Date

Total number of pages comprising cover sheet: 1

ASSIGNMENT

Whereas We, Abhijit Patra, whose residence address is 3475 Granada Avenue, #342, Santaciara, CA 95051, Milton Xu, whose residence address is 1120 Silver Canyon Drive, San Jose, CA 95120, Peram Marimuthu, whose residence address is 1565, Finch Way, Sunnyvale, CA 94087, and Jeffrey Wang, whose residence address is 1120 Silver Canyon Drive, San Jose, CA 95120, have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled VC SHARING FOR MULTICAST IN A COMPUTER NETWORK, identified by Cesari and McKenna File No. 112025-0202, which application was executed by us on:

Abhijit Patra Date: _____

Milton Xu Date: 4-25-2000

Peram Marimuthu Date: _____

Jeffrey Wang Date: _____

and

Whereas Cisco Technology, Inc., whose address is 170 West Tasman Drive, Building D, San Jose, CA 95134-1706, and which, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited;

Now, Therefore, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation:

1. Assign, transfer, and convey to Assignee our entire right, title, and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, continuation-in-part, and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, reexaminations, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications, and said Letters Patent;

2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in our names or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue

or transfer all said Letters Patent to Assignee, as assignee of the entire right, title, and interest therein or otherwise as Assignee may direct;

4. Warrant that we have not knowingly conveyed to others any right in said inventions, discoveries, applications, or patents or any license to use the same or to make, use, or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same Assignee without encumbrance;

5. Bind our heirs, legal representatives and assigns, as well as ourselves, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications, and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives, and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples, and other physical exhibits in our control or in the control of our heirs, legal representatives or assigns which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries.

In testimony of which we have executed this Assignment as an instrument under seal on the dates indicated next to our names.

_____ Date _____ Abhijit Patra, Inventor

Commonwealth of Massachusetts)
)ss.
County of _____)

On this _____ day of _____, 2000, before me appeared Abhijit Patra, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

Notary Public

[seal]

4-25-2000

Date

Milton Xu

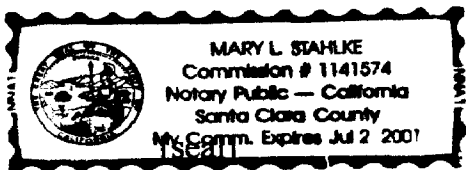
Milton Xu, Inventor

State of CALIFORNIA
~~Commonwealth of Massachusetts~~)

)ss.

County of SANTA CLARA)

On this 25th day of April, 2000, before me appeared Milton Xu, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.



Mary L. Stahlke
Notary Public

Date

Peram Marimuthu, Inventor

Commonwealth of Massachusetts)

)ss.

County of _____)

On this _____ day of _____, 2000, before me appeared Peram Marimuthu, to me known and known to me to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

Notary Public

[seal]

