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2. Name and address 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) & address(es)
attached? Yes X No

Execution Date: 10/18/2000

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: 10/18/00

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

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

Name: Cesari and McKenna

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

Street Address: 88 Black Falcon Ave.

_____ Authorized to be charged to deposit
account

City: Boston State: MA Zip: 02210

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

10/25/2000 SDENB081 00000019 09693251

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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.

Name of Person Signing _____

Signature

Date _____

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

Total number of pages comprising cover sheet:

PATENT
REEL: 011254 FRAME: 0957

ASSIGNMENT

Whereas We, Lorenzo Vicisano, whose residence address is 1140 Mariposa Street #5, San Francisco, CA 94017, and Tony Speakman, whose residence address is 542 Diamond Street, San Francisco, CA 94114, have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled ROUTER-ASSISTED MULTICAST CONGESTION CONTROL, identified by Cesari and McKenna File No. 112025-0178, which application was executed by us on 18 October 2000; 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.

18 October 2000
Date

Lorenzo Vicisano
Lorenzo Vicisano, Inventor

State of California)
)
)ss.
County of SANTA CLARA)

On this 18TH day of OCTOBER, 2000, before me appeared Lorenzo Vicasano, 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. AND PROVED TO ME ON THE BASIS OF SATISFACTORY EVIDENCE.

Mitchell S. Hoffman
Notary Public

[seal]



19 October 2000
Date

T. Speakman
Tony Speakman, Inventor

State of California)
)ss.
County of SANTA CLARA)

On this 18th day of OCTOBER, 2000, before me appeared Tony Speakman, 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 APPROVED TO ME ON THE BASIS OF SATISFACTORY EVIDENCE.

Michelle S. Hoffman
Notary Public

[seal]

