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06-18-1999

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OVER SHEET

101071760

10525 U.S. PTO
09/325534
06/03/99

To: Honorable Commissioner of Patents and Trademarks:

Please record the attached original document(s) or copy thereof.

1. Name of conveying party(ies)
 - a) Charles J. Naegeli
 - b) Mark E. Millet

2. Name and address of receiving party(ies):
 - a) Name: Cisco Technology, Inc.
Address: 170 West Tasman Drive, San Jose, California 95134

3. Nature of conveyance

<input checked="" type="checkbox"/>	Assignment	<input type="checkbox"/>	Merger
<input type="checkbox"/>	Security Agreement	<input type="checkbox"/>	Change of Name
<input type="checkbox"/>	Other _____	<input type="checkbox"/>	License Agreement

Execution Dates: June 1, 1999

4. Application Number(s) or Patent Number(s): herewith **09/325534**

The title of the (new) application is:

Method and Apparatus for Measuring Quality of Upstream Signal Transmission of a Cable Modem

5. Please send all correspondence concerning this (these) documents to:

Customer Number: 022434
BEYER & WEAVER, LLP
P.O. Box 61059
Palo Alto, CA 94306
Telephone (510) 843-6200
Fax (510) 843-6203



022434

PATENT TRADEMARK OFFICE

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00
 - Enclosed
 - Any additional fees are authorized to be charged to Deposit Account No. 50-0388 (Order No. CISCP085)

8. 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.

06/15/1999 #GORDON 0000034 09325534
Date: June 3, 1999 40.00 DP

Rupak Nag
Rupak Nag
Registration No. 37,493

Attorney Docket No. CISCP085/799

(Revised 01/9

PATENT
REEL: 010025 FRAME: 0755

ASSIGNMENT OF PATENT APPLICATION

(Accompanying Application)

Whereas I/we the undersigned inventor(s) have invented certain new and useful improvements as set forth in the patent application entitled:

METHOD AND APPARATUS FOR MEASURING QUALITY OF UPSTREAM SIGNAL TRANSMISSION OF A CABLE MODEM

(Atty. Docket No. CISCP085/799) for which I (we) have executed an application for a United States Letters Patent.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We the undersigned inventor(s) hereby:

- 1) Sell(s), assign(s) and transfer(s) to Cisco Technology, Inc., a California corporation having a place of business at 170 West Tasman Drive, San Jose, CA 95134-1706, (hereinafter referred to as ("ASSIGNEE")), the entire right title and interest in any and all improvements and inventions disclosed in, application(s) based upon, and Patent(s) (including foreign patents) granted upon the information which is disclosed in the above referenced application.
2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application or any division(s), continuation(s), substitutes(s) or reissue(s) thereof to the ASSIGNEE.
3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon the inventor(s), as well as the inventor's heirs, legal representatives and assigns.
5) Warrant and represent that I/we have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

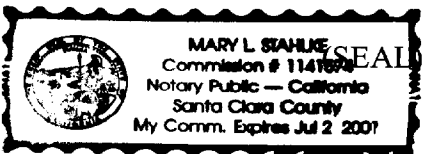
Signed on the date(s) indicated beside my (our) signature(s).

1) Signature: [Handwritten Signature] Date: 1 JUNE 99
Typed Name: Charles J. Naegeli

County of SANTA CLARA,)
) ss.
State of CALIFORNIA)

On this 1st day of JUNE, in the year 1999, before me, Mary L. Stahlke, personally appeared Charles J. Naegeli, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.
Signature [Handwritten Signature]



(Updated 5/18/98)

2) Signature: Mark Millet
Typed Name: Mark E. Millet

Date: 6/1/99

County of SANTA CLARA)
State of CALIFORNIA) ss.

On this 1st day of June, in the year 1999, before me, MARY L. STAHLKE, personally appeared Mark E. Millet, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his ~~her~~ authorized capacity(ies), and that by his ~~her~~ signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature Mary L. Stahlke

(SEAL)

