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02-15-2000

ASSIGNMENT R
-P



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jc675 U.S. PTO
09/484189
01/18/00

To: Honorable Commissioner of Patents and Trademarks:

Please record the attached original document or copy thereof.

1. Name of conveying parties
- a) Feisal Daruwalla
 - b) James R. Forster
 - c) Guenter E. Roeck
 - d) Richard M. Woundy
 - e) Michael A. Thomas

2. Name and address of receiving party:
- a) Name: Cisco Technology, Inc.
 - Address: 170 West Tasman Drive
San Jose, CA 95134-1706

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 Date: 12/21/99; 12/22/99; 12/21/99; 1/3/00; 1/10/00

4. Application Number(s) or Patent Number(s): To Be Assigned

09/484189

The title of the new application is: **Routing Protocol Based Redundancy Design for Shared-Access Networks**

5. Please send all correspondence concerning this document to:

Customer Number: 022434
BEYER & WEAVER, LLP
P.O. Box 61059
Palo Alto, CA 94306
Telephone (650) 493-2100
Fax (650) 493-2102



22434

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. CISCP115)

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.

Date: January 18, 2000

Jeffrey K. Weaver
Registration No. 31,314

02/14/2000 JSHWBAZZ 00000153 09484189

01 FC:561

(40.00 DP)

Attorney Docket No.

(Revised 01/96)

PATENT
REEL: 010542 FRAME: 0156

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:

ROUTING PROTOCOL BASED REDUNDANCY DESIGN FOR SHARED-ACCESS NETWORKS

(Atty. Docket No. CISCP115/1434) 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: [Signature] Date: 12/21/99
Typed Name: Feisal Daruwalla

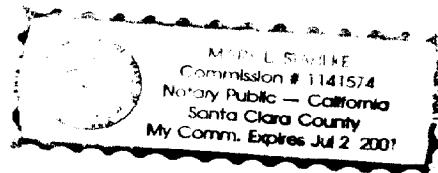
County of Santa Clara)
State of California) ss.

On this 21st day of December, in the year 1999, before me, [Signature], I, Feisal Daruwalla, personally appeared Feisal Daruwalla, 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 [Signature]

(SEAL)



2) Signature: James R. Forster
Typed Name: James R. Forster

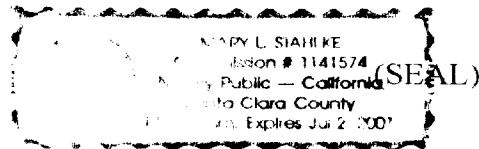
Date: 12/22/99

County of Santa Clara)
State of California) ss.

On this 23rd day of December, in the year 1999, before me, MARY L. STAHLKE, personally appeared James R. Forster, 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



3) Signature: Guenter E. Roeck
Typed Name: Guenter E. Roeck

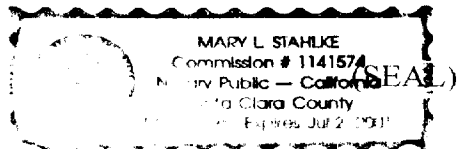
Date: 12/21/99

County of Santa Clara)
State of California) ss.

On this 21st day of December, in the year 1999, before me, MARY L. STAHLKE, personally appeared Guenter E. Roeck, 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



4) Signature: _____
Typed Name: Richard M. Woundy

Date: _____

County of _____)
State of _____) ss.

On this _____ day of _____, in the year _____, before me, _____, personally appeared Richard M. Woundy, 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 _____

(SEAL)

2) Signature: _____ Date: _____
Typed Name: James R. Forster

County of _____,)
) ss.
State of _____.)

On this _____ day of _____, in the year 1999, before me, _____, personally appeared James R. Forster, 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 _____ (SEAL)

3) Signature: _____ Date: _____
Typed Name: Guenter E. Roeck

County of _____,)
) ss.
State of _____.)

On this _____ day of _____, in the year 1999, before me, _____, personally appeared Guenter E. Roeck, 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 _____ (SEAL)

4) Signature: Richard M. Woundy Date: 1/3/2000
Typed Name: Richard M. Woundy

County of Middlesex,)
) ss.
State of Massachusetts.)

On this 3rd day of January, in the year 2000, before me, MARGARET A. MILLS, personally appeared Richard M. Woundy, 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 Margaret A. Mills (SEAL)

5)

Signature: _____

Typed Name: Michael A. Thomas

Date: _____

1/10/00 (initials)

County of Santa Clara)
State of California) ss.

On this 10th day of January, in the year 2000, before me, Mary L. Stahlke personally appeared Michael A. Thomas, 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 authorized capacity(ies), and that by his 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 _____

(SEAL)

