

3-18-03 ASSIGNMENT

04-01-2003



102405936

EET

1032 U.S. PTO
10/390813
03/18/03

To: Honorable Commissioner of Patents and Trademarks:
Please record the attached original document(s) or copy thereof.

1. Name of conveying party(ies)
 - a) THOMAS ERIC RYLE
 - b) GANESH SUNDARAM
 - c) HITESH AMIN
 - d) VIKRAM DEVDAS
 - e) JOHN DIAB
 - f) FUCHUN JIANG
 - g) CHARLES ALLEN CARRIKER, JR.
 - h) MARC ALAN BENNETT

2. Name and address of receiving party(ies):
 - a) Name: CISCO TECHNOLOGY, INC.
 - b) Address: 170 W. TASMAN DRIVE, SAN JOSE, CA 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: February 28, March 3 and 10, 2003

4. Application Number(s) or Patent Number(s): Unassigned

The title of the (new) application is:

METHOD AND SYSTEM FOR EMULATING A FIBRE CHANNEL LINK OVER A SONET/SDH PATH

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

Customer No. 26541
Ritter, Lang & Kaplan LLP
12930 Saratoga Ave., Suite D1
Saratoga, CA 95070
(408) 446-8690 (PH)
(408) 446-8691 (FX)

10390813

6. Total number of applications and patents involved: 1
7. Total fee (37 CFR 3.41): \$40.00
 - Enclosed
 - Any deficiencies are hereby authorized to be charged to Deposit Account No. 50-1652 (Order No. CISC811)
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: March 18, 2003

Gary T. Alka
Registration No. 29,038

03/25/2003 MANMED1 00000030 10390813

04 FC:8021

40.00 OP

Attorney Docket No. CISC811

(Revised 01/96)

PATENT
REEL: 013891 FRAME: 0756

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 SYSTEM FOR EMULATING A FIBRE CHANNEL LINK OVER A SONET/SDH PATH

(Atty. Docket No.: CISC811) 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 W. TASMAN DRIVE, SAN JOSE, CA 95134**, (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 and 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.

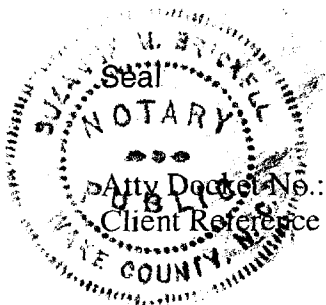
1) Signature: Thomas Eric Ryle Date: 2/28/2003
 Typed Name: **THOMAS ERIC RYLE**

State of North Carolina)
 County of Wake)

SS:

Before me personally appeared said Thomas Eric Ryle
 and acknowledged the foregoing instrument to be his/her free act and deed this
28th day of February, 2003.

[Signature]
 (Notary Public)



Atty Docket No.: CISC811
 Client Reference No. 6751

My Commission Expires 6-15-2003

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 SYSTEM FOR EMULATING A FIBRE CHANNEL LINK OVER A SONET/SDH PATH

(Atty. Docket No.: CISC811) 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:

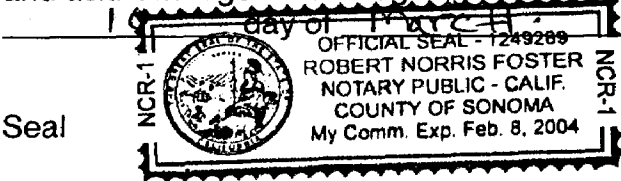
- 1) Sell(s), assign(s) and transfer(s) to **CISCO TECHNOLOGY, INC**, a **CALIFORNIA** corporation having a place of business at **170 W. TASMAN DRIVE, SAN JOSE, CA 95134**, (hereinafter referred to as "ASSIGNEE"), the entire right title and interest in any and all improvements and inventions disclosed 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, to perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative and 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.

1) Signature: _____ Date: _____
 Typed Name: **THOMAS ERIC RYLE**

State of California)
 County of Sonoma) SS:

Before me personally appeared said GANESH Sundaram
 and acknowledged the foregoing instrument to be his/her free act and deed this

1 day of MARCH, 2003.



Robert Norris Foster
 (Notary Public)

Atty Docket No.: CISC811
 Client Reference No. 6751

1

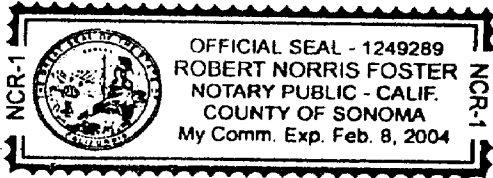
2) Signature: Ganesh Sundaram
Typed Name: **GANESH SUNDARAM**

Date: 3/10/03

State of Calif)
County of Sonoma) SS:

Before me personally appeared said Hitesh Amin
and acknowledged the foregoing instrument to be his/her free act and deed this
10 day of March, 2003.

Seal



Robert Norris Foster
(Notary Public)

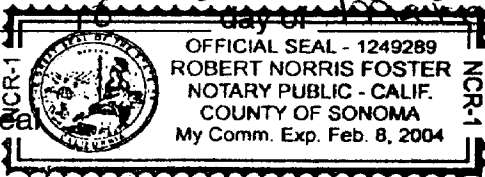
3) Signature: Hitesh Amin
Typed Name: **HITESH AMIN**

Date: 3/10/03

State of Calif)
County of Sonoma) SS:

Before me personally appeared said Vikram Devdas
and acknowledged the foregoing instrument to be his/her free act and deed this
10 day of March, 2003.

Seal



Robert Norris Foster
(Notary Public)

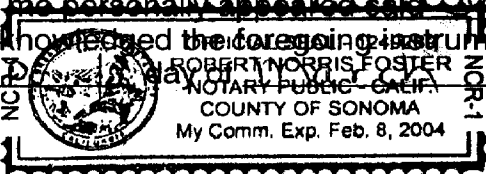
4) Signature: Vikram Devdas
Typed Name: **VIKRAM DEVDAS**

Date: 3/10/03

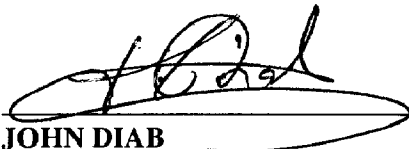
State of Calif)
County of Sonoma) SS:

Before me personally appeared said John Orab
and acknowledged the foregoing instrument to be his/her free act and deed this
10 day of March, 2003.

Seal



Robert Norris Foster
(Notary Public)

5) Signature: 
Typed Name: JOHN DIAB

Date: 3/10/03

State of _____)
County of _____) SS:

Before me personally appeared said _____
and acknowledged the foregoing instrument to be his/her free act and deed this
_____ day of _____, 2003.

Seal _____ (Notary Public)

6) Signature: _____
Typed Name: FUCHUN JIANG

Date: _____

State of _____)
County of _____) SS:

Before me personally appeared said _____
and acknowledged the foregoing instrument to be his/her free act and deed this
_____ day of _____, 2003.

Seal _____ (Notary Public)

7) Signature: _____
Typed Name: CHARLES ALLEN CARRIKER, JR.

Date: _____

State of _____)
County of _____) SS:

Before me personally appeared said _____
and acknowledged the foregoing instrument to be his/her free act and deed this
_____ day of _____, 2003.

Seal _____ (Notary Public)

5) Signature: _____
Typed Name: JOHN DIAB

Date: _____

State of North Carolina)

SS:

County of Wake)

Before me personally appeared said _____
and acknowledged the foregoing instrument to be his/her free act and deed this
_____ day of _____, 2003.

Seal

(Notary Public)

[Handwritten Signature]

6) Signature: _____
Typed Name: FUCHUN JIANG

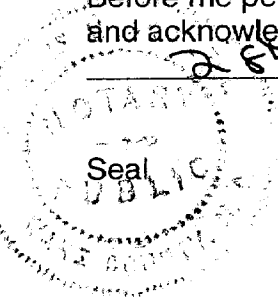
Date: 2-28-2003

State of North Carolina)

SS:

County of Wake)

Before me personally appeared said Fuchun Jiang
and acknowledged the foregoing instrument to be his/her free act and deed this
28th day of February, 2003.



My Commission Expires 6-15-2003

[Handwritten Signature]
(Notary Public)

7) Signature: _____
Typed Name: CHARLES ALLEN CARRIKER, JR.

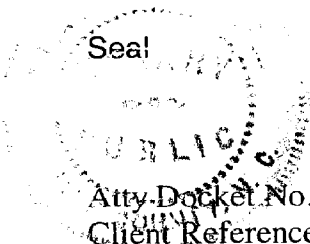
Date: 2-28-2003

State of North Carolina)

SS:

County of Wake)

Before me personally appeared said Charles Allen Carriker, Jr.
and acknowledged the foregoing instrument to be his/her free act and deed this
28th day of February, 2003.



[Handwritten Signature]
(Notary Public)

My Commission Expires 6-15-2003

8) Signature: [Handwritten Signature]
Typed Name: **MARC ALAN BENNETT**

Date: 3/3/03

State of Texas)

SS:

County of Travis)

Before me personally appeared said _____
and acknowledged the foregoing instrument to be his/her free act and deed this
3 day of March, 2003.

Seal

[Handwritten Signature: Norma L DeHaro]
(Notary Public)
Norma L DeHaro