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**ER SHEET** 

6.28.99

To: Honorable Commissioner of Patents and Trademarks:

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

- 1. Name of conveying party(ies)
  - a) Vincent K. Jones
  - b) Gregory G. Raleigh
  - c) David P. Bokaie
  - d) Joseph Middleton
  - e) Ali Raissinia
- 2. Name and address of receiving party(ies):
  - a) Name:

Cisco Technology, Inc.

b) Address:

170 W. Tasman Drive

San Jose, CA 95134-1706

3.	Nature of	conveyance

Assignment

Merger

Security Agreement

Change of Name

Other \_\_\_\_\_ License Agreement

**Execution Date:** 

4. Application Number(s) or Patent Number(s): 09/287,212

The title of the (new) application is:

## ARQ FOR POINT TO POINT LINKS

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

Customer No. 21912 Ritter, Van Pelt & Yi LLP 4906 El Camino Real, Suite 205 Los Altos, CA 94022 (650) 903-3500 (PH) (650) 903-3501 (FX)

- 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. 50-0685 (Order No. CISCP715)

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:

June 24, 1999

06/30/1999 NTHAI1

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40.00 OP

-Attorney Docket No. CISCP615

Dan H. Lang

Registration No. 38,531

## ASSIGNMENT OF PATENT APPLICATION

(Not Accompanying Application)

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

## ARQ FOR POINT TO POINT LINKS

for which I (we) have executed an application for a United States Letters Patent which was filed in the U.S. Patent and Trademark Office on April 5, 1999, and which bears the Application No. 09/287,212.

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

- Sell(s), assign(s) and transfer(s) to <u>Cisco Technology</u>, <u>Inc.</u> a California corporation having a place of business at 170 W. 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). Signature: 1) Typed Name: Signature: 2) Typed Name: G. Raleigh 3) Signature: David P. Bokaie Typed Name: 4) Signature: Typed Name: Joseph Middleton Date: 5) Signature: Typed Name: Ali Raissinia

Atty Dkt. No. CISCP615

State of California  County of SANTA CLARA	ss.
On 6/16/99 before me.	MATT CERPULI
personally appeared VINCENT KNA	MATT CERRUHI, onles Jones IV signer(s)
MATT CERRUTI Comm. # 1153636 NOTARY PUBLIC - CALIFORNIA Santa Clara County My Comm. Expires Aug. 30, 2001	proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.
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On 6/16/99 before me, personally appeared ALI RAISS	MATT CERRUTI, (NOTARY) SIGNER(S)
MATT CERRUTI Comm. # 1153636 NOTARY PUBLIC - CALIFORNIA Santa Clara County My Comm. Expires Aug. 30, 2001	proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.
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State of California  County of SANTA CLARA  On 6/16/99 before me, personally appeared David P. 6	BOKALE  SIGNER(S)
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