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U.S. DEPARTMENT OF COMMERCE  
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2003 FEB 24 AM 10:32

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  
**Neil King**  
**2.24.03**  
Additional name(s) of conveying party(ies) attached?  
 No  Yes

2. Name and address of receiving party(ies):  
Name: Cisco Technology, Inc  
A Corporation of California  
Internal Address: \_\_\_\_\_  
Street Address: 170 West Tasman Drive  
City: San Jose State/Province: California Zip: 95134  
Country: United States of America  
Additional name(s) & address(es) attached?  Yes  No

3. Nature of Conveyance  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other:  
Execution Date(s): 02.14.2003

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: \_\_\_\_\_  
A. Patent Application No.(s): 09/295,680  
Additional numbers attached?  Yes  No

B. Patent No.(s)  
6. Total number of applications and patents involved:  1

5. Name and address of party to whom correspondence concerning document should be mailed:  
Lester J. Vincent, Reg. No. 31,460  
Name: Blakely, Sokoloff, Taylor & Zafman LLP  
Internal Address: \_\_\_\_\_  
Street Address: 12400 Wilshire Boulevard, 7<sup>th</sup> Floor  
City: Los Angeles State: California Zip: 90025

7. Total Fee (37 CFR 3.41).....\$40.00  
 Enclosed  
 Authorized to be charged to deposit account  
8. Deposit Account Number:  
02-2666  
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9. Statement and signature.  
*To the best of my knowledge and believe, the foregoing is true and correct and any attached copy is a true copy of the original document*

Lester J. Vincent, Reg. No. 31,460  February 18, 2003  
Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments, and document:  3

Mail documents to be recorded with required cover sheet information to:  
Assistant Commissioner of Patents, Box Assignments  
Washington, D.C. 20231

Atty Docket No.: 81862P117

02/26/2003 MUELLER 00000156 09295680  
01 40.00 OP

PATENT  
REEL: 013778 FRAME: 0645

No.: 81862P117 (For Execution After Filing Patent Application)

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we  
the undersigned, Onchuen D. Lau, Frank Chui, Gene Chui, Gary Kipnis, Gurmohan Samrao,  
and Neil King

hereby sell, assign, and transfer to Cisco Technology, Inc.  
a corporation of California, having a principal place of business at  
170 West Tasman Drive, San Jose, California 95134, ("Assignee"),  
and its successors, assigns, and legal representatives, the entire right, title, and interest for the  
United States and all foreign countries, in and to any and all improvements that are disclosed in  
the application for the United States patent that was filed April 21, 1999 and assigned  
Application No. 09/295,680 entitled

MULTICHANNEL ALIGNMENT CIRCUIT AND METHOD

and in and to said application and all divisional applications, continuation applications,  
continued prosecution applications, continuation-in-part applications, substitute applications,  
renewal applications, reissue applications, reexaminations, extensions, and all other patent  
applications that have been or shall be filed in the United States and all foreign countries on  
any of said improvements; and in and to all original patents, reissued patents, reexamination  
certificates, and extensions that have been or shall be issued in the United States and all  
foreign countries on said improvements; and in and to all rights of priority resulting from the  
filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said  
improvements in its own name; and that, when requested, without charge to, but at the  
expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in  
good faith the intent and purpose of this Assignment, the undersigned will execute all divisional  
applications, continuation applications, continued prosecution applications, continuation-in-part  
applications, substitute applications, renewal applications, reissue applications, reexaminations,  
extensions, and all other patent applications on any and all said improvements; execute all  
rightful oaths, assignments, powers of attorney, and other papers; communicate to said  
Assignee, its successors, assigns, and representatives all facts known to the undersigned  
relating to said improvements and the history thereof; and generally assist said Assignee, its  
successors, assigns, or representatives in securing and maintaining proper patent protection  
for said improvements and for vesting title to said improvements, and all applications for  
patents and all patents on said improvements, in said Assignee, its successors, assigns, and  
legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no  
assignment, grant, mortgage, license, or other agreement affecting the rights and property  
herein conveyed has been made to others by the undersigned, and that full right to convey the  
same as herein expressed is possessed by the undersigned.

Date: \_\_\_\_\_, 20 \_\_\_\_\_ Name: Onchuen D. Lau  
 Date: \_\_\_\_\_, 20 \_\_\_\_\_ Name: Frank Chui  
 Date: \_\_\_\_\_, 20 \_\_\_\_\_ Name: Gene Chui  
 Date: \_\_\_\_\_, 20 \_\_\_\_\_ Name: Gary Kipnis  
 Date: \_\_\_\_\_, 20 \_\_\_\_\_ Name: Gurmohan Samrao  
 Date: February 14, 20 03 Neil King  
 Name: Neil King

State of: California }  
 County of: Santa Clara } SS. Assignment Document Return Address:  
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP  
 12400 Wilshire Blvd., Seventh Floor  
 Los Angeles, California 90025-1026  
 (408) 720-8598

On this 14 day of February, 2003, before me, Elza Clark,  
 the undersigned Notary Public, personally appeared Neil King

personally known to me  proved to me on the basis of satisfactory evidence to  
 be the person(s) whose name(s) subscribed to the within instrument, and  
 acknowledged that executed it.  
 WITNESS my hand and official seal.

Elza Clark  
 Notary's Signature

