02-2	4-2000			
OMD NO. 0651-0011 exp. 5/31/2002)	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office			
To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.				
Name of conveying party(ies):	Name and address of receiving party(ies):			
Onchuen D. Lau, Frank Chui, Gene Chui,	Name: Cisco Technology, Inc			
Gary Kipnis, Gurmohan Samrao	A Corporation of California			
Additional name(s) of conveying party(ies) attached? ■ No □Yes	Internal Address:			
3. Nature of Conveyance 2 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3	Street Address: 170 West Tasman Drive			
☐ Security Agreement ☐ Change of Name	City: San Jose State/Provence: California Zip: 95134			
☐ Other:	Country: United States of America			
Execution Date(s): <u>02.10.2003</u> ; <u>02.07.2003</u> ; <u>02.07.2003</u> ; <u>02.07.2003</u> ; <u>and 02.10.2003</u>	Additional name(s) & address(es) attached?			
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	B. Patent No.(s)			
Additional numbers attached?				
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1			
Lester J. Vincent, Reg. No. 31,460				
Name: Blakely, Sokoloff, Taylor & Zafman LLP	7. Total Fee (37 CFR 3.41)\$40.00			
Internal Address:	EnclosedAuthorized to be charged to deposit account			
Street Address: 12400 Wilshire Boulevard, 7 th Floor City: Los Angeles State: California Zip: 90025	Deposit Account Number:			
City. Los Angeles State. Camorina 2p. 90025	02-2666			
	(Attach duplicate copy of this page if paying by deposit account)			
DO NOT U	SE THIS SPACE			
Statement and signature. To the best of my knowledge and believe, the foregoing is true a document	and correct and any attached copy is a true copy of the original			
Lester J. Vincent, Reg. No. 31,460 Name of Person Signing Total number of pages including cov	nature Date			

Mail documents to be recorded with required cover sheet information to:
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Washington, D.C. 20231

Atty Docket No.: 81862P117

02/25/2003 ECROPER 00000018 09925680 01 FC:8021 40. SECTION

7: 21 CTION

PATENT REEL: 013765 FRAME: 0846 =-Attorney's Docket

ASSIGNMENT

PATENT

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 <u>California</u> , 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.

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Rev. 01/01/2000 (A2)

REEL: 013765 FRAME: 0847

Date: 2/10,	20 <u>63</u>	Name: Onchuen D. Lau		
Date: Feb. 7	20 <u>03</u>	Name: Frank Chui		
Date: <u>2/٦/٢٠</u> ٥٦,		Name: Gene Chui		
Date: $\frac{2}{7}/03$	20	Name: Gary Kipnis	\mathcal{Q}	
Date: $\frac{2/10/03}{}$	20	Name: Gurmohan Samrao	02	
Date:,	20	Name: Neil King		
State of:} County of:}	12 Lo	ssignment Document Return A AKELY, SOKOLOFF, TAYLO 2400 Wilshire Blvd., Seventh F os Angeles, California 90025- 08) 720-8598	Floor	
On this day of 20, before me,, the undersigned Notary Public, personally appeared				
[_] 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.				

Rev. 01/01/2000 (A2)

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Notary's Signature