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Sheet 1 of 2

FORM PTO 1595		MI III III III II	I ISIN BIRBI (IRBI MERS INTO A	.S. DEPARTMENT	OF COMMERCE	
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To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof. 1. Name and Address of Conveying Party(ies) INDIVIDUAL; 2. Name and Address of receiving Party(ies):						
1. Name and Address of Conveying Party(les) INDIVIDUAL	2.	Name and Address of	receiving Party(les):	o =	
Hugh (nmi) Barrass 2095 Stratford Drive	128	0	Name:	Cisco Technology, Inc.	53 153	
Milpitas, Santa Clara County, California (8/27/01)	5035	l	Internal Address:	170 West Tasman Drive	<u>3</u> .€	
Individual Citizenship: United Kingdom			Street Address:	170 West Tasman Drive	10/1	
Additional name(s) of conveying party(ies) attached?		City: State:	San Jose California Zip:	₽ 9 5134	
3. Nature of conveyance:			State.	Camornia Zip.	73134	
X Assignment Security Agreement Other Execution Dates: 12/21/2001; 12/23/2001	Merger Change of Name		Additional name(s) & Address(es) attached?	Yes	X No	
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: 12/21/2001; 12/23/2001						
A. Patent Application No.(s):			B. Patent No.(s):	,		
			Additional Number	ers Yes	No	
5. Name and address of party to whom corres	nondence concerr	ning 6.	Total number of applic	ation and natants involved	d. One	
document should be mailed to:		ing o.	6. Total number of application and patents involved: One			
		7.	Total Fee (37C.F.R. 3.4	41): \$40.00		
Name: Barton E. Showalter				,		
Internal Address: BAKER BOTTS L.I			X Enclosed			
Street Address: 2001 Ross Avenue,	Suite 600		Authorized to	o be charged to deposit ac	count	
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State: Texas Z	ip 75201-29	80 8.	Deposit Account Number	ber:		
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9. Statement and signature.						
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.						
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Chad C. Walters	bacel	1 JAR	\leq	December 28, 2001		
Old C. Walters	Signature			Date		
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burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20231, and to the						

FORM PTO-1595 ATTACHMENT

1. Name of Conveying Parties - Continued - ALL INDIVIDUALS

David A. Schwartz 2175 Cowper Street Palo alto, California 94301 Santa Clara County Citizenship: United States of America

ASSIGNMENT

WHEREAS, I, the undersigned inventor (or one of the undersigned joint inventors), of residence as listed, having invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made, said application having been executed on the date set forth below; and

WHEREAS, Cisco Technology, Inc. (hereinafter referred to as "Assignee"), a California Corporation, with an address of 170 West Tasman Drive, San Jose, California 95134, desires to acquire my entire right, title and interest in and to the invention, and in and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I assign to Assignee, all right, title and interest in and to said invention and in and to said application and all patents which may be granted therefor, and all divisions, reissues, continuations, continuations-in-part and extensions thereof; and I hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as my interest is concerned, to Assignee.

I also assign to Assignee, all right, title and interest to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world including all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and I further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title and interest in Assignee.

I will communicate to Assignee any facts known to me respecting any improvements; and, at the expense of Assignee, I will testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, make lawful oaths and declarations, and generally do everything possible to vest title in Assignee and to aid Assignee to obtain and enforce proper protection for said invention in all countries.

This Assignment shall be binding on the parties' successors, assigns and legal representatives.

Title of Invention:

METHOD AND SYSTEM FOR DISTRIBUTING DATA COMMUNICATIONS UTILIZING A CROSSBAR SWITCH

Signature of Inventor:

Inventor's Name:

Residence (City, County, State)

Date:

Date Application Executed:

Housen.

Hugh (nmi) Barrass

Milpitas, Santa Clara County, California

12/21/2001

Signature of Inventor: Inventor's Name:

Residence (City, County, State)

Date:

Date Application Executed:

When A Schnat

David A. Schwartz

Palo Alto, Santa Clara County, California

12/23/2001

12/23/2001

PATENT REEL: 012436 FRAME: 0418

RECORDED: 12/28/2001