09-21-1998



IEET U.S. DEPARTMENT OF COMMERCE FORM PTO-159 Patent and Trademark Office 1-31-92 100834932. Docket No.: 50325-034 To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereto: 2. Name and address of receiving party(ies): 1. Name of Conveying Party(ies): Andrew H. West Name: Cisco Technology, Inc. Internal Address: Additional name(s) of conveying party(ies) attached? Yes 3. Nature of Conveyance: Street Address: 170 West Tasman Drive Merger ☐ Change of Name Security Agreement State/Country 95134-City: San Jose ZIP: Other 1706 Additional name(s) & address(es) attached? Yes Execution Date: 8/24/98 4. Application number(s) or patent number(s): If the document is being filed together with a new application, the execution date of the application is: B. Patent No(s). A. Patent Application No(s). Application No. 09/109,996 filed 6/30/98 Additional numbers attached? Yes 6. Total number of applications and patents involved: 5. Name and address of party to whom correspondence concerning document should be mailed: 7. Total fee (37 CFR 3.41) \$40.00 Name: McDERMOTT, WILL & EMERY Enclosed Internal Address: Authorized to be charged to deposit account Street Address: 99 Canal Center Plaza, Suite 300 8. Deposit account number: 50-0385 Zip: 22314 City: Alexandria State: DO NOT USE THIS SPACE 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 time copy of the original document. Christisher An Christopher J. Palermo, Reg. No. 42,056 Name and Registration No. of Person Signing Total number of pages comprising cover sheet: CMB No. 0851-0011 (exp. 4/94) CERTIFICATE OF MAILING I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for

Patents, Washington, DC 20231

: 9455 FRAME: 0755

Docket No.: 50325-034

ASSIGNMENT

WHEREAS WE, LEV VOLFTSUN of 2523 Fallon Drive, Herndon, VA 20171; CLAY H. NEIGHBORS of 11914 Sloane Court, Reston, VA 22091; FRED R. REDNOR of 5627 North 8th Street, Arlington, VA 22205; ANDREW HARDIE WEST of 10 Worcester Villas, Hove, East Sussex, BN3 5TB; DAVID AUERBACH of 2260 Gunsmith Square, Reston, VA 20191; and ADRIAN RICHARD KINGSTON of 14222 Lee Highway, #A18, Gainsville, VA 20155, have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled PROTOCOL CONVERSION USING CHANNEL ASSOCIATED SIGNALING, executed by us on the date of execution of this document, as shown below, and for which an application for United States Letters Patent was filed on June 30, 1998, and identified by United States Serial No. 09/109,996;

AND WHEREAS, Cisco Technology, Inc., a corporation of the State of California and having an address of 170 West Tasman Drive, San Jose, CA 95134-1706 is desirous of acquiring the entire right, title and interest in and to said invention and in and to any and all Letters Patent of the United States and foreign countries which may be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, I do hereby sell, assign, transfer and set over unto Cisco Technology, Inc., its legal representatives, successors, and assigns, the entire right, title and interest in and to said invention as set forth in the above-mentioned application, including any continuations, continuations-in-part, divisions, reissues, re-examinations or extensions thereof, and in and to any and all patents of the United States and foreign countries which may be issued for said invention;

UPON SAID CONSIDERATIONS, I hereby agree with the said assignee that I will not execute any writing or do any act whatsoever conflicting with these presents, and that I will, at any time upon request, without further or additional consideration but at the expense of said assignee, execute such additional assignments and other writings and do such additional acts as said assignee may deem necessary or desirable to perfect the assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, continuations, continuations-in-part, reexamined, reissued, or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of assignor and assignee;

AND I request the Commissioner of Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention to said Cisco Technology, Inc., its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to said patent and the invention covered thereby.

Date	Lev Volftsun	
Date	Clay H. Neighbors	
Date	Fred R. Rednor	

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	Ancust 24, 1998	1 Church	
Date		Andrew H. West	
Date		David Auerbach	
Date		Adrian R. Kingston	

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RECORDED: 09/14/1998