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Conveying Party(ies)			Execution Date	(s)
1. Trainin, Oded 2. Freund, Dov A. 3. Goren, Gil 4. 5.		12102001 12102001 12102001		
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Mark if Additional Names of Conveying Parties Attached				
Receiving Party Name Cisco Technology, Inc. Name a corporation of Califorr Address 170 W. Tasman Drive Address	nia			
Address <u>San Jose</u>	<u>CA</u>		<u>95134</u>	
City	State/Cou	•	Zip Code	
Mark if Additional Names of Receiving Parties Attached				
Correspondent Name and Address The Law Office of Kirk D. Williams (Customer No. 26327) 1234 S. Ogden St. Denver, CO 80210-1713		Telephone: 303-282-0151 Facsimile: 303-778-0748 Attorney Docket No. 12084		
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Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): \$40 Method of Payment: ☐ Enclosed is check No. in the amount of \$40 ☐ Charge Deposit Account No. 501430 in the amount of \$40 Authorization to Charge Additional Fees to Deposit Account No. 501430: ☐ Yes ☐ No				
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. Charges to deposit account are authorized, as indicated herein.				
Kirk D. Williams, Esq. (Reg. 42,229)		Will	January 7, 2002	
Name of Person Signing	Sian	ature		Date
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PATENT

REEL: 012490 FRAME: 0803

Attorney Docket No. 12084 CUSTOMER NUMBER 26327 The Law Office of Kirk D. Williams Attorney at Law 1234 S. Ogden St. Denver, CO 80210

ASSIGNMENT

Whereas, We, Oded Trainin (of Aharon Beker St. 6/23, Tel-Aviv, Israel), Dov A. Freund (of Frankfuter 12 St., Petach-Tikva, Israel), and Gil Goren (of 6/5 Rachel Hameshoreret St., Ra'anana 43591, Israel), are the joint inventors of an invention entitled "Method And Apparatus For Possibly Decreasing the Number of Associative Memory Entries by Supplementing an Associative Memory Result with Discriminator Bits from an Original Set of Information" as described and claimed in the specification forming part of an application for United States letters patent executed herewith;

WHEREAS, Cisco Technology, Inc. (hereinafter referred to as Assignee), a corporation of the State of California having a place of business at 170 W. Tasman Drive, San Jose, CA 95134 is desirous of acquiring the entire United States domestic and foreign right, title, and interest in and under the invention described in the patent application and in and to any letters patent that may be granted therefore in the United States and in any and all foreign countries, it being understood that a reference herein to "foreign" includes Israel;

Now, THEREFORE, in exchange for good and valuable considerations, the receipt and sufficiency of which are hereby acknowledged, we sell, assign and transfer to the Assignee and the Assignee's legal representatives, successors and assigns the full and exclusive rights, title and interest in and to the invention in the United States and every foreign country and the entire right, title, and interest in and to the patent application and other such applications, including, but not limited to, provisional applications, non-provisional applications, continuations, continuations-inpart, divisionals, reissues, renewals, and extensions, that may be filed in the United States and every foreign country on the invention, and the patents or extensions thereof, both foreign and domestic, that may issue thereon, including the right to file foreign applications directly in the name of Assignee and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by Assignee and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by us had this assignment, transfer and sale not been made. We do hereby authorize and request the Commissioner of Patents and Trademarks to issue United States patents on said invention to Assignee.

WE DO HEREBY COVENANT and agree with Assignee that we will not execute any writing or do any act whatsoever conflicting with the terms of this assignment document set forth herein,

METHOD AND APPARATUS FOR POSSIBLY DECREASING THE NUMBER OF ASSOCIATIVE MEMORY ENTRIES BY SUPPLEMENTING AN ASSOCIATIVE MEMORY RESULT WITH DISCRIMINATOR BITS FROM AN ORIGINAL SET OF INFORMATION

ASSIGNMENT PAGE 1 of 2

PATENT REEL: 012490 FRAME: 0804 and that we will at any time upon request, without further or additional consideration, but at the expense of the Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this assignment, and render all necessary assistance in making application for and obtaining patents of the United States and of any and all foreign countries on the invention, including, but not limited to, provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, renewals, and extensions, and in enforcing any rights or choses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, including executing all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefore, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of all parties hereto.

WE have hereunder set our hands on the dates shown below.

Date_	10-000-2001	5 1.36
		ODED TRAININ
Date_	ic pec 2001	Dov A. Freund
Date_	10 DEC 01	GIL GOREN

METHOD AND APPARATUS FOR POSSIBLY DECREASING THE NUMBER OF ASSOCIATIVE MEMORY ENTRIES BY SUPPLEMENTING AN ASSOCIATIVE MEMORY RESULT WITH DISCRIMINATOR BITS FROM AN ORIGINAL SET OF INFORMATION

Assignment Page 2 of 2

RECORDED: 01/07/2002

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