

11-15-2002



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PATENT

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- New
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- Document ID #
- Correction of PTO Error
- Reel # Frame #
- Corrective Document
- Reel # Frame #

Conveyance Type

- Assignment
- License
- Merger
- Security Agreement
- Change of Name
- Other:

J1046 U.S. PTO  
10/286007

11/01/02

Conveying Party(ies)

- |                  |                   |
|------------------|-------------------|
| 1. Oren, Eyal    | Execution Date(s) |
| 2. Trainin, Oded | 10282002          |
| 3. Goren, Gil    | 10292002          |
| 4.               | 10312002          |
| 5.               |                   |
| 6.               |                   |

Mark if Additional Names of Conveying Parties Attached

Receiving Party

Name Cisco Technology, Inc.  
 Name a corporation of California  
 Address 170 W. Tasman Drive  
 Address  
 Address San Jose CA 95134  
 City State/Country Zip Code

Mark if Additional Names of Receiving Parties Attached

Correspondent Name and Address

The Law Office of Kirk D. Williams (Customer No. 26327)  
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 Denver, CO 80210-1713

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 Attorney Docket No. 21738

Pages Enter the total number of pages of the attached conveyance document including any attachments: 4

Application Number(s) or Patent Number(s)  Mark if additional numbers attached  
 Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Numbers

Patent Numbers

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor. Month Day Year  
 10282002

Patent Cooperation Treaty (PCT)

Enter PCT application number only if a U.S. Application Number has not been assigned.

PCT	PCT	PCT
PCT	PCT	PCT

Number of Properties Enter the total number of properties involved: 1

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 attached is a true copy of the original document or the original itself. Charges to deposit account are authorized, as indicated herein.

Kirk D. Williams, Esq. (Reg. 42,229)		November 1, 2002
Name of Person Signing	Signature	Date

11/14/2002 6TON11 00000134 501430 10286007  
 01 FC:8021 40.00 CH

PATENT  
REEL: 013477 FRAME: 0269

## ASSIGNMENT

**WHEREAS, WE, EYAL OREN (OF 9TH URI ZVI GRINBERG ST., TEL AVIV, 69379, ISRAEL), ODED TRAININ (OF AHARON BEKER ST. 6/23, TEL-AVIV, ISRAEL) AND GIL GOREN (OF 11 ROME WAY, ASHLAND, MA 01721),** are the joint inventors of an invention entitled "METHODS AND APPARATUS FOR GENERATING A RESULT BASED ON A LOOKUP RESULT FROM A LOOKUP OPERATION USING AN ASSOCIATIVE MEMORY AND PROCESSING BASED ON A DISCRIMINATOR PORTION OF A LOOKUP WORD" 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-in-part, 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.

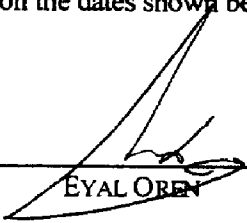
**WE DO HEREBY COVENANT** and agree with Assignee that we will not execute any writing or do any act whatsoever conflicting with the terms of this assignment document set forth herein, and that we

METHODS AND APPARATUS FOR GENERATING A RESULT BASED ON A LOOKUP RESULT FROM A LOOKUP OPERATION USING AN ASSOCIATIVE MEMORY AND PROCESSING BASED ON A DISCRIMINATOR PORTION OF A LOOKUP WORD  
ASSIGNMENT PAGE 1 of 2

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 Oct 28<sup>th</sup> 2002

  
EYAL OREN

Date 29. Oct - 2002

  
ODED TRAININ

Date \_\_\_\_\_

\_\_\_\_\_  
GIL GOREN

## ASSIGNMENT

**WHEREAS, WE, EYAL OREN (OF 9TH URI ZVI GRINBERG ST., TEL AVIV, 69379, ISRAEL), ODED TRAININ (OF AHARON BEKER ST. 6/23, TEL-AVIV, ISRAEL) AND GIL GOREN (OF 11 ROME WAY, ASHLAND, MA 01721),** are the joint inventors of an invention entitled "METHODS AND APPARATUS FOR GENERATING A RESULT BASED ON A LOOKUP RESULT FROM A LOOKUP OPERATION USING AN ASSOCIATIVE MEMORY AND PROCESSING BASED ON A DISCRIMINATOR PORTION OF A LOOKUP WORD" 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-in-part, 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.

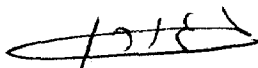
**WE DO HEREBY COVENANT** and agree with Assignee that we will not execute any writing or do any act whatsoever conflicting with the terms of this assignment document set forth herein, and that we will at any time upon request, without further or additional consideration, but at the expense of the Assignee, 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 \_\_\_\_\_  
\_\_\_\_\_ EYAL OREN

Date \_\_\_\_\_  
\_\_\_\_\_ ODED TRAININ

Date 10/31/02  
\_\_\_\_\_   
GIL GOREN