

08-20-2002

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PATENT

TO: The Commissioner of Patents and Trademarks

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- Reel # _____ Frame # _____
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8-10-02

Conveyance Type

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

10/215719
U.S. PTO
08/10/02

Conveying Party(ies)

1. Eatherton, William N.
2. Lee, Jaushin
3. Priyadarshan, Bangalore L.
4. Warkhede, Priyank Ramesh
5. Ertemalp, Fusun
6. Holbrook, Hugh Weber

Execution Date(s)

- 08082002
- 08072002
- 08072002
- 08072002
- 08072002
- 08072002

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
City State/Country

10/215719

95134
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. 81689

Pages Enter the total number of pages of the attached conveyance document including any attachments: **5**

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
08082002

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 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)

August 10, 2002

Name of Person Signing

Signature

Date

08/19/2002 6TOM11 00000141 501430 10215719
01 FC:561 40.00 CH

PATENT
REEL: 013198 FRAME: 0779

ASSIGNMENT

WHEREAS, WE, WILLIAM N. EATHERTON (OF 1266 HICKERSON COURT, SAN JOSE, CA 95127), **JAUSHIN LEE** (OF 19869 LANARK LANDE, SARATOGA, CA 95070), **BANGALORE L. PRIYADARSHAN** (OF 4177 POLONIUS CIRCLE, FREMONT, CA 94555), **PRIYANK RAMESH WARKHEDE** (OF 4355 RENAISSANCE DR. 201, SAN JOSE, CA 95134), **FUSUN ERTEMALP** (OF 491 CLAREMONT WAY, MENLO PARK, CA 94025), AND **HUGH WEBER HOLBROOK** (OF 85 BUENA VISTA TERRACE, SAN FRANCISCO, CA 94117), are the joint inventors of an invention entitled "PERFORMING LOOKUP OPERATIONS USING ASSOCIATIVE MEMORIES OPTIONALLY INCLUDING MODIFYING A SEARCH KEY IN GENERATING A LOOKUP WORD AND POSSIBLY FORCING A NO-HIT INDICATION IN RESPONSE TO MATCHING A PARTICULAR ENTRY" 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;

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.

PERFORMING LOOKUP OPERATIONS USING ASSOCIATIVE MEMORIES
OPTIONALLY INCLUDING MODIFYING A SEARCH KEY IN GENERATING A LOOKUP WORD AND
POSSIBLY FORCING A NO-HIT INDICATION IN RESPONSE TO MATCHING A PARTICULAR ENTRY
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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 Aug 8th, 2002

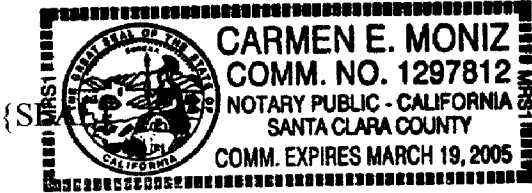
William N. Eatherton
WILLIAM N. EATHERTON

STATE OF California)
COUNTY OF Santa Clara) SS:

On this 8th day of August, 2002, before me, a Notary Public in and for said county, appeared William N. Eatherton, who is personally known to me to be the same person whose name is subscribed to the foregoing assignment document, and acknowledged that ~~he~~ she signed and delivered the document as ~~his~~ her free and voluntary act for the uses and purposes therein set forth.

Carmen E. Moniz
Notary Public

My Commission Expires: March 19, 2005

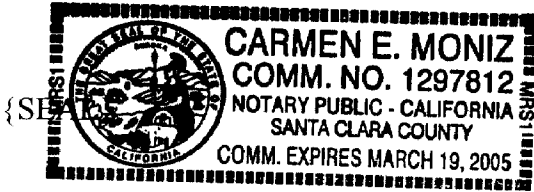


Date 8/7/2002

Jaushin Lee
JAUSHIN LEE

STATE OF California)
COUNTY OF Santa Clara) SS:

On this 7th day of August, 2002, before me, a Notary Public in and for said county, appeared Jaushin Lee, who is personally known to me to be the same person whose name is subscribed to the foregoing assignment document, and acknowledged that he/she signed and delivered the document as his/her free and voluntary act for the uses and purposes therein set forth.



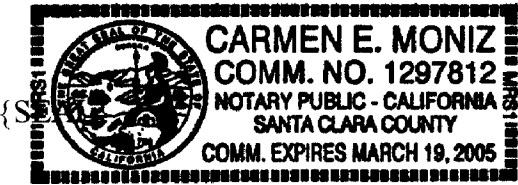
Carmen E. Moniz
Notary Public

My Commission Expires: March 19, 2005

Date Aug. 07, 2002 B. L. Priyadarshan
BANGALORE L. PRIYADARSHAN

STATE OF California)
COUNTY OF San Jose) SS:

On this 7th day of August, 2002, before me, a Notary Public in and for said county, appeared Bangalore L. Priyadarshan, who is personally known to me to be the same person whose name is subscribed to the foregoing assignment document, and acknowledged that he/she signed and delivered the document as his/her free and voluntary act for the uses and purposes therein set forth.



Carmen E. Moniz
Notary Public

My Commission Expires: March 19, 2005

Date 07 Aug. 2002

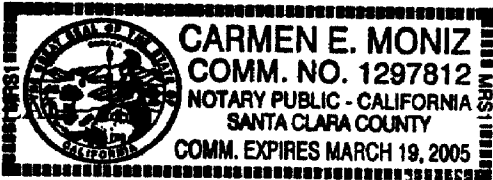
1520278
PRIYANK RAMESH WARKHEDE

STATE OF California

COUNTY OF Santa Clara

SS:

On this 7th day of August, 2002, before me, a Notary Public in and for said county, appeared Priyank Ramesh Warkhede, who is personally known to me to be the same person whose name is subscribed to the foregoing assignment document, and acknowledged that he/she signed and delivered the document as his/her free and voluntary act for the uses and purposes therein set forth.



Carmen E. Moniz
Notary Public

My Commission Expires: March 19, 2005

Date 8/7/2002

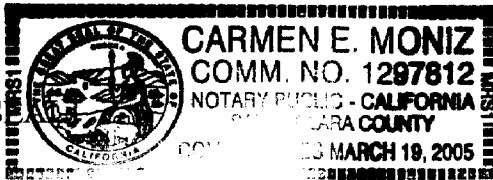
Fusun Ertemalp
FUSUN ERTEMALP

STATE OF California

COUNTY OF Santa Clara

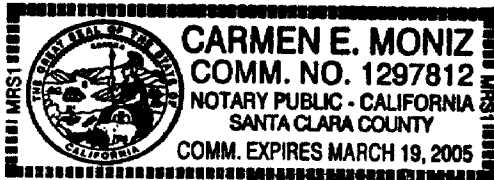
SS:

On this 7th day of August, 2002, before me, a Notary Public in and for said county, appeared Fusun Ertemalp, who is personally known to me to be the same person whose name is subscribed to the foregoing assignment document, and acknowledged that he/she signed and delivered the document as his/her free and voluntary act for the uses and purposes therein set forth.



Carmen E. Moniz
Notary Public

My Commission Expires: Notary Public
March 19, 2005



Date Aug. 7, 2002

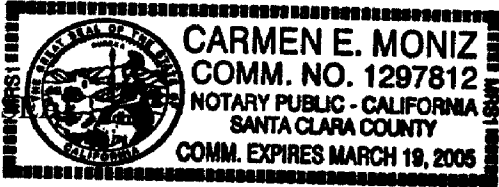
Hugh Weber Holbrook
HUGH WEBER HOLBROOK

STATE OF California)
COUNTY OF Santa Clara) SS:

On this 7th day of August, 2002, before me, a Notary Public in and for said county, appeared Hugh Weber Holbrook, who is personally known to me to be the same person whose name is subscribed to the foregoing assignment document, and acknowledged that he/she signed and delivered the document as his/her free and voluntary act for the uses and purposes therein set forth.

Carmen E. Moniz
Notary Public

My Commission Expires: March 19, 2005



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