

11-30-2004



FORM PTO-1596
1-31-92

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Docket No.: 50325-0911 (9367)

102891896
PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereto:

1. Name of Conveying Party(ies):
Pravin Singhal; Qingqing Li; Juzar Kothambawala; Parley Van Oleson; Wai Yip Tun; Sunil Potti
11.17.04
Additional name(s) of conveying party(ies) attached? Yes

2. Name and address of receiving party(ies):
Name: Cisco Technology, Inc.
Internal Address: _____
Street Address: 170 West Tasman Drive
City: San Jose State/Country CA ZIP: 95134-1706

17548 U.S. PTO
10/991792
111704

3. Nature of Conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: 11/09/04; 11/09/04; 11/09/04; 11/04/04;
11/16/04; and 11/11/04, respectively

Additional name(s) & address(es) attached? Yes

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: 11/09/04; 11/09/04; 11/09/04;
11/09/04; 11/16/04; and
11/11/04, respectively

A. Patent Application No(s).
11/23/2004 WASFAW1 00000032 10991792
04 FC:8021 40.00 OP

B. Patent No(s).

Additional numbers attached? Yes

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: Hickman Palermo Truong & Becker LLP
Internal Address: _____
Street Address: 1600 Willow Street.
City: San Jose State: CA Zip: 95125

6. Total number of applications and patents involved: 1
7. Total fee (37 CFR 3.41) \$40.00
 Enclosed
 Authorized to be charged to deposit account
8. Deposit account number:
50-1302

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 true copy of the original document.

Christian A. Nicholes, Reg. No. 50,266
Name and Registration No. of Person Signing
Signature: *Christian Nicholes*
Date: November 17, 2004

Total number of pages comprising cover sheet: 1

Express Mail No. EV596839733US

PATENT
REEL: 016017 FRAME: 0238

ASSIGNMENT

WHEREAS WE, PRAVIN SINGHAL, of Cupertino, California; QINGQING LI, of San Jose, California; JUZAR KOTHAMBAWALA, of Cupertino, California; PARLEY VAN OLESON, of San Jose, California; WAI YIP TUNG, of San Francisco, California; and SUNIL POTTI, of Castro Valley, California, have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled, executed by us on the date of execution of this document, as shown below, and filed concurrently herewith; **PERFORMING MESSAGE AND TRANSFORMATON ADAPTER FUNCTIONS IN A NETWORK ELEMENT ON BEHALF OF AN APPLICATION.**

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, We 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, We hereby agree with the said assignee that We will not execute any writing or do any act whatsoever conflicting with these presents, and that We 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 We 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.

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Date



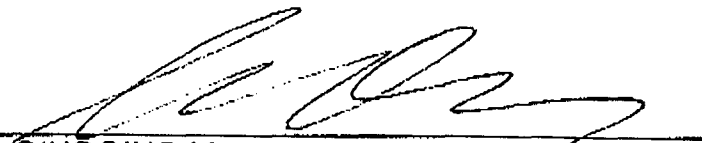
PRAVIN SINGHAL

ASSIGNMENT

Docket No. 50325-0911 (9367)

11/09/04

Date



QINGQING LI

ASSIGNMENT

Docket No. 50325-0911 (9367)

Date

11/09/2004


JUZAR KOTHAMBAWALA

ASSIGNMENT

Docket No. 50325-0911 (9367)

11/04/04

Date



PARLEY VAN OLESON

ASSIGNMENT

Docket No. 50325-0911 (9367)

1/16/04

Date



WAI YIP TUNG

ASSIGNMENT

Docket No. 50325-0911 (9367)

Date

11/11/04

SUNIL POTTI

