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11-05-2002

U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office



To the Honorable Commissioner

102271108

Send original documents or copy thereof.

1. Name of conveying party(ies): Subhojit Roy, Richard A. Walter, Cirillo L. Costantino, Naveen S. Maveli

Carlos Alonso, Michael Yiu-Wing Pong

2. Name and address of receiving party(ies) Name: Brocade Communications Systems, Inc. Internal Address: 10-30-02

Additional name(s) of conveying party(ies) attached? [] Yes [X] No

3. Nature of conveyance: [X] Assignment [] Merger [] Security Agreement [] Change of Name [] Other

Street Address: 1745 Technology Drive City: San Jose State: CA Zip: 95110

Execution Date: 10/8/2002; 10/15/2002; 10/17/2002

Additional name(s) & address(es) attached? [] Yes [X] No

4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(s) 10/209,742

B. Patent No.(s) Additional numbers attached? [] Yes [X] No

5. Name and address of party to whom correspondence concerning document should be mailed: Name: Keith Lutsch Internal Address: Wong Cabello Lutsch Rutherford & Bruculeri, PC Street Address: 20333 SH 249, Suite 600 City: Houston State: TX Zip: 77070

6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41): \$40.00 [X] Enclosed [] Authorized to be charged to deposit account 8. Deposit account number: 501922 (Attach duplicate copy of this page if paying by deposit account)

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.

Keith Lutsch Name of Person Signing

Keith Lutsch Signature

10/25/2002 Date

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11/04/2002 DE LUPELLER 00000112 10209742 Total number of pages including cover sheet, attachments, and documents:

01 FD-502 40.00 \$P Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

PATENT REEL: 013440 FRAME: 0434

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, the person(s) named below (referred to as "INVENTOR" whether singular or plural) has sold, assigned, and transferred and does hereby sell, assign, and transfer to Brocade Communications Systems, Inc., a Delaware corporation, having a place of business at 1745 Technology Drive, San Jose, California 95110 ("ASSIGNEE"), for itself and its successors, transferees, and assignees, the following:

The entire worldwide right, title, and interest in all inventions and improvements ("SUBJECT MATTER") that are disclosed in the application for United States Letters Patent entitled: HOST BUS ADAPTOR-BASED VIRTUALIZATION SWITCH ("APPLICATION"), which:

is to be filed herewith
 was filed on July 31, 2002, now bearing U.S. Serial Number 10/209,742 and for which a Declaration was executed by INVENTOR on the date(s) below; and

The entire worldwide right, title, and interest in and to (a) the APPLICATION, including any right of priority; (b) any divisional, continuation, substitute, renewal, reissue, and other related applications thereto which have been or may be filed in the United States or elsewhere in the world; and (c) patents which may be granted on the applications set forth in (a) and (b) above.

INVENTOR agrees that ASSIGNEE may apply for and receive patents for SUBJECT MATTER in ASSIGNEE's own name.

INVENTOR agrees to do the following, when requested, and without further consideration, in order to carry out the intent of this Assignment: (1) execute all oaths, assignments, powers of attorney, applications, and other papers necessary or desirable to fully secure to ASSIGNEE the rights, titles, and interests herein conveyed; (2) communicate to ASSIGNEE all known facts relating to the SUBJECT MATTER; and (3) generally do all lawful acts that ASSIGNEE shall consider desirable for securing, maintaining, and enforcing worldwide patent protection relating to the SUBJECT MATTER and for vesting in ASSIGNEE the rights, titles, and interests herein conveyed. INVENTOR further agrees to provide any successor, assign, or legal representative of ASSIGNEE with the benefits and assistance provided to ASSIGNEE hereunder.

INVENTOR represents that INVENTOR has the rights, titles, and interests to convey as set forth herein, and covenants with ASSIGNEE that the INVENTOR has made or will make hereafter no assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

Executed this 8 day of October, 2002.

Subhojit Roy (10/07/2002)
Subhojit Roy

STATE OF CALIFORNIA

COUNTY OF San Mateo

BEFORE ME, the undersigned authority, on this day personally appeared Subhojit Roy, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same for the purposes and consideration herein expressed.

GIVEN UNDER MY HAND and seal of office this 8 day of October, 2002.



Katrina M. Bayne
Notary Public in and for the
State of California

Executed this 8 day of October, 2002.

Richard A. Walter
Richard A. Walter

STATE OF CALIFORNIA

COUNTY OF San Mateo

BEFORE ME, the undersigned authority, on this day personally appeared Richard A. Walter, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same for the purposes and consideration herein expressed.

GIVEN UNDER MY HAND and seal of office this 8 day of October, 2002.



Katrina M. Bayne
Notary Public in and for the
State of California

Executed this 15 day of October, 2002.

Cirillo L. Costantino

STATE OF CALIFORNIA

COUNTY OF San Mateo

BEFORE ME, the undersigned authority, on this day personally appeared Cirillo L. Costantino, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same for the purposes and consideration herein expressed.

GIVEN UNDER MY HAND and seal of office this 15 day of October, 2002.



Katrina M. Bayne
Notary Public in and for the
State of California

Executed this 08 day of OCTOBER, 2002.

Naveen S. Maveli
Naveen S. Maveli

STATE OF CALIFORNIA

COUNTY OF San Mateo

BEFORE ME, the undersigned authority, on this day personally appeared Naveen S. Maveli, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same for the purposes and consideration herein expressed.

GIVEN UNDER MY HAND and seal of office this 8 day of October, 2002.

Katrina M. Bayne
Notary Public in and for the
State of California



Executed this 15 day of OCTOBER, 2002.

[Signature]
Carlos Alonso

STATE OF CALIFORNIA

COUNTY OF _____

BEFORE ME, the undersigned authority, on this day personally appeared Carlos Alonso, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same for the purposes and consideration herein expressed.

GIVEN UNDER MY HAND and seal of office this ____ day of _____, 2002.

Notary Public in and for the
State of California

Executed this 17 day of OCTOBER, 2002.


Michael Yiu-Wing Pong

STATE OF CALIFORNIA

COUNTY OF _____

BEFORE ME, the undersigned authority, on this day personally appeared Michael Yiu-Wing Pong, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same for the purposes and consideration herein expressed.

GIVEN UNDER MY HAND and seal of office this ____ day of _____, 2002.

Notary Public in and for the
State of California