

Form PTO-159 (Rev. 03/01)



FORM COVER SHEET PATENTS ONLY

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

102274001

OMB No. 0651-0047

Tab settings

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

1. Name of conveying party(ies): A. Feejen LIAO B. Dennis MAKISHIMA C. Howard GREEN D. Brian FORBES E. Daniel CHUNG Additional name(s) of conveying party(ies) attached? Yes No

10-30-02

2. Name and address of receiving party(ies) Name: Brocade Communications Systems, Inc. Internal Address: Street Address: 1745 Technology Drive City: San Jose State: CA Zip: 95110 Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance: Assignment Merger Security Agreement Change of Name Other Execution Date: A. 10/08/02 B. 10/17/02 C. 10/14/02 D. 10/17/02 E. 10/17/02

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) 10/208,377 B. Patent No.(s) Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed: Name: Jonathan M. Harris Internal Address: CONLEY, ROSE & TAYON, P.C. Street Address: P.O. Box 3267 City: Houston State: Texas Zip: 77253-3267

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: 03-2769 (Attach duplicate copy of this page if paying by deposit account)

RECORDS SECTION

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. Jonathan M. Harris, Reg. No. 44,144 Name of Person Signing Signature Date October 25, 2002

Total number of pages including cover sheet, attachments, and documents: 9

## 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: "**METHOD AND APPARATUS FOR TRANSPARENT COMMUNICATION BETWEEN A FIBRE CHANNEL NETWORK AND AN INFINI-BAND NETWORK**" ("APPLICATION"), which:

is to be filed herewith  
 was filed on July 30, 2002, now bearing U.S. Serial Number 10/208,377 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.

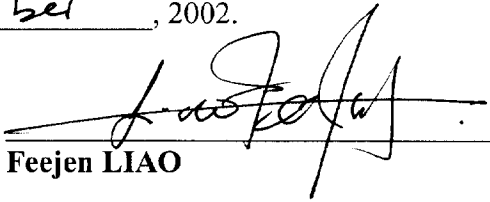
INVENTOR agrees that ASSIGNEE may apply for and receive patents for SUBJECT MATTER in ASSIGNEE's own name.

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<sup>th</sup> day of October, 2002.

  
Feejen LIAO

STATE OF CA

COUNTY OF Santa Clara

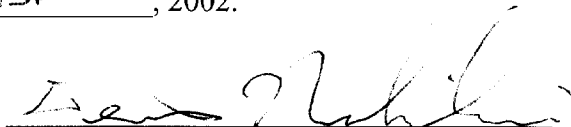
BEFORE ME, the undersigned authority, on this day personally appeared **Feejen LIAO**, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same for the purposes and consideration herein expressed.

GIVEN UNDER MY HAND and seal of office this 17 day of October, 2002.

\_\_\_\_\_  
Notary Public in and for the  
State of \_\_\_\_\_

\*\*\*\*\*

Executed this 17 day of October, 2002.

  
Dennis MAKISHIMA

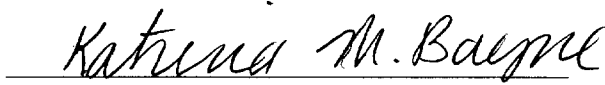
STATE OF California

COUNTY OF San Mateo

BEFORE ME, the undersigned authority, on this day personally appeared **Dennis MAKISHIMA**, 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 17 day of October, 2002.



  
Notary Public in and for the  
State of California

\*\*\*\*\*

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 2002.

SIGNED SEPARATELY

**Howard GREEN**

STATE OF \_\_\_\_\_

COUNTY OF \_\_\_\_\_

BEFORE ME, the undersigned authority, on this day personally appeared **Howard GREEN**, 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 \_\_\_\_\_

\*\*\*\*\*

Executed this 17<sup>th</sup> day of October, 2002.

Brian K. Forbes  
**Brian FORBES**

STATE OF California

COUNTY OF San Mateo

BEFORE ME, the undersigned authority, on this day personally appeared **Brian FORBES**, 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.

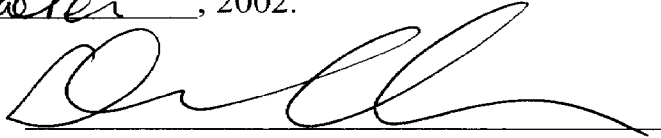
GIVEN UNDER MY HAND and seal of office this 17 day of October, 2002.

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



\*\*\*\*\*


Executed this 17 day of October, 2002.

  
**Daniel CHUNG**

STATE OF California  
COUNTY OF San Mateo

BEFORE ME, the undersigned authority, on this day personally appeared **Daniel CHUNG**, 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 17 day of October, 2002.

  
Notary Public in and for the  
State of California



## 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:

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is to be filed herewith  
 was filed on July 30, 2002, now bearing U.S. Serial Number 10/208,377 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 \_\_\_\_ day of \_\_\_\_\_, 2002.

SIGNED SEPARATELY

\_\_\_\_\_  
**Feejen LIAO**

STATE OF \_\_\_\_\_

COUNTY OF \_\_\_\_\_

BEFORE ME, the undersigned authority, on this day personally appeared **Feejen LIAO**, 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 \_\_\_\_\_

\*\*\*\*\*

Executed this \_\_\_\_ day of \_\_\_\_\_, 2002.

SIGNED SEPARATELY

\_\_\_\_\_  
**Dennis MAKISHIMA**

STATE OF \_\_\_\_\_

COUNTY OF \_\_\_\_\_

BEFORE ME, the undersigned authority, on this day personally appeared **Dennis MAKISHIMA**, 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 \_\_\_\_\_

\*\*\*\*\*

Executed this 14 day of October, 2002.

Howard Green  
Howard GREEN

STATE OF California

COUNTY OF San Diego

BEFORE ME, the undersigned authority, on this day personally appeared **Howard GREEN**, 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 14 day of October, 2002.

Melissa Weaver  
Notary Public in and for the  
State of California



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Executed this \_\_\_ day of \_\_\_\_\_, 2002.

SIGNED SEPARATELY

\_\_\_\_\_  
**Brian FORBES**

STATE OF \_\_\_\_\_

COUNTY OF \_\_\_\_\_

BEFORE ME, the undersigned authority, on this day personally appeared **Brian FORBES**, 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 \_\_\_\_\_



\*\*\*\*\*

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 2002.

SIGNED SEPARATELY  
\_\_\_\_\_  
**Daniel CHUNG**

STATE OF \_\_\_\_\_

COUNTY OF \_\_\_\_\_

BEFORE ME, the undersigned authority, on this day personally appeared **Daniel CHUNG**, 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 \_\_\_\_\_