

08-21-2002

PATENTS ONLY

PATENTS ONLY

TO



PATENTS

Please refer

102197381

or copy thereof.

1. Name of Party(ies) conveying an interest:

Tushar Shah

8-19-02

Additional name(s) of conveying party(ies) attached?

Yes No

2. Name and Address of Party(ies) receiving an interest:

Name: Caly Networks
Internal Address:
Street Address: 295 Santa Ana Court
City: Sunnyvale
State/Zip: CA 94086

Additional name(s) and addresses attached?

Yes No

3. Description of the interest conveyed:

Assignment Change of Name Other:
 Security Agreement Merger

Execution Date: August 12, 2002

4. Application number(s) or patent number(s). Additional sheet attached? Yes No

If this document is being filed together with a new application, the execution date of the application is:

Date

A. Patent Application No.(s)

09/764,202

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

BRINKS HOFER GILSON & LIONE
P.O. BOX 10395
CHICAGO, IL 60610
(312)321-4200

6. Number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$ 40.00

Enclosed
 Authorized to be charged to Deposit Account No. 23-1925

8. Please charge any deficiencies in fee or credit any overpayment to Deposit Account No. 23-1925.

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.

John G. Rauch

Name of Person Signing

Signature

August 14, 2002

Date

Total number of pages including cover sheet, attachments, and document: 5

Rev. Dec.-99

\\Bhg\main3\common\jgr\Caly networks\10506\10506-3 Recordal of Assignment - Tushar Shah only.doc

08/20/2002 TDIAZ1 00000093 09764202

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PATENT
REEL: 013199 FRAME: 0175

ASSIGNMENT

WHEREAS, Manouchehr S. Rafie, Tushar Shah, Syang-Myau Hwang and Jun Lu, hereinafter called the "Assignors", have made the invention described in the United States patent application entitled CARRIER PHASE RECOVERY SYSTEM FOR ADAPTIVE BURST MODEMS AND LINK HOPPING RADIO NETWORKS, for a full description of which reference is here made to an application for Letters Patent of the United States filed on January 17, 2001, and assigned Application Serial No. 09/764,202;

WHEREAS, Caly Networks, a corporation organized and existing under the laws of the State of Delaware, having a place of business at 295 Santa Ana Court, Sunnyvale, California, 94085, hereinafter called the "Assignee", desires to acquire the entire right, title and interest in and to the invention and the patent application identified above, and all patents which may be obtained for said invention, as set forth below;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents therefor in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for all such patents.


The Assignors hereby covenant and agree, for both the Assignors and the Assignors' legal representatives, that the Assignors will reasonably assist the Assignee in the prosecution of the patent application identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified

above; in vesting in the Assignee like exclusive title in and to all such other patent applications and patents as related to the invention identified above; and in the prosecution of any interference which may arise involving said invention, or any such patent application or patent as related to the invention identified above; and that the Assignors will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Assignment.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the Assignors have executed this agreement.

DATED: _____
Manouchehr S. Rafie,

DATED: 08/12/02

Tushar Shah

DATED: _____
Syang-Myau Hwang

DATED: _____
Jun Lu

STATE OF)
) ss.
COUNTY OF)

I, _____ a Notary Public in and for the County and State aforesaid, do hereby certify that Manouchehr S. Rafie, personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that (s)he signed, sealed and delivered the said instrument as his/her free and voluntary act for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal, this day of _____, 20 .

Notary Public

My Commission Expires:

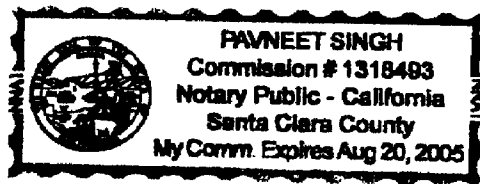
STATE OF CA)
) ss.
COUNTY OF Santa Clara)

I, PAVNEET SINGH a Notary Public in and for the County and State aforesaid, do hereby certify that Tushar Shah, personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that (s)he signed, sealed and delivered the said instrument as his/her free and voluntary act for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal, this 12 day of Aug, 2002 .

Pavneet Singh.
Notary Public

My Commission Expires: Aug 20th 2005



STATE OF)
) ss.
COUNTY OF)

I, _____ a Notary Public in and for the County and State aforesaid, do hereby certify that Syang-Myau Hwang, personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that (s)he signed, sealed and delivered the said instrument as his/her free and voluntary act for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal, this day of _____, 20 _____.

Notary Public

My Commission Expires:

STATE OF)
) ss.
COUNTY OF)

I, _____, a Notary Public in and for the County and State aforesaid, do hereby certify that Jun Lu, personally known to me to be the same person whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that (s)he signed, sealed and delivered the said instrument as his/her free and voluntary act for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal, this day of _____, 20 _____.

Notary Public

My Commission Expires:

REV. Dec.-99
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