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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

To the Honorable Assistant Commissioner for Patents and Trademarks **101784076**

checked original documents or copy thereof.

1. Name of conveying party(ies):

Erik D. Lindskog; Arogyaswami J. Paulraj

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

☐ Yes ☒ No

3. Nature of Conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: June 7, 2001

2. Name and address of receiving party(ies):

Name: The Board of Trustees of the Leland Stanford Junior University

Internal Address: Office of Technology Licensing

JUL 16 2001

Street Address: 900 Welch Road, Suite 350

City: Palo Alto

State: CA

Zip: 68764

Additional name(s) & address(es) attached? ☐ Yes ☒ No

MM 7/16/01

4. Application number(s) or patent number(s): 09/833,543

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

A. Patent Application No.(s)

09/833,543

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Aldo J. Test

Internal Address: FLEHR HOHBACH TEST
ALBRITTON & HERBERT LLP

Street Address: SUITE 3400

FOUR EMBARCADERO CENTER

City: SAN FRANCISCO

State: CA

Zip: 94111-4187

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: 06-1300

Please debit any underpayment or credit any overpayment to the above deposit account.

Our Order No. A-69116/AJT

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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.

Aldo J. Test

Name of Person Signing

[Signature]
Signature

7/10/01
Date

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

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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being sent via U.S. First Class Mail in an envelope addressed to BOX ASSIGNMENTS, Assistant Commissioner for Patents, Washington, D.C. 20231 on July 12, 2001. Signed: [Signature]

Kathryn Marley

(1031490)

07/19/2001 DBYRNE 00000244 09833543

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40.00 DP

PATENT
REEL: 011982 FRAME: 0216

ASSIGNMENT

WHEREAS, Erik D. Lindskog, resident of Sunnyvale, California, and Arogyaswami J. Paulraj, resident of Stanford, California (hereinafter termed "Inventors") have invented new and useful improvements in a *Time-Reversal Block Transmit Diversity System for Channels with Intersymbol Interference and Method*, and have executed application Serial Number 09/833,543 for a United States Patent which was filed on April 11, 2001, which application claims priority to provisional application Serial No. 60/197,306 filed April 14, 2000, and

WHEREAS, THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, a body having corporate powers under the laws of the State of California, at Stanford, CA 94305 (hereinafter termed "Assignee,") is desirous of acquiring the entire right, title and interest in and to said application and said invention and improvements thereon, and in and to Letters Patent thereon when granted in the United States and foreign countries; and

WHEREAS, Inventors and Assignee have executed an agreement entitled "Agreement Concerning Rights in Invention."

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and for other good and valuable consideration received by said Inventors from said Assignee, receipt of which is hereby acknowledged by said Inventors;

1. Said Inventors have sold, assigned, transferred and set over, and do hereby sell, assign, transfer and set over unto said Assignee, all their right, title and interest in, to and under said invention, and in, to and under the application for Letters Patent of the United States therefor executed as aforesaid, and in, to and under any Letters Patent which may be issued for said invention in the United States and in any foreign country including the right to claim priority in all foreign countries including each and every Letters Patent granted on any application which is a division, substitution or continuation of said application specifically identified herein, and in and to each and every reissue or extension of said Letters Patent; said interest hereby assigned to be held and enjoyed by said Assignee as fully as the same would have been held and enjoyed by said Assignee as fully as the same would have been held and enjoyed by said Inventors had this assignment and sale not been made.

2. Said Inventors hereby covenant and agree to cooperate with said Assignee whereby said Assignee may enjoy to the fullest extent the right, title and interest herein conveyed. Such cooperation shall include (a) prompt execution of all papers (prepared at the expense of Assignee) which are deemed necessary or desirable by Assignee to perfect in it the right, title and interest herein conveyed; (b) prompt execution of all petitions, oaths, specifications, declarations or other papers (prepared at the expense of Assignee) which are deemed necessary or desirable by Assignee for prosecuting said application specifically identified herein, for filing and prosecuting substitute, divisional, continuing or additional applications in the United States and/or foreign countries covering said invention and/or improvements, for filing and prosecuting applications for reissuance of Letters Patent included herein, or for interferences (i.e. priority) proceedings involving said invention and/or improvements; and (c) prompt assistance and cooperation in the prosecution of legal proceedings involving said invention and/or improvements, said applications and patents granted thereon, including oppositions, cancellation proceedings, priority contests, public use proceedings and court actions; provided, however, that the expense which may be incurred by said inventors in lending such assistance and cooperation be paid by Assignee.

3. The terms, covenants and conditions of this assignment shall inure to the benefit of said Assignee, its successors, assigns, and/or other legal representatives, and shall be binding upon said Inventors, their respective heirs, legal representatives and assigns.

4. The terms, covenants and conditions of this agreement are subject to the payment of royalty by Assignee to Inventors in accordance with the provisions of said Agreement Concerning Rights in Invention referred to above.

5. Said Inventors do hereby warrant and represent that they have not entered into any assignment, contract or understanding in conflict herewith.

///

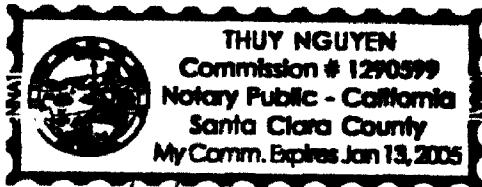
IN WITNESS WHEREOF, said Inventors have executed and delivered this instrument on the date below written.

Dated: June 7, 2001 Erik D. Lindskog
Erik D. Lindskog

State of California]
County of Santa Clara] SS.

On 6/7/01, before me, Thuy Nguyen, Notary Public, personally appeared - Erik D. Lindskog, personally known to me (or proved to me on the basis of evidence) to be the person whose name is subscribed to the within instrument. and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.



Dated: 6/7/01

[Signature]
Notary Public
[Signature]
Arogyaswami J. Paulraj

State of California]
County of Santa Clara] SS.

On _____, before me, _____, Notary Public, personally appeared Arogyaswami J. Paulraj, personally known to me (or proved to me on the basis of evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument, the person or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Notary Public

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of

Santa Clara

SS.

On

6/7/01

Date

, before me,

Thuy Nguyen, Notary Public

Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared

Erik Lindskog

Name(s) of Signer(s)

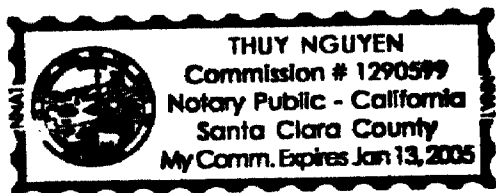


personally known to me



proved to me on the basis of satisfactory evidence

to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



Place Notary Seal Above

WITNESS my hand and official seal.

[Signature]

Signature of Notary Public

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document:

Declaration for Patent Application

Document Date:

6/7/01

Number of Pages:

2

Signer(s) Other Than Named Above:

no

Capacity(ies) Claimed by Signer

Signer's Name:

☐ Individual

☐ Corporate Officer — Title(s):

☐ Partner — ☐ Limited ☐ General

☐ Attorney in Fact

☐ Trustee

☐ Guardian or Conservator

☐ Other:

RIGHT THUMBPRINT
OF SIGNER

Top of thumb here

Signer Is Representing: