

08-27-2002

Patents Only

To the Honorable Commission



102202725

August 15, 2002

Attorney Docket No. 5051-543

Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Jonathan S. Lindsey
Masahiko Taniguchi
Doyoung Ra
Guoning Mo
Thiagarajan Balasubramanian



8-21-02

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

North Carolina State University
2401 Research Drive
Campus Box 8210
Raleigh, North Carolina 27695-8210

Additional name(s) of conveying party(ies) attached? Yes ☒ No

3. Nature of conveyance:

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

Execution Date: July 1, 8, 17, 18, August 5, 2002

Additional name(s) & address(es) attached? Yes ☒ No4. Application Serial No. 10/140,654

Patent No.

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

Additional numbers attached? Yes ☒ No

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

Customer Number 20792
Kenneth D. Sibley
Myers Bigel Sibley & Sajovec
Post Office Box 37428
Raleigh, North Carolina 27627

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: 50-0220

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.

Kenneth D. Sibley, Reg. 31,665
Name of Person Signing

Signature

August 15, 2002
Date

Total number of pages including cover sheet, attachments and document: 7

08/22/2002 CCHAUI 00000155 10140654

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ASSIGNMENT

THIS ASSIGNMENT, made by us, **Jonathan S. Lindsey**, a citizen of the United States of America, residing at 3931 Napa Valley Drive, Raleigh, North Carolina 27612; **Masahiko Taniguchi**, a citizen of Japan, residing at 2300 Avent Ferry Road, Apt. J-4, Raleigh, North Carolina 27606; **Doyoung Ra**, a citizen of Korea, residing at Hanul ATP 110-1706, Shinsung-dong, Yousung-ku, Taejon (305-707), Korea; **Guoning Mo**, a citizen of China, residing at 155 Antibes Drive, Suite 1414, Toronto, Ontario M2R 3G7, Canada; and **Thiagarajan Balasubramanian**, a citizen of India, residing at 1610-F Amber Ridge Lane, Raleigh, North Carolina 27607;


WITNESSETH: That,

WHEREAS, we are the joint inventors of certain new and useful improvements in **REFINED ROUTES TO CHLORIN BUILDING BLOCKS** for which an application for United States Letters Patent has been filed in the United States Patent and Trademark Office on May 8, 2002, under Serial No. 10/140,654, and

WHEREAS, **North Carolina State University**, a constituent institution of The University of North Carolina and an educational institution chartered under the laws of the State of North Carolina having a principal office at Campus Box 8210, City of Raleigh, County of Wake, State of North Carolina 27695-8210, hereinafter referred to as assignee, is desirous of acquiring the entire right, title and interest in and to said invention as described in said application, and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries;

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold and by these presents do hereby sell, assign, transfer, and convey unto the said assignee, its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted, together with the right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said assignee, its successors and assigns, as

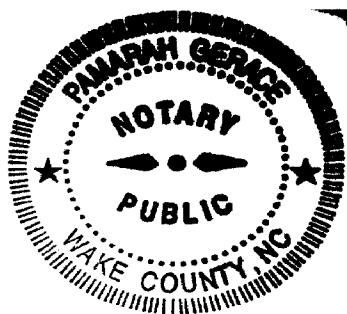
IN WITNESS WHEREOF, we have hereunto set my hand and seal on this 8th day
of July, 2002.

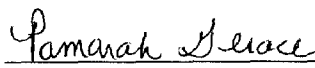
 (SEAL)
Masahiko Taniguchi

STATE OF NORTH CAROLINA)
) ss:
COUNTY OF Wake)

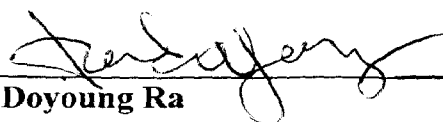
Before me personally appeared **Masahiko Taniguchi**, to me known to be the person
described in and who executed the foregoing instrument, and he acknowledged to me that he
executed the same for the purposes therein stated, this 8th day of July,
2002.

SEAL




Notary Public
My commission expires: 3-26-2007

IN WITNESS WHEREOF, we have hereunto set my hand and seal on this 17th day
of July, 2002.

 (SEAL)
Doyoung Ra

STATE OF California,
COUNTY OF Prote ss:

Before me personally appeared **Doyoung Ra**, to me known to be the person described
in and who executed the foregoing instrument, and he acknowledged to me that he executed
the same for the purposes therein stated, this _____ day of _____, 2002.

Notary Public

SEAL

My Commission Expires: _____

IN WITNESS WHEREOF, we have hereunto set my hand and seal on this 5th day
of August, 2002.

Guoning Mo (SEAL)
Guoning Mo

STATE OF Chengchen
COUNTY OF SHURONG CHEN ss:


Before me personally appeared **Guoning Mo**, to me known to be the person described
in and who executed the foregoing instrument, and he acknowledged to me that he executed
the same for the purposes therein stated, this _____ day of _____, 2002.

Notary Public

SEAL

My Commission Expires: _____

IN WITNESS WHEREOF, we have hereunto set my hand and seal on this 18th day
of July, 2002.

 07/18/02 (SEAL)
Thiagarajan Balasubramanian

STATE OF NORTH CAROLINA)
) ss:
COUNTY OF Durham)

Before me personally appeared **Thiagarajan Balasubramanian**, to me known to be
the person described in and who executed the foregoing instrument, and he acknowledged to
me that he executed the same for the purposes therein stated, this 18th day of
July, 2002.


Notary Public

SEAL

My Commission Expires: 11-05-05