

FORM PTO-1595 (S



(Rev. 8-96)

To the Honorable Con

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ER SHEET

U.S. DEPARTMENT OF COMMERCE

Y

Patent and Trademark Office

ie attached original documents or copy thereof.

1. Name of conveying party(ies):

Jingyue Ju; Lanrong Bi; Dae H. Kim; and Qinglin Meng

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

Yes No

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

The Trustees of Columbia University in the City of New York

Internal Address:

Street Address: West 116th Street and Broadway

City/State/Zip: New York, New York 10027

United States of America

3. Nature of Conveyance:

- Assignment
- Security Assignment
- Other
- Merger
- Change of Name

Execution Date(s): 12/03/2008; 12/02/2008; 12/04/2008; and 12/02/2008

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

4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date(s) of the application is (are):

A. Patent Application No.(s) 12/084,457

Filed: §371 national stage of PCT International Application No. PCT/US2006/042739

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: John P. White, Esq.
Internal Address: Cooper & Dunham LLP
Street Address: 30 Rockefeller Plaza
City/State/Zip: New York, New York 10112

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:

03-3125

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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.

John P. White
Name of Person Signing
Reg. No. 28,678

John P. White
Signature

December 18, 2008
Date

Total Number of pages including cover sheet, attachments and document: 6

I hereby certify that this correspondence is being deposited this date with the U.S. Postal Service with sufficient postage as first class mail in an envelope addressed to:
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Assignment of Non-Provisional Application

In consideration of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned, Jingyue Ju, residing at 267 Maricetta St., Englewood Cliffs, NJ 07632, U.S.; Lanrong Bi, residing at 610 West 115th St., Apt. 63A, New York, NY 10025, U.S.; Dae H. Kim, residing at 100 Morningside Dr., Apt. 5H, New York, NY 10027, U.S.; and Qinglin Meng, residing at ~~529 West 111th St., Apt. 22A, New York, NY 10027, U.S.~~ 758 Carmel Ave #6, Sunnyvale, CA 94085 (QM 12/21/08)

Hereby sell, assign and transfer to The Trustees of Columbia University in the City of New York, a corporation of the State of New York, having a place of business at West 116th Street and Broadway, New York, NY 10027, in the County of New York and State of New York, its successors, assigns and legal representatives, the entire right, title and interest for all countries, in and to any and all inventions which are disclosed and claimed, and any and all inventions which are disclosed but not claimed, in the application for United States Patent, which has been executed by the undersigned on December 3, 2008; December 2, 2008;

December 4, 2008; and December 2, 2008 and is entitled CHEMICALLY CLEAVABLE 3'-O-ALLYL-DNTP-ALLYL-FLUOROPHORE FLUORESCENT NUCLEOTIDE ANALOGUES AND RELATED METHODS (U.S. Serial No. 12/084,457, §371 national stage of PCT International Application No. PCT/US2006/042739, filed October 31, 2006, claiming the benefit of U.S. Provisional Application No. 60/732,040, filed October 31, 2005)

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for U.S. Letters Patent or other related property rights in any and all foreign countries which have been or shall be filed on any of said inventions disclosed in said application; and in and to all original and reissued patents or related foreign documents which have been or shall be issued on said inventions;

Authorize and request the Commissioner for Patents of the United States to issue to said Assignee, the corporation above named, its successors, assigns and legal representatives, in accordance with this assignment, any and all United States Letters Patent on said inventions or any of them disclosed in said application;

JFW Rev. April 19, 2007

Agree that said Assignee may apply for and receive foreign Letters Patent or rights of any other kind for said inventions, or any of them; and may claim, in applications for said foreign Letters Patent or other rights, the priority of the aforesaid United States patent application under the provisions of the International Convention of 1883 and later modifications thereof, under the Patent Cooperation Treaty, under the European Patent Convention or under any other available international agreement; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned or the undersigned's executors or administrators will, for the United States and all foreign countries, execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications or other documents on any and all said inventions; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and representatives, all facts known and documents available to the undersigned relating to said inventions and the history thereof; testify in all legal proceedings; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said inventions and for vesting title to said inventions and all applications for patents or related foreign rights and all patents on said inventions, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: 12/31/08
 Witness: Hansha Robinson (signature)
Hansha Robinson (printed name)
133 Midland Ave (address)
Plenville NY 10908



 Jingyue Ju R.S.I

Date: 12/2/08
Witness: Celine Grace (signature)
Celine Grace (printed name)
605 W Douglass Ave (address)
Houghton MI 49931

[Signature]
Laurong Bi (LS)

Date: _____
Witness: _____ (signature)
_____ (printed name)
_____ (address)

Dae H. Kim (LS)

Date: _____
Witness: _____ (signature)
_____ (printed name)
_____ (address)

Qinglin Meng (LS)

JPW Rev. April 19, 2007

Date: _____
Witness: _____ (signature)
_____ (printed name)
_____ (address)

Lanrong Bi (LS)

Date: 12/4/08
Witness: Dae Kim (signature)
A Pam Kim (printed name)
178 Sherman Rd (address)
Boston MA 02467

Dae Kim (signature)

Dae H. Kim (LS)

Date: _____
Witness: _____ (signature)
_____ (printed name)
_____ (address)

Qinglin Meng (LS)

Date: _____
Witness: _____ (signature)
_____ (printed name)
_____ (address)

Laurong He (LS)

Date: _____
Witness: _____ (signature)
_____ (printed name)
_____ (address)

Dae H. Kim (LS)

Date: 12/02/2008
Witness: Chunmei Wei (signature)
CHUNMEI WEI (printed name)
1198 Antenna Dr. Apt 18 (address)
San Jose, CA 95128

Qinglin Meng
Qinglin Meng (LS)