



FORM PTO-151

COVER SHEET

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(Rev. 8-96)

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3 ONLY

Patent and Trademark Office

To the Honorable

record the attached original documents or copy thereof.

6.7.07

1. Name of conveying party(ies):
Jingyue Ju

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

Yes No

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

Name: 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): May 25, 2007

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) 10/591,520

Filed: as §371 national stage of PCT/US2005/006960

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: 1185 Avenue of the Americas

City/State/Zip: New York, New York 10036

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
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John P. White
Signature

June 4, 2007

Date

Total Number of pages including cover sheet, attachments and document: 3

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Assignment

In consideration of One Dollar (\$1.00), and other good and valuable considerations, the receipt of which is hereby acknowledged, the undersigned, Jingyue Ju, residing at 267 Marietta Street, Englewood Cliffs, New Jersey 07632, United States of America

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, in the County of New York and State of New York 10027, United States of America, 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 May 25, 2007

and is entitled

**PHOTOCLEAVABLE FLUORESCENT NUCLEOTIDES FOR DNA SEQUENCING ON CHIP
CONSTRUCTED BY SITE-SPECIFIC COUPLING CHEMISTRY**

(U.S. Serial No. 10/591,520, §371 national stage of PCT International Application No. PCT/US2005/006960, filed March 3, 2005, claiming priority of U.S. Provisional Application No. 60/550,007, filed March 3, 2004)

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;

Agree that said Assignee may apply for and receive foreign Letters Patent or

JPW Rev. March 7, 2007

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: 9-22

5/25/07 [LS]
Jingyue Ju

Witness: Brian Amos [signature]

BRIAN AMOS [printed name]

1025 Manhattan Ave., #4R [address]

BROOKLYN, NY 11222