

060109

1.7691 U.S. PTO

PTO/SB/05 (09-04)

Approved for use through 07/31/2006. OMB 0651-0032  
U.S. Patent and Trademark Office. U.S. DEPARTMENT OF COMMERCE

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UTILITY  
PATENT APPLICATION  
TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	2713-1-025DIV
First Inventor	John Milton
Title	MODIFIED NUCLEOTIDES
Express Mail Label No.	EM 279335998 US

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☐ **Fee Transmittal Form** (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☐ **Applicant claims small entity status.**  
See 37 CFR 1.27.
3. ☒ **Specification** (COPY) [Total Pages 126]  
Both the claims and abstract must start on a new page  
(For information on the preferred arrangement, see MPEP 608.01(a))
4. ☒ **Drawing(s)** (35 U.S.C. 113) [Total Sheets 7]  
(Figs. 1-7) (copy)
5. **Oath or Declaration** [Total Sheets 6]
  - a. ☐ Newly executed (original or copy)
  - b. ☒ A copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 18 completed)
    - i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s)  
name in the prior application, see 37 CFR  
1.63(d)(2) and 1.33(b).
6. ☐ **Application Data Sheet.** See 37 CFR 1.76
7. ☐ **CD-ROM or CD-R** in duplicate, large table or  
Computer Program (Appendix)  
☐ Landscape Table on CD
8. **Nucleotide and/or Amino Acid Sequence Submission**  
(if applicable, items a. - c. are required)
  - a. ☐ Computer Readable Form (CRF)
  - b. ☐ Specification Sequence Listing on:
    - i. ☐ CD-ROM or CD-R (2 copies); or
    - ii. ☐ Paper
  - c. ☐ Statements verifying identity of above copies

ADDRESS TO: Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

## ACCOMPANYING APPLICATION PARTS

9. ☒ **Assignment Papers** (cover sheet & document(s))  
Name of Assignee Solexa Limited  
(1) Notice of Recordation for Solexa Limited
- (2) Notice of Recordation for Illumina Cambridge Limited
10. ☐ **37 CFR 3.73(b) Statement** ☐ **Power of Attorney**  
(when there is an assignee)
11. ☐ **English Translation Document** (if applicable)
12. ☐ **Information Disclosure Statement** (PTO/SB/08 or PTO-1449)  
☐ Copies of citations attached
13. ☒ **Preliminary Amendment**
14. ☒ **Return Receipt Postcard** (MPEP 503)  
(Should be specifically itemized)
15. ☐ **Certified Copy of Priority Document(s)**  
(if foreign priority is claimed) Copy of Claims
16. ☐ **Nonpublication Request** under 35 U.S.C. 122(b)(2)(B)(i).  
Applicant must attach form PTO/SB/35 or equivalent.
17. ☒ **Other:** Copy Int'l Search Report; Copy Notice of  
Int'l Prelim. Exam Report; and Copy of Written Opinion

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

<input type="checkbox"/> Continuation	<input checked="" type="checkbox"/> Divisional	<input type="checkbox"/> Continuation-in-part (CIP)	of prior application No. <u>10/525,401</u>
Prior application information:		Examiner <u>Jezia Riley</u>	Art Unit: <u>1637</u>

## 19. CORRESPONDENCE ADDRESS

☐ The address associated with Customer Number: 23565 OR ☐ Correspondence address below

Name

Address

City

State

Zip Code

Country

Telephone

Fax

Signature

Date

June 1, 2009

Name  
(Print/Type)

Sarah J. Fashena, Ph.D.

Registration No.  
(Attorney/Agent)

57,600

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Columbia Exhibit 2043

Illumina, Inc. v. The Trustees of Columbia

Page 1 of 27 University in the City of New York

IPR2018-00322

**DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below under my name.

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

**MODIFIED NUCLEOTIDES**

the Specification of which

☒ is attached hereto

☒ was filed on August 22, 2003

as International Application No. PCT/GB2003/003686

I hereby state that I have reviewed and understand the contents of the above-identified Specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119 (a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

<u>APPLICATION</u> <u>NUMBER</u>	<u>PRIOR FOREIGN FILED APPLICATION(S)</u> <u>COUNTRY</u>	<u>(MONTH/DAY/YYYY)</u>	<u>PRIORITY</u> <u>CLAIMED</u>
0230037.4	GB	December 23, 2002	Yes
0303924.5	GB	February 20, 2003	Yes

I hereby claim the benefit under Title 35, United States Code §119(e) of any United States provisional application(s) listed below.

APPLICATION NUMBER(S)

FILING DATE (MM/DD/YYYY)

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s), or §365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

<u>U.S. Parent Application No.</u>	<u>PCT Parent Number</u>	<u>Parent Filing (MM/DD/YYYY)</u>	<u>Parent Patent Number (if applicable)</u>
10/227,131		August 23, 2002	

The undersigned hereby authorizes the U.S. attorney or agent named herein to accept and follow instructions from **BOULT WADE TENNANT** as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorney or agent and the undersigned. In the event of a change in the persons from whom instructions may be taken, the U.S. attorney or agent named herein will be so notified by the undersigned.

I hereby appoint as my attorneys or agents the registered persons identified under

**Customer No. 23565**

for the law firm of Klauber & Jackson, said attorneys or agents with full power of substitution and revocation to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Please address all correspondence regarding this application to **Customer No. 23565**.

DAVID A. JACKSON, ESQ.  
KLAUBER & JACKSON  
411 HACKENSACK AVENUE  
HACKENSACK, NEW JERSEY 07601

Direct all telephone calls to David A. Jackson at (201) 487-5800.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF FIRST INVENTOR: John MILTON

COUNTRY OF CITIZENSHIP: Great Britain

FULL RESIDENCE ADDRESS: Solexa Limited  
Chesterford Research Park  
Little Chesterford  
Nr. Saffron Walden  
Essex CB10 1XL  
Great Britain

FULL POST OFFICE ADDRESS: SAME AS ABOVE

SIGNATURE OF INVENTOR

DATE 17/3/05

FULL NAME OF SECOND INVENTOR: Xiaolin WU

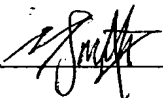
COUNTRY OF CITIZENSHIP: CHINA

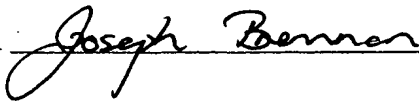
FULL RESIDENCE ADDRESS: Solexa Limited  
Chesterford Research Park  
Little Chesterford  
Nr. Saffron Walden  
Essex CB10 1XL  
Great Britain

FULL POST OFFICE ADDRESS: SAME AS ABOVE

SIGNATURE OF INVENTOR

DATE 17.03.05

FULL NAME OF THIRD INVENTOR: **Mark SMITH**  
COUNTRY OF CITIZENSHIP: Great Britain  
FULL RESIDENCE ADDRESS: Solexa Limited  
Chesterford Research Park  
Little Chesterford  
Nr. Saffron Walden  
Essex CB10 1XL  
Great Britain  
FULL POST OFFICE ADDRESS: SAME AS ABOVE  
SIGNATURE OF INVENTOR   
DATE 17/04/05

FULL NAME OF FOURTH INVENTOR: **Joseph BRENNAN**  
COUNTRY OF CITIZENSHIP: Great Britain  
FULL RESIDENCE ADDRESS: Solexa Limited  
Chesterford Research Park  
Little Chesterford  
Nr. Saffron Walden  
Essex CB10 1XL  
Great Britain  
FULL POST OFFICE ADDRESS: SAME AS ABOVE  
SIGNATURE OF INVENTOR   
DATE 06.04.05

FULL NAME OF FIFTH INVENTOR: Colin BARNES

COUNTRY OF CITIZENSHIP: Great Britain

FULL RESIDENCE ADDRESS: Solexa Limited  
Chesterford Research Park  
Little Chesterford  
Nr. Saffron Walden  
Essex CB10 1XL  
Great Britain

FULL POST OFFICE ADDRESS: SAME AS ABOVE

SIGNATURE OF INVENTOR 

DATE 16 / 3 / 05

FULL NAME OF SECOND INVENTOR: Xiaohai LIU

COUNTRY OF CITIZENSHIP: CHINA

FULL RESIDENCE ADDRESS: Solexa Limited  
Chesterford Research Park  
Little Chesterford  
Nr. Saffron Walden  
Essex CB10 1XL  
Great Britain

FULL POST OFFICE ADDRESS: SAME AS ABOVE

SIGNATURE OF INVENTOR 

DATE 17 March 2005

FULL NAME OF SECOND INVENTOR: **Silke RUEDIGER**

COUNTRY OF CITIZENSHIP: Germany

FULL RESIDENCE ADDRESS: Solexa Limited  
Chesterford Research Park  
Little Chesterford  
Nr. Saffron Walden  
Essex CB10 1XL  
Great Britain

FULL POST OFFICE ADDRESS: SAME AS ABOVE

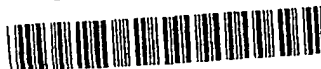
SIGNATURE OF INVENTOR



DATE 23.03.2005

07-19-2005

U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office



ET

103042990

Attorney Docket No.: 2713-1-025

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)/Execution Date(s):**

John MILTON; Xiaolin WU; Mark SMITH;  
Joseph BRENNAN; Colin BARNES; Xiaohai LIU; and  
Silke RUEDIGER

March 17, 2005; April 17, 2005; March 17, 2005;  
April 6, 2005; March 16, 2005

Execution Date(s) March 17, 2005; and March 23, 2005

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

**3. Nature of conveyance:**

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

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

Name: SOLEXA LIMITED

Internal Address: \_\_\_\_\_

Street Address: Chesterford Research Park

Little Chesterford, Nr. Saffron Walden, Essex

CB10 1XL

City: \_\_\_\_\_

State: \_\_\_\_\_

Country: UNITED KINGDOM Zip: \_\_\_\_\_

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

**4. Application or patent number(s):**

☐ This document is being filed together with a new application.  
A. Patent Application No.(s)  
B. Patent No.(s)

10/525,401

Additional numbers attached? ☐ Yes ☒ No

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

Name: David A. Jackson, Esq.

Internal Address: \_\_\_\_\_

Street Address: KLAUBER & JACKSON

411 HACKENSACK AVE., 4TH FLOOR

City: HACKENSACK

State: NJ Zip: 07601

Phone Number: 201-487-5800

Fax Number: 201-343-1684

Email Address: Info@KJIPLAW.COM

**6. Total number of applications and patents involved:**

1

**7. Total fee (37 CFR 1.21(h) & 3.41) \$** 40.00

- ☐ Authorized to be charged by credit card  
☐ Authorized to be charged to deposit account  
☒ Enclosed  
☐ None required (government interest not affecting title)

**8. Payment Information**

a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit Account Number \_\_\_\_\_

Authorized User Name \_\_\_\_\_

**9. Signature:**

*David A. Jackson*

Signature

July 13, 2005

Date

David A. Jackson, Esq., Reg. No. 26,742

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: ☐

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

07/18/2005 6TON11 00000049 10525401

01 FC:8021

40.00 DP



**ASSIGNMENT**

WHEREAS, WE, **John Milton**, a citizen of Great Britain, residing at Solexa Ltd.,  
Chesterford Research Park, Little Chesterford, Nr. Saffron Walden  
Essex CB10 1XL, Great Britain; and

**Xiaolin Wu**, a citizen of China, residing at Solexa Ltd.,  
Chesterford Research Park, Little Chesterford, Nr. Saffron Walden  
Essex CB10 1XL, Great Britain; and

**Mark Smith**, a citizen of Great Britain, residing at Solexa Ltd.,  
Chesterford Research Park, Little Chesterford, Nr. Saffron Walden  
Essex CB10 1XL, Great Britain; and

**Joseph Brennan**, a citizen of Great Britain, residing at Solexa  
Ltd., Chesterford Research Park, Little Chesterford, Nr. Saffron  
Walden Essex CB10 1XL, Great Britain;

**Colin Barnes**, a citizen of Great Britain, residing at Solexa Ltd.,  
Chesterford Research Park, Little Chesterford, Nr. Saffron Walden  
Essex CB10 1XL, Great Britain; and

**Xiaohai Liu**, a citizen of China, residing at Solexa Ltd.,  
Chesterford Research Park, Little Chesterford, Nr. Saffron Walden  
Essex CB10 1XL, Great Britain; and

**Silke Ruediger**, a citizen of Germany, residing at Solexa Ltd.,  
Chesterford Research Park, Little Chesterford, Nr. Saffron Walden  
Essex CB10 1XL, Great Britain; and

have invented certain new and useful improvements in

**MODIFIED NUCLEOTIDES**

for which we have filed an Application for Letters Patent in the United States on  
February 23, 2005 , and was accorded U.S. Serial No. 10/525,401 ; and

WHEREAS,

**SOLEXA LIMITED**

with an office at  
Chesterford Research Park, Little Chesterford,  
Nr. Saffron Walden, Essex CB10 1XL  
Great Britain

ASSIGNEE, is desirous of obtaining the entire right, title and interest in, to and under the said  
improvements and the said application;

NOW, THEREFORE, for other good and valuable consideration, the receipt of which is hereby acknowledged, we the said

**John Milton; Xiaolin Wu; Mark Smith; Joseph Brennan; Colin Barnes; Xiaohai Liu  
Silke Ruediger**

have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, to the said

**SOLEXA LIMITED,**

its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said improvements, and the said application and all divisions, renewals, and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, including the right to claim priority under the terms of any appropriate International Convention based upon said application for Letters Patent of the United States, and all Letters Patent which may be granted from said improvements in any country or countries foreign to the United States and extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States, whose duty is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said

**SOLEXA LIMITED,**

its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant that we have full right to convey the interest herein assigned in the manner hereinabove set forth, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said

**SOLEXA LIMITED,**

its successors, legal representatives and assigns, any fact known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisions, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said

**SOLEXA LIMITED,**

its successors, legal representatives and assigns, to obtain and enforce proper Patent Protection for said improvements in the United States.

IN TESTIMONY WHEREOF, we hereunto set our hand and seal the day and year set opposite our signatures.

Date 17/3/05, 2005

  
\_\_\_\_\_  
John Milton

L.S.

Date 17/04/05, 2005

  
\_\_\_\_\_  
Xiaolin Wu

L.S.

Date 17.03, 2005

  
\_\_\_\_\_  
Mark Smith

L.S.

Date 06.04, 2005

  
\_\_\_\_\_  
Joseph Brennan

L.S.

Date 16/3/, 2005

  
\_\_\_\_\_  
Colin Barnes

L.S.

Date 17 March, 2005

  
\_\_\_\_\_  
Xiaohai Liu

L.S.

Date 23/03/, 2005

  
\_\_\_\_\_  
Silke Ruediger

L.S.



CORRECTED  
NOTICE

UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

2713-1-025

MAY 02, 2006

PTAS

DAVID A. JACKSON, ESQ.  
KLAUBER & JACKSON  
411 HACKENSACK AVE., 4TH FLOOR  
HACKENSACK, NJ 07601

RECEIVED

MAY 11 2006

KLAUBER & JACKSON

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT SERVICES BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 07/15/2005

REEL/FRAME: 016774/0240  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
MILTON, JOHN

DOC DATE: 03/17/2005

ASSIGNOR:  
WU, XIAOLIN

DOC DATE: 03/17/2005

ASSIGNOR:  
SMITH, MARK

DOC DATE: 04/17/2005

ASSIGNOR:  
BRENNAN, JOSEPH

DOC DATE: 04/06/2005

ASSIGNOR:  
BARNES, COLIN

DOC DATE: 03/16/2005

ASSIGNOR:  
LIU, XIAOHAI

DOC DATE: 03/17/2005

ASSIGNOR:

RUEDIGER, SILKE

DOC DATE: 03/23/2005

ASSIGNEE:

SOLEXA LIMTIED  
CHESTERFORD RESEARCH PARK  
LITTLE CHESTERFORD  
NR. SAFFRON WALDEN ESSEX  
UNITED  
KINGDOM  
CB10 1XL

SERIAL NUMBER: 10525401

FILING DATE:

PATENT NUMBER:

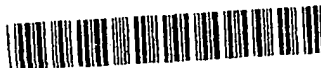
ISSUE DATE:

TITLE: MODIFIED NUCLEOTIDES

MAURICE CARTER, PARALEGAL  
ASSIGNMENT SERVICES BRANCH  
PUBLIC RECORDS DIVISION

07-19-2005

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office



EET

103042990

Attorney Docket No.: 2713-1-025

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)/Execution Date(s):**

John MILTON; Xiaolin WU; Mark SMITH;  
Joseph BRENNAN; Colin BARNES; Xiaohai LIU; and  
Silke RUEDIGER

March 17, 2005; April 17, 2005; March 17, 2005;  
April 6, 2005; March 16, 2005

Execution Date(s) March 17, 2005; and March 23, 2005

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☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

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

Name: SOLEXA LIMITED

Internal Address: \_\_\_\_\_

Street Address: Chesterford Research Park

Little Chesterford, Nr. Saffron Walden, Essex

CB10 1XL

City: \_\_\_\_\_

State: \_\_\_\_\_

Country: UNITED KINGDOM Zip: \_\_\_\_\_

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

**4. Application or patent number(s):**

A. Patent Application No.(s)

10/525,401

☐ This document is being filed together with a new application.  
B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: David A. Jackson, Esq.

Internal Address: \_\_\_\_\_

Street Address: KLAUBER & JACKSON

411 HACKENSACK AVE., 4TH FLOOR

City: HACKENSACK

State: NJ Zip: 07601

Phone Number: 201-487-5800

Fax Number: 201-343-1684

Email Address: Info@KJPLAW.COM

**6. Total number of applications and patents Involved:**

1

**7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00**

- ☐ Authorized to be charged by credit card  
☐ Authorized to be charged to deposit account  
☒ Enclosed  
☐ None required (government interest not affecting title)

**8. Payment Information**

a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit Account Number \_\_\_\_\_

Authorized User Name \_\_\_\_\_

**9. Signature:**

*David A. Jackson*

Signature

July 13, 2005

Date

David A. Jackson, Esq., Reg. No. 26,742

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: ☐

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07/18/2005 6TON11 00000049 10525401

01 FC:8021

40.00 DP



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UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

FEBRUARY 18, 2009

PTAS



\*103548546A\*

SARAH J. FASHENA, PH.D.  
KLAUBER & JACKSON LLC  
411 HACKENSACK AVE., 4TH FLOOR  
HACKENSACK, NJ 07601

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RECORDATION DATE: 02/17/2009

REEL/FRAME: 022275/0113

NUMBER OF PAGES: 2

BRIEF: CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

DOCKET NUMBER: 2713-1-025

ASSIGNOR:

SOLEXA LIMITED

DOC DATE: 01/04/2008

ASSIGNEE:

ILLUMINA CAMBRIDGE LIMITED  
CHESTERFORD RESEARCH PARK  
LITTLE CHESTERFORD, NR. SAFFRON  
WALDEN  
ESSEX, UNITED KINGDOM CB10 1XL

SERIAL NUMBER: 10525401

FILING DATE: 06/01/2006

PATENT NUMBER:

ISSUE DATE:

TITLE: MODIFIED NUCLEOTIDES

FEB 23 2009

022275/0113 PAGE 2

PAULA MCCRAY-STANLEY, EXAMINER  
ASSIGNMENT SERVICES BRANCH  
PUBLIC RECORDS DIVISION



02-18-2009

U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office



103548546

IT

Attorney Docket No.: 2713-1-025

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):

SOLEXA LIMITED

Execution Date(s) JANUARY 4, 2008

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

3. Nature of conveyance:

- ☐ Assignment ☐ Merger  
☐ Security Agreement ☒ Change of Name  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other

2. Name and address of receiving party(ies)

Name: ILLUMINA CAMBRIDGE LIMITED

Internal Address:

Street Address: Chesterford Research Park,  
Little Chesterford, Nr. Saffron Walden, Essex,

CB10 1XL

City:

State:

Country: UNITED KINGDOM Zip:

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

4. Application or patent number(s):

A. Patent Application No.(s)

10/525,401

☐ This document is being filed together with a new application.  
B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Sarah J. Fashena, Ph.D.

Internal Address:

Street Address: KLAUBER & JACKSON LLC

411 HACKENSACK AVE., 4TH FLOOR

City: HACKENSACK

State: NJ Zip: 07601

Phone Number: 201-487-5800

Fax Number: 201-343-1684

Email Address: Info@KJIPLAW.COM

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☐ Authorized to be charged by credit card  
☐ Authorized to be charged to deposit account  
☒ Enclosed  
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers  
Expiration Date

b. Deposit Account Number

Authorized User Name 00000055 10525401

81 EC:8821

40.00 U

February 12, 2009

Date

9. Signature:

Sarah J. Fashena, Ph.D., Reg. No. 57,600

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

2

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>PATENT APPLICATION FEE DETERMINATION RECORD</b> Substitute for Form PTO-875					Application or Docket Number <b>12/455,397</b>		Filing Date <b>06/01/2009</b>		<input type="checkbox"/> To be Mailed			
<b>APPLICATION AS FILED – PART I</b>												
(Column 1)			(Column 2)		SMALL ENTITY <input type="checkbox"/>		OR		OTHER THAN SMALL ENTITY			
FOR	NUMBER FILED	NUMBER EXTRA	RATE (\$)	FEE (\$)	RATE (\$)	FEE (\$)	RATE (\$)	FEE (\$)	RATE (\$)	FEE (\$)		
<input type="checkbox"/> BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A		N/A		N/A		N/A			
<input type="checkbox"/> SEARCH FEE (37 CFR 1.16(k), (l), or (m))	N/A	N/A	N/A		N/A		N/A		N/A			
<input type="checkbox"/> EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A		N/A		N/A		N/A			
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*	X \$	=	OR	X \$	=	X \$	=	X \$		
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*	X \$	=	OR	X \$	=	X \$	=	X \$		
<input type="checkbox"/> APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).											
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))												
* If the difference in column 1 is less than zero, enter "0" in column 2.												
<b>APPLICATION AS AMENDED – PART II</b>												
(Column 1)			(Column 2)		(Column 3)		SMALL ENTITY		OR		OTHER THAN SMALL ENTITY	
AMENDMENT	06/01/2009	CLAIMS REMAINING AFTER AMENDMENT	MINUS	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)	RATE (\$)	ADDITIONAL FEE (\$)	RATE (\$)	ADDITIONAL FEE (\$)	
Total (37 CFR 1.16(i))	*	17	Minus	** 20	=	X \$	=	OR	X \$	=	X \$	
Independent (37 CFR 1.16(h))	*	2	Minus	*** 3	=	X \$	=	OR	X \$	=	X \$	
<input type="checkbox"/> Application Size Fee (37 CFR 1.16(s))												
<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))												
						TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE			
(Column 1)			(Column 2)		(Column 3)		SMALL ENTITY		OR		OTHER THAN SMALL ENTITY	
AMENDMENT	06/01/2009	CLAIMS REMAINING AFTER AMENDMENT	MINUS	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE (\$)	ADDITIONAL FEE (\$)	RATE (\$)	ADDITIONAL FEE (\$)	RATE (\$)	ADDITIONAL FEE (\$)	
Total (37 CFR 1.16(i))	*		Minus	**	=	X \$	=	OR	X \$	=	X \$	
Independent (37 CFR 1.16(h))	*		Minus	***	=	X \$	=	OR	X \$	=	X \$	
<input type="checkbox"/> Application Size Fee (37 CFR 1.16(s))												
<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))												
						TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE			
<p>* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.</p> <p>** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".</p> <p>*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".</p> <p>The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.</p>												

Legal Instrument Examiner:  
/KATRINA S. TURNER/

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**REVOCATION OF POWER OF ATTORNEY  
WITH NEW POWER OF ATTORNEY  
AND  
CHANGE OF CORRESPONDENCE  
ADDRESS**

Application Number	12/455,397
Filing Date	June 1, 2009
First Named Inventor	Milton, John
Title	MODIFIED NUCLEOTIDES
Art Unit	1637
Examiner Name	Riley, Jezia
Attorney Docket Number	067234-0282

**I hereby revoke all previous powers of attorney given in the above-identified application.**

☐ A Power of Attorney is submitted herewith.

OR

☒ I hereby appoint the practitioners associated with the Customer Number:

41552

☒ Please change the correspondence address for the above-identified application to:

☒ The address associated with Customer Number:

41552

OR

☐ Firm or  
Individual Name

Address

City

State

Zip

Country

Telephone

Email

I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.

Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

**SIGNATURE of Applicant or Assignee of Record**

Signature

*Christian G. Caballero*

Date

6-21-2009

Name

Christian G. Caballero

Telephone

858-202-4503

Title and Company

Secretary, Illumina Cambridge Limited

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☐ \*Total of \_\_\_\_\_ forms are submitted.

**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: ILLUMINA CAMBRIDGE LIMITED

Application No./Patent No: 7,771,973 Filed/Issue Date: August 10, 2010

Entitled: MODIFIED NUCLEOTIDES

ILLUMINA CAMBRIDGE LIMITED, a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or  
2. ☐ an assignee of less than the entire right, title and interest.

The extent (by percentage) of its ownership interest is \_\_\_\_\_ %

in the patent application/patent identified above by virtue of either:

- A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

- B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: JOHN MILTON; XIAOLIN WU; MARK SMITH; JOSEPH BRENNAN; COLIN BARNES; XIAOHAI LIU; SILKE RUEDIGER. To: SOLEXA LIMITED

The document was recorded in the United States Patent and Trademark Office at Reel 016774, Frame 0240, or for which a copy thereof is attached.

2. From: SOLEXA LIMITED To: ILLUMINA CAMBRIDGE LIMITED

The document was recorded in the United States Patent and Trademark Office at Reel 022275, Frame 0113, or for which a copy thereof is attached.

3. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Christian G. Cabou  
\_\_\_\_\_  
Signature  
Christian G. Cabou  
\_\_\_\_\_  
Printed or Typed Name  
Secretary, Illumina Cambridge Limited  
\_\_\_\_\_  
Title

10-21-2010  
\_\_\_\_\_  
Date  
858-202-4503  
\_\_\_\_\_  
Telephone Number

## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	8795083
<b>Application Number:</b>	12455397
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	6397
<b>Title of Invention:</b>	MODIFIED NUCLEOTIDES
<b>First Named Inventor/Applicant Name:</b>	John Milton
<b>Customer Number:</b>	23565
<b>Filer:</b>	Victor Behar/Lori Ford
<b>Filer Authorized By:</b>	Victor Behar
<b>Attorney Docket Number:</b>	2713-1-025DIV
<b>Receipt Date:</b>	08-NOV-2010
<b>Filing Date:</b>	01-JUN-2009
<b>Time Stamp:</b>	20:34:09
<b>Application Type:</b>	Utility under 35 USC 111(a)

### Payment information:

Submitted with Payment	no
------------------------	----

### File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Miscellaneous Incoming Letter	Transmittal_26850983.pdf	18361 <small>2c3e35e02032c5db7eccf8e05408ecef4d532f94</small>	no	1

### Warnings:

### Information:

2		POA_373b.PDF	159368	yes	2
			3d9fe27713fe09bc6f643c1ac97fe1b318a38d8a		
<b>Multipart Description/PDF files in .zip description</b>					
<b>Document Description</b>			<b>Start</b>	<b>End</b>	
Power of Attorney			1	1	
Assignee showing of ownership per 37 CFR 3.73(b).			2	2	
<b>Warnings:</b>					
<b>Information:</b>					
<b>Total Files Size (in bytes):</b>			177729		
<p><b>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</b></p> <p><b><u>New Applications Under 35 U.S.C. 111</u></b>  <b>If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</b></p> <p><b><u>National Stage of an International Application under 35 U.S.C. 371</u></b>  <b>If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</b></p> <p><b><u>New International Application Filed with the USPTO as a Receiving Office</u></b>  <b>If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</b></p>					

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO**

I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(b).

I hereby appoint:

☒ Practitioners associated with the Customer Number:

143847

OR

☐ Practitioner(s) named below (if more than ten patent practitioners are to be named, then a customer number must be used):

Name	Registration Number	Name	Registration Number

as attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(b).

Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(b) to:



The address associated with Customer Number:

143847

OR

<input type="checkbox"/> Firm or Individual Name			
Address			
City	State	Zip	
Country			
Telephone			Email

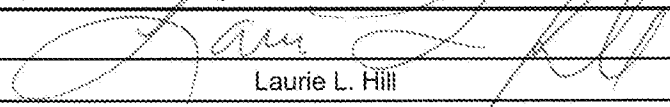
Assignee Name and Address:

Illumina Cambridge Limited  
 Chesterford Research Park, Little Chesterford, NR. Saffron Walden  
 Essex, CB10 1XL, United Kingdom

A copy of this form, together with a statement under 37 CFR 3.73(b) (Form PTO/SB/96 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(b) may be completed by one of the practitioners appointed in this form if the appointed practitioner is authorized to act on behalf of the assignee, and must identify the application in which this Power of Attorney is to be filed.

**SIGNATURE of Assignee of Record**

The individual whose signature and title is supplied below is authorized to act on behalf of the assignee

Signature		Date
Name	Laurie L. Hill	Telephone
Title	Senior Director, Global Intellectual Property, Illumina	

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: Illumina Cambridge Limited

Application No./Patent No.: 7,771,973

Filed/Issue Date: August 10, 2010

Titled: MODIFIED NUCLEOTIDES

Illumina Cambridge Limited, a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest in;
2. ☐ an assignee of less than the entire right, title, and interest in  
(The extent (by percentage) of its ownership interest is \_\_\_\_\_ %); or
3. ☐ the assignee of an undivided interest in the entirety of (a complete assignment from one of the joint inventors was made)

the patent application/patent identified above, by virtue of either:

- A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy therefore is attached.

OR

- B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: John Milton, Xiaolin Wu, Mark Smith, Joseph E To: Solexa Limited

The document was recorded in the United States Patent and Trademark Office at  
Reel 016774, Frame 0240, or for which a copy thereof is attached.

2. From: Solexa Limited To: Illumina Cambridge Limited

The document was recorded in the United States Patent and Trademark Office at  
Reel 022275, Frame 0113, or for which a copy thereof is attached.

3. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet(s).

- ☒ As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

/Jane Qian Dai/

Signature

April 26, 2017

Date

Jane Qian Dai

Printed or Typed Name

Attorney, Reg. No. 61,569

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**



## Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	29040504
<b>Application Number:</b>	12455397
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	6397
<b>Title of Invention:</b>	MODIFIED NUCLEOTIDES
<b>First Named Inventor/Applicant Name:</b>	John Milton
<b>Customer Number:</b>	41552
<b>Filer:</b>	Qian Dai/Tony Do
<b>Filer Authorized By:</b>	Qian Dai
<b>Attorney Docket Number:</b>	067234-0282
<b>Receipt Date:</b>	26-APR-2017
<b>Filing Date:</b>	01-JUN-2009
<b>Time Stamp:</b>	19:19:45
<b>Application Type:</b>	Utility under 35 USC 111(a)

### Payment information:

Submitted with Payment	no
------------------------	----

### File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Power of Attorney	ILLINC_PTO-SB-80_General_POA_Illumina_Cambridge_Limited.pdf	1422224 a6d9c9f9ec64c03aabd371389abaabb3c4c55e19	no	1

Warnings:

<b>Information:</b>					
2	Assignee showing of ownership per 37 CFR 3.73	ILLINC-381D1_373-Statement.pdf	426972	no	2
			f8dacec7be2b1459605a4bcc3a9739c7b7e6e11		
<b>Warnings:</b>					
<b>Information:</b>					
Total Files Size (in bytes):				1849196	
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