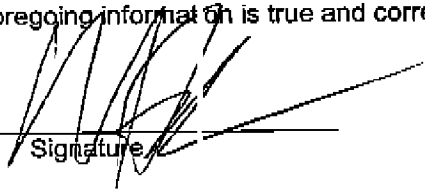


Client Code: ILLINC.040A

**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

To the Director, U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): (List using letters or numbers for multiple parties)</p> <p>a. Mark S. Chee b. Todd A. Dickinson c. Kevin Gunderson d. Don O'Neil e. John R. Stuelpnagel</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: Illumina, Inc. Street Address: 9885 Towne Centre Drive City: San Diego State: CA ZIP: 92121</p> <p>Additional name(s) of receiving party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Security Agreement <input type="checkbox"/> Merger <input type="checkbox"/> Change of Name <input type="checkbox"/> Other:</p> <p>Execution Date: (List as in section 1 if multiple signatures)</p> <p>a. December 13, 2004 b. November 9, 2004 c. November 9, 2004 d. November 13, 2004 e. November 9, 2004</p>	<p>4. US or PCT Application number(s) or US Patent number(s):</p> <p><input checked="" type="checkbox"/> Patent Application No.: 10/897,899 Filing Date: July 23, 2004</p> <p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>5. Party to whom correspondence concerning document should be mailed:</p> <p>Customer No. 20,995 Return Fax: (949) 760-9502 Attorney's Docket No.: ILLINC.040A</p>	<p>6. Total number of applications and patents involved: 1</p>
<p>7. Total fee (37 CFR 1.21(h)): \$40</p> <p><input checked="" type="checkbox"/> Authorized to be charged to deposit account</p>	<p>8. Deposit account number: 11-1410</p> <p>Please charge this account for any additional fees which may be required, or credit any overpayment to this account.</p>
<p>9. Statement and signature.</p> <p>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.</p> <p><u>Michael L. Fuller</u> Name of Person Signing</p> <p><u>36,516</u> Registration No.</p> <p> Signature</p> <p><u>12/16/04</u> Date</p> <p>Total number of pages including cover sheet, attachments and document: 11</p>	

CH \$40.00 111410 10897899

Documents transmitted via Facsimile to be recorded with required cover sheet information to:

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Director, U.S. Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450  
Facsimile Number: (703) 506-5995

ASSIGNMENT

WHEREAS, the undersigned,

(1) Mark S. Chce

(3) Kevin Gunderson

(5) John R. Stuelpnagel

(hereinafter termed "Inventors"), residents of

(1) Encinitas

(3) Encinitas

(5) Encinitas

respectively, Counties of

(1) San Diego

(3) San Diego

(5) San Diego

respectively, States of

(1) California

(3) California

(5) California

(2) Todd A. Dickinson

(4) Don O'Neil

(2) San Diego

(4) Ithaca

(2) San Diego

(4) Tompkins

(2) California

(4) New York

respectively, have invented certain new and useful improvements in

THE USE OF MICROFLUIDIC SYSTEMS IN THE DETECTION OF TARGET ANALYTES USING MICROSPHERE ARRAYS

and have executed an application for a United States patent disclosing and identifying the invention having Serial No. 10/897,899 and filing date of July 23, 2004; and

WHEREAS, Illumina, Inc., a corporation of the State of Delaware, having a place of business at 9885 Towne Centre Drive, San Diego, California 92121, State of California, (hereinafter termed "Assignee"), is desirous of acquiring the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered jointly or severally by said Inventors (all collectively hereinafter termed "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon granted in the United States and foreign countries.

SF-1150509\_1

A-67494-3 (25839/US/4)  
Matter No.: 469249-00417

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventors to have been received in full from said Assignee:

1. Said Inventors do hereby sell, assign, transfer and convey unto said Assignee, the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply for foreign patents on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all patents granted on said invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a division, substitution, or continuation of any of said applications; and (d) in and to each and every reissue or extensions of any of said patents.

2. Said Inventors hereby jointly and severally covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.

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

4. Said Inventors hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Inventors have executed and delivered this instrument to said Assignee as follows:

SF-1150509\_1

A-67494-3 (25839/US/4)  
Matter No.: 469249-00417

Date: Dec 13, 2004 (1) Mark S. Chee  
Mark S. Chee

County of San Diego )  
State of California )

On this \_\_\_ day of \_\_\_\_\_, in the year \_\_\_\_\_, before me, \_\_\_\_\_, Notary Public of the State of \_\_\_\_\_, personally appeared (1) Mark S. Chee, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same in his/her authorized capacity(ies), and that by his/her 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.

Signature \_\_\_\_\_ (Seal)

Date: \_\_\_\_\_ (2) Todd A. Dickinson

County of San Diego )  
State of California )

On this \_\_\_ day of \_\_\_\_\_, in the year 2004, before me, \_\_\_\_\_, Notary Public of the State of \_\_\_\_\_, personally appeared (2) Todd A. Dickinson, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same in his/her authorized capacity(ies), and that by his/her 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.

Signature \_\_\_\_\_ (Seal)

EP-1150509\_1  
A-67494-3 (25839/US/4)  
Matter No.: 469249-00417

Date: \_\_\_\_\_ (3) \_\_\_\_\_ Kevin Gunderson

County of San Diego )  
 )  
 ss.  
State of California )

On this \_\_\_\_ day of \_\_\_\_\_, in the year 2004, before me, \_\_\_\_\_, Notary Public of the State of \_\_\_\_\_, personally appeared (3) Kevin Gunderson, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same in his/her authorized capacity(ies), and that by his/her 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.

Signature \_\_\_\_\_ (Seal)

Date: 11/13/04 (4)  \_\_\_\_\_ Don O'Neil

County of Orange )  
 )  
 ss.  
State of California )

On this \_\_\_\_ day of \_\_\_\_\_, in the year 2004, before me, \_\_\_\_\_, Notary Public of the State of California, personally appeared (4) Don O'Neil, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same in his/her authorized capacity(ies), and that by his/her 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.

Signature \_\_\_\_\_ (Seal)

SF-1150509\_1

A-67494-3 (25839/US/4)  
Matter No.: 469249-00417

Date: Nov 9, 2004 (5) *John R. Stuelpnagel*  
John R. Stuelpnagel

County of San Diego )  
 )  
State of California )  
 )

On this 9<sup>th</sup> day of November, in the year 2004, before me, Joseph Gonzalez, Notary Public of the State of California, personally appeared (5) John R. Stuelpnagel, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/~~she~~ executed the same in his/~~her~~ authorized capacity(~~ies~~), and that by his/~~her~~ 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.

Signature *Joseph Gonzalez*



(Seal)

ASSIGNMENT

WHEREAS, the undersigned,

- (1) Mark S. Chee
- (2) Todd A. Dickinson
- (3) Kevin Gunderson
- (4) Don Q'Neil
- (5) John R. Stuelpnagel

(hereinafter termed "Inventors"), residents of

- (1) Encinitas
- (2) San Diego
- (3) Encinitas
- (4) Ithaca
- (5) Encinitas

respectively, Counties of

- (1) San Diego
- (2) San Diego
- (3) San Diego
- (4) Tompkins
- (5) San Diego

respectively, States of

- (1) California
- (2) California
- (3) California
- (4) New York
- (5) California

respectively, have invented certain new and useful improvements in

THE USE OF MICROFLUIDIC SYSTEMS IN THE DETECTION  
OF TARGET ANALYTES USING MICRO SPHERE ARRAYS

and have executed an application for a United States patent disclosing and identifying the invention having Serial No. 10/897,899 and filing date of July 23, 2004; and

WHEREAS, Illumina, Inc., a corporation of the State of Delaware, having a place of business at 9885 Towne Centre Drive, San Diego, California 92121, State of California, (hereinafter termed "Assignee"), is desirous of acquiring the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered jointly or severally by said Inventors (all collectively hereinafter termed "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon granted in the United States and foreign countries.

SF-1150509\_1

A-67494-3 (25839/US/4)  
Matter No.: 469249-00417

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventors to have been received in full from said Assignee:

1. Said Inventors do hereby sell, assign, transfer and convey unto said Assignee, the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply for foreign patents on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all patents granted on said invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a division, substitution, or continuation of any of said applications; and (d) in and to each and every reissue or extensions of any of said patents.
2. Said Inventors hereby jointly and severally covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.
3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, their respective heirs, legal representatives and assigns.
4. Said Inventors hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Inventors have executed and delivered this instrument to said Assignee as follows:

SF-1150509\_1

A-67494-3 (25839/US/4)  
Matter No.: 469249-00417



Date: \_\_\_\_\_ (1) \_\_\_\_\_  
Mark S. Chee

County of San Diego )  
ss.  
State of California )

On this 11 day of \_\_\_\_\_, in the year \_\_\_\_\_, before me, \_\_\_\_\_, Notary Public of the State of \_\_\_\_\_, personally appeared (1) Mark S. Chee, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same in his/her authorized capacity(ies), and that by his/her 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.

Signature \_\_\_\_\_ (Seal)

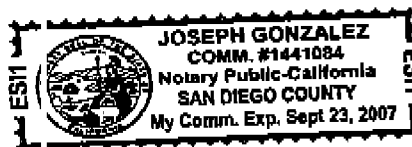
Date: 11/9/04 (2) Todd A. Dickinson  
Todd A. Dickinson

County of San Diego )  
ss.  
State of California )

On this 9 day of November, in the year 2004, before me, Joseph Gonzalez Notary Public of the State of California, personally appeared (2) Todd A. Dickinson, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same in his/her authorized capacity(ies), and that by his/her 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.

Signature [Handwritten Signature]



(Seal)

SF-1150509\_1

A-67494-3 (25839/US/4)  
Matter No.: 469249-00417

Date: 11/9/04 (3) Kevin Gunderson  
Kevin Gunderson

County of San Diego )  
ss.  
State of California )

On this 9 day of November, in the year 2004, before me, Joseph Gonzalez, Notary Public of the State of California, personally appeared (3) Kevin Gunderson, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same in his/her authorized capacity(ies), and that by his/her 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.

Signature [Handwritten Signature]



(Seal)

Date: \_\_\_\_\_ (4) \_\_\_\_\_  
Don O'Neil

County of Tompkins )  
ss.  
State of New York )

On this \_\_\_ day of \_\_\_\_\_, in the year 2004, before me, \_\_\_\_\_, Notary Public of the State of New York, personally appeared (4) Don O'Neil, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same in his/her authorized capacity(ies), and that by his/her 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.

Signature \_\_\_\_\_

(Seal)

SF-1150509\_1

A-67494-3 (25839/US/4)  
Matter No.: 469249-00417

Date: Nov 9, 2004 (5) *John R. Stuelpnagel*  
John R. Stuelpnagel

County of San Diego )  
ss.  
State of California )

On this 9<sup>th</sup> day of November, in the year 2004, before me, Joseph Gonzalez, Notary Public of the State of California, personally appeared (5) John R. Stuelpnagel, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same in his/her authorized capacity(ies), and that by his/her 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.

Signature *Joseph Gonzalez*



(Seal)

SF-1150509\_1

A-67494-3 (25839/US/4)  
Matter No.: 469249-00417