

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Mark T. Reed	10/18/2011
Erik Williamson	10/19/2011
Bryan Crane	10/19/2011
Patrick Leung	10/18/2011
Dale Buermann	10/19/2011
Alexander P. Kindwall	10/18/2011
Frederick Erie	10/19/2011
Mark Pratt	10/18/2011
Jason Harris	10/18/2011
Andrew James Carson	10/19/2011
Stanley S. Hong	10/18/2011
Jason Bryant	10/19/2011
Mark Wang	10/19/2011
Drew Verkade	10/19/2011

RECEIVING PARTY DATA

Name:	illumina, Inc.
Street Address:	9885 Towne Centre Drive
City:	San Diego
State/Country:	CALIFORNIA
Postal Code:	92121

PROPERTY NUMBERS Total: 8

Property Type	Number
Application Number:	61431425
Application Number:	61431429
Application Number:	61431439
Application Number:	61431440

CH \$320.00 61431425

Application Number:	61438486
Application Number:	61438567
Application Number:	61438530
Application Number:	13273666

CORRESPONDENCE DATA

Fax Number: (858)736-8428
 Email: ip@illumina.com
Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.
 Correspondent Name: John T. Murphy
 Address Line 1: 9885 Towne Centre Drive
 Address Line 4: San Diego, CALIFORNIA 92121

ATTORNEY DOCKET NUMBER: IP-0548_BOLTCASES

NAME OF SUBMITTER: John T. Murphy

Total Attachments: 19
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ASSIGNMENT OF IP RIGHTS TO ILLUMINA, INC.

WHEREAS, each one of the undersigned:

Name: **Mark T. Reed**
Address: 25861 Industrial Blvd.
Hayward , CA 94545

Name: **Erik Williamson**
Address: 9885 Towne Centre Drive
San Diego , CA 92121

Name: **Bryan Crane**
Address: 9885 Towne Centre Drive
San Diego , CA 92121

Name: **Patrick Leung**
Address: 25861 Industrial Blvd.
Hayward , CA 94545

Name: **Dale Buermann**
Address: 9885 Towne Centre Drive
San Diego , CA 92121

Name: **Alexander P. Kindwall**
Address: 25861 Industrial Blvd.
Hayward , CA 94545

Name: **Frederick Erie**
Address: 9885 Towne Centre Drive
San Diego , CA 92121

Name: **Mark Pratt**
Address: 25861 Industrial Blvd.
Hayward , CA 94545

Name: **Jason Harris**
Address: 25861 Industrial Blvd.
Hayward , CA 94545

Name: **Andrew James Carson**
Address: 9885 Towne Centre Drive
San Diego , CA 92121

Name: **Stanley S. Hong**
Address: 25861 Industrial Blvd.
Hayward , CA 94545

Name: **Jason Bryant**
Address: Chesterford Research Park
Little Chesterford
Nr. Saffron Walden
Essex CB10 1XL United Kindgom

Name: **Mark Wang**
Address: 9885 Towne Centre Drive
San Diego , CA 92121

Name: **Drew Verkade**
Address: 9885 Towne Centre Drive
San Diego , CA 92121

Assignment of IP Rights to ILLUMINA, INC.
Assignors: Reed *et al.*
File Number: IP-0548

(collectively "the Assignor/s") have made certain new and useful inventions, discoveries, and improvements (the "Inventions"), for which the Assignor/s filed the following application/s:

File No.:	IP-0537-PRV	Outside ref.:	830-0537PR
Title:	SYSTEMS, METHODS, AND APPARATUSES TO IMAGE A SAMPLE FOR BIOLOGICAL OR CHEMICAL ANALYSIS		
Ser. No.:	61/431,425	Filed:	January 10, 2011
File No.:	IP-0542-PRV	Outside ref.:	830-0542PR
Title:	SYSTEMS, METHODS, AND APPARATUSES TO IMAGE A SAMPLE FOR BIOLOGICAL OR CHEMICAL ANALYSIS		
Ser. No.:	61/431,429	Filed:	January 10, 2011
File No.:	IP-0541-PRV	Outside ref.:	830-0541PR
Title:	SYSTEMS, METHODS, AND APPARATUSES TO IMAGE A SAMPLE FOR BIOLOGICAL OR CHEMICAL ANALYSIS		
Ser. No.:	61/431,439	Filed:	January 11, 2011
File No.:	IP-0540-PRV	Outside ref.:	830-0540PR
Title:	SYSTEMS, METHODS, AND APPARATUSES TO IMAGE A SAMPLE FOR BIOLOGICAL OR CHEMICAL ANALYSIS		
Ser. No.:	61/431,440	Filed:	January 11, 2011
File No.:	IP-0548-PRV	Outside ref.:	830-0548PR
Title:	SYSTEMS, METHODS, AND APPARATUSES TO IMAGE A SAMPLE FOR BIOLOGICAL OR CHEMICAL ANALYSIS		
Ser. No.:	61/438,486	Filed:	February 1, 2011
File No.:	IP-0591-PRV	Outside ref.:	830-0591PR
Title:	SYSTEMS, METHODS, AND APPARATUSES TO IMAGE A SAMPLE FOR BIOLOGICAL OR CHEMICAL ANALYSIS		
Ser. No.:	61/438,567	Filed:	February 1, 2011
File No.:	IP-0592-PRV	Outside ref.:	830-0592PR
Title:	SYSTEMS, METHODS, AND APPARATUSES TO IMAGE A SAMPLE FOR BIOLOGICAL OR CHEMICAL ANALYSIS		
Ser. No.:	61/438,530	Filed:	February 1, 2011
File No.:	IP-0548-US	Outside ref.:	830-0548US
Title:	SYSTEMS, METHODS, AND APPARATUSES TO IMAGE A SAMPLE FOR BIOLOGICAL OR CHEMICAL ANALYSIS		
Ser. No.:	13/273,666	Filed:	October 14, 2011

Assignment of IP Rights to ILLUMINA, INC.
Assignors: Reed *et al.*
File Number: IP-0548

File No.:	IP-0548-CN	Outside ref.:	404571-146003
Title:	METHODS TO IMAGE A SAMPLE FOR BIOLOGICAL OR CHEMICAL ANALYSIS		
Ser. No.:	TBD	Filed:	October 13, 2011
File No.:	UM-0006-CN	Outside ref.:	404571-146008
Title:	APPARATUS FOR ALIGNMENT AND DETECTION OF A FLOW CELL		
Ser. No.:	TBD	Filed:	October 13, 2011
File No.:	UM-0007-CN	Outside ref.:	404571-146005
Title:	FLOW CELL AND HOUSING		
Ser. No.:	TBD	Filed:	October 13, 2011
File No.:	UM-0008-CN	Outside ref.:	404571-146007
Title:	CARTRIDGE SYSTEM FOR STORAGE AND DELIVERY OF REAGENTS		
Ser. No.:	TBD	Filed:	October 13, 2011
File No.:	UM-0009-CN	Outside ref.:	404571-146006
Title:	OPTICAL IMAGING SYSTEM AND COMPONENT PARTS FOR IMAGING A FLOW CELL		
Ser. No.:	TBD	Filed:	October 13, 2011
File No.:	UM-0010-CN	Outside ref.:	404571-146004
Title:	NUCLEIC ACID SEQUENCING SYSTEM		
Ser. No.:	TBD	Filed:	October 13, 2011

and now desire/s to convey all right, title, and interest in:

- the Inventions,
- the application/s listed above, and any other applications for patent, design, utility model, certificate of invention, trademark, or trade dress, in any country or under any international or regional authority (e.g. WIPO/PCT, EPO, ARIPO, EAPO, OAPI), to the extent some or all of its subject matter is disclosed and entitled to the benefit of priority in the application/s listed above, including provisional, continuation, divisional, continuation-in-part, reissue, and reexamination applications (collectively “the Application/s”),
- the benefit of earlier filing date and right to claim priority to the Inventions and Application/s under applicable law and treaties, including the Paris Convention for

Assignment of IP Rights to ILLUMINA, INC.

Assignors: Reed *et al.*

File Number: IP-0548

the Protection of Industrial Property as revised and amended and 35 U.S.C. §§ 119, 120,

- any rights accrued by the publication of the Application/s, such as 35 U.S.C. § 154(d), Art. 67(1) EPC,
- any Letters Patent or Certificates of Invention that may be issued or granted from the Application/s, including reissued patents, reexamination certificates, renewals, and any rights resulting from an extension or adjustment of patent term, and
- any rights arising from the Invention under laws and conventions protecting copyright, trademark, trade dress, or other industrial property,

(collectively, “the IP Rights”), and

WHEREAS, ILLUMINA, INC., a Delaware corporation having a place of business at 9885 Towne Centre Drive, San Diego, CA 92121, United States of America is desirous of acquiring the entire right, title, and interest for itself, its successors, and its assigns (collectively “the Assignee”) in the IP Rights by an instrument in writing, 35 U.S.C. § 261;

NOW, THEREFORE, to all whom it may concern, be it known that, for good and valuable consideration, the receipt and sufficiency of which I/we hereby acknowledge and hereby waive the right to any additional compensation concerning the IP Rights:

I/we warrant and represent to the Assignee that I/we have the full right to convey my/our right, title, and interest in the IP Rights without encumbrance, and that I/we have not made any earlier assignment, license, grant, or mortgage to another, or made any agreement with another, that would affect my/our right, title, and interest in the IP Rights;

By this Assignment and by virtue of any earlier agreements to assign, I/we hereby assign, transfer, convey, and sell my/our entire right, title, and interest in the IP Rights to the Assignee, including any claims or causes of action for damages or other remedies arising out of any earlier violation of the IP Rights, for and to inure to the Assignee’s full benefit of the IP Rights as fully as they would have been held by me/us if this Assignment had not been made;

I/we authorize the Assignee and its legal representatives to:

- (a) insert into this Assignment any supplemental information to make the identification more complete for any of the Application/s or Letters Patent already listed above,
- (b) prosecute the Application/s, file new applications for the Invention/s, and do all acts permitted by law to protect and enforce the IP Rights,

Assignment of IP Rights to ILLUMINA, INC.

Assignors: Reed *et al.*

File Number: IP-0548

- (c) request that Letters Patent and Certificates of Invention be issued and granted to and in the name of the Assignee by the issuing or granting authority, such as the U.S. Commissioner for Patents, 37 C.F.R. § 3.81; and

I/we agree with the Assignee that I/we and my/our legal representatives, heirs, and executors will perform all acts deemed necessary or desirable by the Assignee to permit and assist it to secure the entire right, title, and interest in the IP Rights so that the Assignee may benefit from this Assignment, including:

- (a) communicating to the Assignee all facts known to me/us that relate to the history and extent of my individual contribution to the IP Rights, including the circumstances of the conception of the invention and its development and reduction to practice, and furnishing supporting documents or items in my control,
- (b) assisting in the preparation of the Application/s and their prosecution by the Assignee, 37 C.F.R. § 3.71, and in the enforcement of the IP Rights, including making, executing, and delivering to the Assignee any other necessary documents, such as further application papers, declarations, affidavits, disclaimers, petitions, or assignments, and
- (c) assisting and cooperating in administrative and legal proceedings, including giving written and oral testimony,

so that these will be performed without further consideration, except for reasonable actual expenses to be reimbursed by the Assignee.

I/we further agree with the Assignee that I/we will not perform any future act, execute any subsequent document, or make any subsequent agreement with another person or party that conflicts with this Assignment, that purports to transfer any right, title, or interest in the IP Rights that are the subject of this Assignment, unless agreed to in writing by the Assignee or that prevents the Assignee from receiving the full benefit of the bargain under this Assignment.


If any provision of this Assignment is held invalid or unenforceable, that provision shall be enforced to the maximum extent permissible in order to put into effect the intent of the Assignor/s and the Assignee, and the remainder of this Assignment shall not be affected, but continue in full force and effect.

This document shall be executable by each Assignor in parts, and the Assignment will be effective and recordable for each Assignor as of the date of that Assignor's signature.

Assignment of IP Rights to ILLUMINA, INC.
Assignors: Reed *et al.*
File Number: IP-0548

In testimony of this Assignment, I am signing and dating this document below:

Name: Mark T. Reed

Signature:  Date: October 18, 2011

Witness Name: _____ (or Notarization below)

Signature: _____ Date: _____

ACKNOWLEDGMENT

State of California
County of Alameda)

On October 18, 2011 before me, Patricia Nunez-Rabelo
(insert name and title of the officer)

personally appeared ----- Mark Reed -----
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are
subscribed to the within instrument and acknowledged to me that he/she/they executed the same in
his/hers/their authorized capacity(ies), and that by his/hers/their signature(s) on the instrument the
person(s), or the entity upon behalf of which the person(s) acted, executed the instrument

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing
paragraph is true and correct

WITNESS my hand and official seal:

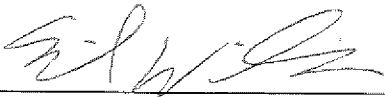
Signature Patricia Nunez-Rabelo (Seal)

PATRICIA NUNEZ-RABELO
Commission # 1897673
Notary Public - California
Alameda County
My Comm. Expires Jul 30, 2014

Assignment of IP Rights to ILLUMINA, INC.
Assignors: Reed *et al.*
File Number: IP-0548

In testimony of this Assignment, I am signing and dating this document below:

Name: Erik Williamson

Signature:  Date: 10/19/2011

Witness Name: _____ (or Notarization below)

Signature: _____ Date: _____

ACKNOWLEDGMENT

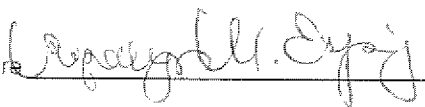
State of California
County of San Diego

On October 19, 2011 before me, Rosalyn M. Espejo, Notary Public
(insert name and title of the officer)

personally appeared Erik Williamson
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are
subscribed to the within instrument and acknowledged to me that he/she/they executed the same in
his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the
person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing
paragraph is true and correct.

WITNESS my hand and official seal.

Signature:  (Seal)

NOTARY PUBLIC
ROSALYN M. ESPEJO
COMM. # 1828896
NOTARY PUBLIC - CALIFORNIA
SAN DIEGO COUNTY
MY COMM. EXP. JAN. 28, 2013

Assignment of IP Rights to ILLUMINA, INC.
Assignors: Reed *et al.*
File Number: IP-0548

In testimony of this Assignment, I am signing and dating this document below:

Name: Bryan Crane

Signature: *Bryan Crane* Date: 10/19/11

Witness Name: _____ (or Notarization below)

Signature: _____ Date: _____

ACKNOWLEDGMENT

State of California
County of San Diego


On October 19, 2011 before me, Rosalyn M. Espejo Notary Public
(insert name and title of the officer)

personally appeared Bryan Crane
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is are
subscribed to the within instrument and acknowledged to me that he she/they executed the same in
his her/their authorized capacity(ies), and that by his her/their signature(s) on the instrument the
person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing
paragraph is true and correct.

WITNESS my hand and official seal.

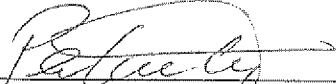
Signature *Rosalyn M. Espejo* (Seal)



Assignment of IP Rights to ILLUMINA, INC.
Assignors: Reed *et al.*
File Number: IP-0548

In testimony of this Assignment, I am signing and dating this document below:

Name: Patrick Leung

Signature:  Date: October 18, 2011

Witness Name: _____ (or Notarization below)

Signature: _____ Date: _____

ACKNOWLEDGMENT

State of California
County of Alameda

On October 18, 2011 before me, Patricia Nunez-Rabelo
(insert name and title of the officer)

personally appeared Patrick Leung
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal

Signature Patricia Nunez-Rabelo (Seal)

PATRICIA NUNEZ-REBELO
Commission # 1997673
Notary Public - California
Alameda County
My Comm. Expires Jul 30, 2014

Assignment of IP Rights to ILLUMINA, INC.
Assignors: Reed *et al.*
File Number: IP-0548

In testimony of this Assignment, I am signing and dating this document below:

Name: Dale Buermann

Signature: *Dale Buermann* Date: 10/19/2011

Witness Name: _____ (or Notarization below)

Signature: _____ Date: _____

ACKNOWLEDGMENT

State of California
County of San Diego


On October 19, 2011 before me, Rosalyn M. Espejo, Notary Public
(insert name and title of the officer)

personally appeared Dale Buermann
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are
subscribed to the within instrument and acknowledged to me that he/she/they executed the same in
his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the
person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing
paragraph is true and correct.

WITNESS my hand and official seal.

Signature *Rosalyn M. Espejo* (Seal)



Assignment of IP Rights to ILLUMINA, INC.
Assignors: Reed *et al.*
File Number: IP-0548

In testimony of this Assignment, I am signing and dating this document below:

Name: Alexander P. Kindwall

Signature: *Alexander P. Kindwall* Date: October 18, 2011

Witness Name: _____ (or Notarization below)

Signature: _____ Date: _____

ACKNOWLEDGMENT

State of California
County of Alameda)

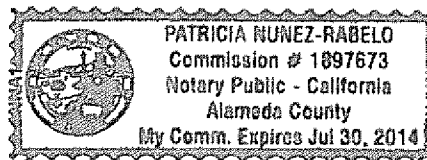
On October 18, 2011 before me, Patricia Nunez-Rabelo
(insert name and title of the officer)

personally appeared Alexander P. Kindwall
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are
subscribed to the within instrument and acknowledged to me that he/she/they executed the same in
his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the
person(s) or the entity upon behalf of which the person(s) acted, executed the instrument

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing
paragraph is true and correct

WITNESS my hand and official seal.

Signature *Patricia Nunez-Rabelo* (Seal)



Assignment of IP Rights to ILLUMINA, INC.
Assignors: Reed *et al.*
File Number: IP-0548

In testimony of this Assignment, I am signing and dating this document below:

Name: Frederick Erie

Signature: *Frederick Erie* Date: 10/19/2011

Witness Name: _____ (or Notarization below)

Signature: _____ Date: _____

ACKNOWLEDGMENT

State of California
County of San Diego


On October 19, 2011 before me, Rosalyn M. Espejo, Notary Public
(insert name and title of the officer)

personally appeared Frederick Erie
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) ~~is/are~~
subscribed to the within instrument and acknowledged to me that ~~he/she/they~~ executed the same in
~~his/her~~ their authorized capacity(ies), and that by ~~his/her~~ their signature(s) on the instrument the
person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing
paragraph is true and correct.

WITNESS my hand and official seal.

Signature *Rosalyn M. Espejo* (Seal)



Assignment of IP Rights to ILLUMINA, INC.
Assignors: Reed *et al.*
File Number: IP-0548

In testimony of this Assignment, I am signing and dating this document below:

Name: Mark Pratt

Signature:  Date: October 18, 2011

Witness Name: _____ (or Notarization below)

Signature: _____ Date: _____

ACKNOWLEDGMENT

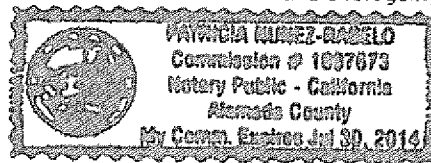
State of California
County of Alameda

On October 18, 2011 before me, Patricia Nunez-Rabelo
(insert name and title of the officer)

personally appeared Mark Pratt
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are
subscribed to the within instrument and acknowledged to me that he/she/they executed the same in
his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the
person(s), or the entity upon behalf of which the person(s) acted, executed the instrument

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing
paragraph is true and correct

WITNESS my hand and official seal.

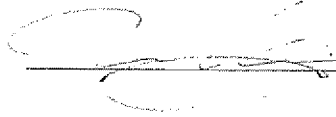


Signature Patricia Nunez-Rabelo (Seal)

Assignment of IP Rights to ILLUMINA, INC.
Assignors: Reed *et al.*
File Number: IP-0548

In testimony of this Assignment, I am signing and dating this document below:

Name: Jason Harris

Signature:  Date: October 18, 2011

Witness Name: _____ (or Notarization below)

Signature: _____ Date: _____

ACKNOWLEDGMENT

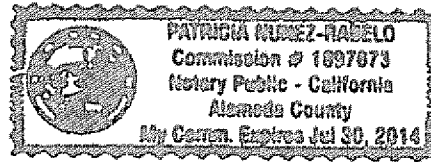
State of California
County of Alameda

On October 18, 2011 before me, Patricia Nunez-Rabelo
(insert name and title of the officer)

personally appeared Jason Harris
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are
subscribed to the within instrument and acknowledged to me that he/she/they executed the same in
his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the
person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing
paragraph is true and correct.

WITNESS my hand and official seal.



Signature Patricia Nuñez Rabelo (Seal)

Assignment of IP Rights to ILLUMINA, INC.
Assignors: Reed *et al.*
File Number: IP-0548

In testimony of this Assignment, I am signing and dating this document below:

Name: Andrew James Carson

Signature: *Andrew James Carson* Date: 10/19/11

Witness Name: _____ (or Notarization below)

Signature: _____ Date: _____

ACKNOWLEDGMENT

State of California
County of San Diego


On October 19, 2011 before me, Rosalyn M. Espejo, Notary Public
(insert name and title of the officer)

personally appeared Andrew James Carson
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are
subscribed to the within instrument and acknowledged to me that he/she/they executed the same in
his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the
person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing
paragraph is true and correct.

WITNESS my hand and official seal.

Signature: *Rosalyn M. Espejo* (Seal)



Assignment of IP Rights to ILLUMINA, INC.
Assignors: Reed *et al.*
File Number: IP-0548

In testimony of this Assignment, I am signing and dating this document below:

Name: Stanley S. Hong

Signature: _____

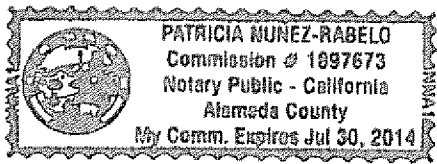


Date: October 18, 2011

Witness Name: _____ (or Notarization below)

Signature: _____

Date: _____

ACKNOWLEDGMENT	
State of California County of <u>Alameda</u>)	
On <u>October 18, 2011</u> before me, <u>Patricia Nunez-Rabelo</u> (insert name and title of the officer)	
personally appeared <u>Stanley S. Hong</u> who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.	
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.	
WITNESS my hand and official seal	
Signature <u>Patricia Nunez-Rabelo</u>	(Seal)
	

Assignment of IP Rights to ILLUMINA, INC.
Assignors: Reed *et al.*
File Number: IP-0548

In testimony of this Assignment, I am signing and dating this document below:

Name: Jason Bryant

Signature: [Handwritten Signature] Date: 10/10/11

Witness Name: YVONNE HANDY (or Notarization below)

Signature: [Handwritten Signature] Date: 10/10/11

ACKNOWLEDGMENT

State of California
County of _____

On _____ before me _____
(insert name and title of the officer)

personally appeared _____
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are
subscribed to the within instrument and acknowledged to me that he/she/they executed the same in
his/her/their authorized capacity(ies); and that by his/her/their signature(s) on the instrument the
person(s) or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing
paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____ (Seal)

Assignment of IP Rights to ILLUMINA, INC.
Assignors: Reed *et al.*
File Number: IP-0548

In testimony of this Assignment, I am signing and dating this document below:

Name: Mark Wang

Signature: [Handwritten Signature] Date: 10/19/11

Witness Name: _____ (or Notarization below)

Signature: _____ Date: _____

ACKNOWLEDGMENT

State of California
County of San Diego

On October 19, 2011 before me, Rosalyn M. Espejo, Notary Public
(insert name and title of the officer)

personally appeared Mark Wang
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) ~~is/are~~
subscribed to the within instrument and acknowledged to me that ~~he/she/they~~ executed the same in
~~his/her~~ their authorized capacity(ies), and that by ~~his/her~~ their signature(s) on the instrument the
person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing
paragraph is true and correct.

WITNESS my hand and official seal.

Signature [Handwritten Signature] (Seal)

ROSALYN M. ESPEJO
COMM. # 1828896
NOTARY PUBLIC - CALIFORNIA
SAN DIEGO COUNTY
MY COMM. EXP. JAN. 28, 2013

Assignment of IP Rights to ILLUMINA, INC.
Assignors: Reed *et al.*
File Number: IP-0548

In testimony of this Assignment, I am signing and dating this document below:

Name: Drew Verkade

Signature: *[Handwritten Signature]* Date: 10/19/11

Witness Name: _____ (or Notarization below)

Signature: _____ Date: _____

ACKNOWLEDGMENT

State of California
County of San Diego

On October 19, 2011 before me, Rosalyn M. Espejo, Notary Public
(insert name and title of the officer)

personally appeared Drew Verkade
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are
subscribed to the within instrument and acknowledged to me that he/she/they executed the same in
his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the
person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing
paragraph is true and correct.

WITNESS my hand and official seal.

Signature *[Handwritten Signature]* (Seal)

