# 504385445 05/25/2017

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4432141

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
XIAOHAI LIU		07/17/2012
GEOFFREY PAUL SMITH		08/06/2012
JONATHAN MARK BOUTELL		07/20/2012
THOMAS JOSEPH		08/22/2012
XIAOLIN WU		07/13/2012
RANDALL SMITH		08/06/2012
HELMY A. ELTOUKHY		08/16/2012
ROBERT C. KAIN		08/06/2012
BERNARD HIRSCHBEIN		08/02/2012

Name:	ILLUMINA, INC.
Street Address:	5200 ILLUMINA WAY
City:	SAN DIEGO
State/Country:	CALIFORNIA
Postal Code:	92122

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15207892

#### **CORRESPONDENCE DATA**

Fax Number:	(858)	255-5104	
Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.			
Phone:	8582	555104	
Email:	ip@ill	lumina.com	
Correspondent Name:	ILLUI	MINA, INC.	
Address Line 1:	5200	ILLUMINA WAY	
Address Line 4:	SAN	DIEGO, CALIFORNIA 92122	
ATTORNEY DOCKET NUMBER	:	IP-0538A-US	
NAME OF SUBMITTER:		CYNTHIA A. WILLIS	

SIGNATURE:	/Cynthia A. Willis/	
DATE SIGNED:	05/25/2017	
Total Attachments: 13		
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## ASSIGNMENT OF IP RIGHTS TO ILLUMINA, INC.

WHEREAS, each one of the undersigned:

Name: Address:	Xiaohai Liu Chesterford Research Park Little Chesterford Nr Saffron Walden Essex United Kingdom CB10 1XL
Name: Address:	Geoffrey Paul Smith Chesterford Research Park Little Chesterford Nr Saffron Walden Essex United Kingdom CB10 1XL
Name: Address:	<b>Jonathan Mark Boutell</b> Chesterford Research Park Little Chesterford Nr Saffron Walden Essex United Kingdom CB10 1XL
Name: Address:	<b>Thomas Joseph</b> 5200 Illumina Way San Diego , CA 92122
Name: Address:	Xiaolin Wu Chesterford Research Park Little Chesterford Nr Saffron Walden Essex United Kingdom CB10 1XL
Name: Address:	<b>Randall Smith</b> 5200 Illumina Way San Diego , CA 92122
Name: Address:	<b>Helmy A Eltoukhy</b> 25861 Industrial Blvd. Hayward, CA 94545

Name:	Robert C. Kain
Address:	5200 Illumina Way
	San Diego, CA 92122

Name: Bernard Hirschbein Address: 25861 Industrial Blvd. Hayward, CA 94545

(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-0538-PRV		
Title:	Methods and compositions	for nucleic acid	l sequencing
Ser. No.	61/538,294	Filed:	September 23, 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 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,

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(collectively, "the IP Rights"), and

WHEREAS, ILLUMINA, INC., a Delaware corporation having a place of business at 5200 Illumina Way, San Diego, CA 92122, 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, and 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,
- (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.

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

Name:

Signature

Xiadhai Lin 17/67/2012

Date:

Witness Name:	YVONNE	Harry.
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Signature:

Date:

17/07/12

Rev. Feb. 27, 2011

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

Name:

Geoffrey Paul Smith

Signature

Date:

Aug 2012

YVONNE HANDY. Witness Name:

Signature:

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Lah		1
0	August	12_
<u> </u>	TIGOSE	12.

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

Name:

Jonathan Mark Boutell

Signature

Date:

J. Birdel	
20/07/12	

Witness Name:

YVONNE HANDY.

Signature:

WAA	ndy	
	2	
JON	JULY	12

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

Name	Thomas Joseph
Signat Date:	$e $ $\frac{1}{10000000000000000000000000000000000$
	ACKNOWLEDGMENT
	tate of California ounty ofSurSur n <u>August 22, 2012</u> before me, <u>Dia Zavenbok</u> , <u>Motare</u> , <u>Public</u> (insert name and title of the office) ersonally appeared
	ITNESS my hand and official seal. ITNESS my hand a
	gnature (Seal)

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

Name:	Xiaolin Wu
Signature	Kelsuli
Date:	13/07/2012

Witness Name:	YVONNE	HANDY.
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TAMandy	
	2
13th JULY	12.

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

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Name:

**Randall Smith** 

Signature

I

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Signatu	119	Yai	ull r			(Seal)		My Comm. Expl	99 AUG 18, 2	015

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

Name:

Helmy A Eltoukhy

August 16, 2012

Signature

91-

State of California County of <u>Ala</u> On <u>August 16</u> ,		)	
on <u>August 16</u> ,			
		(អាទ	atricia Nunez-Rabelo
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WITNESS my hand a	nd official seal.		

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

Name:

Robert C. Kain

Signature

94C94 8/6/12

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ENALTY OF PERJU	RY under the	alaws of the State	of California that the foregoing			
ind and official seat.	/		IRJA ZAREMBOK Commission # 1948619 Notary Public - California San Diego County My Comm. Expires Aug 18, 2015			
	eared <u>Robust</u> me on the basis of sain the within instrument a thorized capacity(ies), e entity upon behalf o	eared Kout Cr Ko me on the basis of satisfactory evi ne within instrument and acknowle thorized capacity(ies), and that by e entity upon behalf of which the p PENALTY OF PERJURY under the ne and correct.	<u>eared</u> <u>Robert C, Kaik</u> me on the basis of satisfactory evidence to be the p ne within instrument and acknowledged to me that h thorized capacity(ies), and that by his/her/their signal e entity upon behalf of which the person(s) acted, e PENALTY OF PERJURY under the laws of the State he and correct.			

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

Name:

**Bernard Hirschbein** 

August 2, 2012

Signature

Virschben ernar

Date:

	ACKNOWLEDGMENT
State of California County of <u>Alameda</u>	)
on_August 2, 2012	before me,Patricia Nunez-Rabelo, Notary (insert name and title of the officer)
who proved to me on the basis subscribed to the within instrum his/ber/their authorized capacit	Bernard Hischbein s of satisfactory evidence to be the person(s) whose name(s) is/are ment and acknowledged to me that he/she/they executed the same i by(ies), and that by his/her/their signature(s) on the instrument the
	ERJURY under the laws of the State of California that the foregoing
	PATRICIA NUNEZ-RABELO
WITNESS my hand and official signature <u>PAMUA Nune</u> 2	Alemeda County

Rev. Feb. 27, 2011

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**RECORDED: 05/25/2017**