

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5813676

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	BOYAN BOYANOV	03/01/2019
	LIANGLIANG QIANG	03/01/2019
	KEVIN L. GUNDERSON	04/08/2019
	KAY KLAUSING	09/17/2019
	LEA PICKERING	03/04/2019
	CYRIL DE LATTRE	03/01/2019
	TARUN KHURANA	04/25/2019
RECEIVING PARTY DATA		
Name:	ILLUMINA, INC.	
Street Address:	5200 ILLUMINA WAY	
City:	SAN DIEGO, CA	
State/Country:	CALIFORNIA	
Postal Code:	92122	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	15507465
CORRESPONDENCE DATA		
Fax Number:	(858)202-4545	
<i>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.</i>		
Phone:	8582024500	
Email:	dglisson@illumina.foundationip.com, illuminaadocket@illumina.foundationip.com	
Correspondent Name:	ILLUMINA, INC.	
Address Line 1:	5200 ILLUMINA WAY	
Address Line 4:	SAN DIEGO, CA, CALIFORNIA 92121	
ATTORNEY DOCKET NUMBER:	IP-1204-US	
NAME OF SUBMITTER:	DAVE GLISSON	
SIGNATURE:	/Dave Glisson/	
DATE SIGNED:	11/11/2019	

Total Attachments: 9

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ASSIGNMENT FROM INVENTORS

Docket No.: IP-1204-US

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Title: COMPOSITIONS, SYSTEMS, AND METHODS FOR DETECTING THE PRESENCE OF POLYMER SUBUNITS USING CHEMILUMINESCENCE

U.S. Application No.: 15/507,465

Filing Date: February 28, 2017

Inventors: Boyan Boyanov, Liangliang Qiang, Kevin L. Gunderson, Kay Klausning, Lea Pickering, Cyril De Lattre, Tarun Khurana

WHEREAS, above-identified inventors (collectively "the Assignors") have made certain new and useful inventions, discoveries, and improvements (the "Inventions"), for which the Assignors filed the application listed above and now desire to convey all right, title, and interest in:

- the Inventions,
- the application 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 listed above, including provisional, continuation, divisional, continuation-in-part, reissue, and reexamination applications (collectively "the Applications"),
- the benefit of earlier filing date and right to claim priority to the Inventions and Applications 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 Applications, such as 35 U.S.C. § 154(d), Art. 67(1) EPC,
- any Letters Patents or Certificates of Invention that may be issued or granted from the Applications, 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 5200 Illumina Way, San Diego, California 92122 USA, 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 hereby acknowledge and hereby waive the right to any additional compensation concerning the IP Rights:

ASSIGNMENT FROM INVENTORS

Docket No.: IP-1204-US

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Title: COMPOSITIONS, SYSTEMS, AND METHODS FOR DETECTING THE PRESENCE OF POLYMER SUBUNITS USING CHEMILUMINESCENCE

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Inventors: Boyan Boyanov, Liangliang Qiang, Kevin L. Gunderson, Kay Klausing, Lea Pickering, Cyril De Lattre, Tarun Khurana

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

By this Assignment and by virtue of any earlier agreements to assign, hereby assign, transfer, convey, and sell my 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 if this Assignment had not been made;

I 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 Applications or Letters Patents already listed above,
- (b) prosecute the Applications, file new applications for the Inventions, and do all acts permitted by law to protect and enforce the IP Rights,
- (c) request that Letters Patents 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 agree with the Assignee that and my 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 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 Applications 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

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Docket No.: IP-1204-US

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- (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.

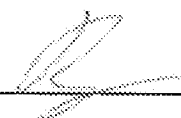
I further agree with the Assignee that will not perform any future act, execute any subsequent document, or make any subsequent agreement with another person or party that conflicts with this Assignment, that purports to transfer any right, title, or interest in the IP Rights that are the subject of 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 Assignors 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.

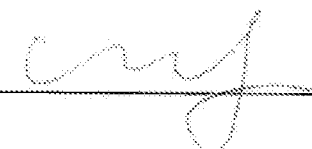
Legal Name of Inventor: Boyan Boyanov

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 1 day of March, 2019.

Signature: 

Legal Name of Inventor: Liangliang Qiang

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 1 day of March, 2019.

Signature: 

ASSIGNMENT FROM INVENTORS

Docket No.: IP-1204-US

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Title: COMPOSITIONS, SYSTEMS, AND METHODS FOR DETECTING THE PRESENCE OF POLYMER SUBUNITS USING CHEMILUMINESCENCE

U.S. Application No.: 15/507,465

Filing Date: February 28, 2017

Inventors: Boyan Boyanov, Liangliang Qiang, Kevin L. Gunderson, Kay Klausing, Lea Pickering, Cyril De Lattre, Tarun Khurana

Legal Name of Inventor: Kevin L. Gunderson

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 8th day of April, 2019.

Signature: 

Legal Name of Inventor: Kay Klausing

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this _____ day of _____, 20_____.

Signature: _____

Legal Name of Inventor: Lea Pickering

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this _____ day of _____, 20_____.

Signature: _____

Legal Name of Inventor: Cyril De Lattre

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this _____ day of _____, 20_____.

Signature: _____

PATENT

REEL: 050972 FRAME: 0053

ASSIGNMENT FROM INVENTORS

Docket No.: IP-1204-US

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Title: COMPOSITIONS, SYSTEMS, AND METHODS FOR DETECTING THE PRESENCE OF POLYMER SUBUNITS
USING CHEMILUMINESCENCE

U.S. Application No.: 15/507,465

Filing Date: February 28, 2017

Inventors: Boyan Boyanov, Liangliang Qiang, Kevin L. Gunderson, Kay Klausing, Lea Pickering,
Cyril De Lattre, Tarun Khurana

Legal Name of Inventor: Kevin L. Gunderson

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this ____ day of _____, 20____.

Signature: _____

Legal Name of Inventor: Kay Klausing

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 17 day of September, 2017.

Signature: _____

Legal Name of Inventor: Lea Pickering

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this ____ day of _____, 20____.

Signature: _____

Legal Name of Inventor: Cyril De Lattre

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this ____ day of _____, 20____.

Signature: _____

PATENT

REEL: 050972 FRAME: 0054

ASSIGNMENT FROM INVENTORS

Docket No.: IP-1204-US

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Title: COMPOSITIONS, SYSTEMS, AND METHODS FOR DETECTING THE PRESENCE OF POLYMER SUBUNITS
USING CHEMILUMINESCENCE

U.S. Application No.: 15/507,465

Filing Date: February 28, 2017

Inventors: Boyan Boyanov, Liangliang Qiang, Kevin L. Gunderson, Kay Klausing, Lea Pickering,
Cyril De Lattre, Tarun Khurana

Legal Name of Inventor: **Kevin L. Gunderson**

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this ____ day of _____, 20____.

Signature: _____

Legal Name of Inventor: **Kay Klausing**

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this ____ day of _____, 20____.

Signature: _____

Legal Name of Inventor: **Lea Pickering**

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 4th day of MARCH, 2019.

Signature: Lea Pickering

Legal Name of Inventor: **Cyril De Lattre**

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this ____ day of _____, 20____.

Signature: _____

ASSIGNMENT FROM INVENTORS

Docket No.: IP-1204-US

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Title: COMPOSITIONS, SYSTEMS, AND METHODS FOR DETECTING THE PRESENCE OF POLYMER SUBUNITS USING CHEMILUMINESCENCE

U.S. Application No.: 15/507,465

Filing Date: February 28, 2017

Inventors: Boyan Boyanov, Liangliang Qiang, Kevin L. Gunderson, Kay Klausing, Lea Pickering, Cyril De Lattre, Tarun Khurana

Legal Name of Inventor: Kevin L. Gunderson

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this ____ day of _____, 20____.

Signature: _____

Legal Name of Inventor: Kay Klausing

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this ____ day of _____, 20____.

Signature: _____

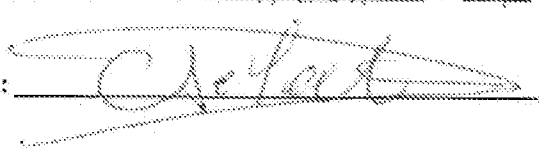
Legal Name of Inventor: Lea Pickering

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this ____ day of _____, 20____.

Signature: _____

Legal Name of Inventor: Cyril De Lattre

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 1st day of March, 2019.

Signature:  _____

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Title: COMPOSITIONS, SYSTEMS, AND METHODS FOR DETECTING THE PRESENCE OF POLYMER SUBUNITS
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Filing Date: February 28, 2017

Inventors: Boyan Boyanov, Liangliang Qiang, Kevin L. Gunderson, Kay Klausing, Lea Pickering,
Cyril De Lattre, Tarun Khurana

Legal Name of Inventor: Tarun Khurana

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 25th day of April, 2019.

Signature: Tarun Khurana

PATENT

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Title: COMPOSITIONS, SYSTEMS, AND METHODS FOR DETECTING THE PRESENCE OF POLYMER SUBUNITS
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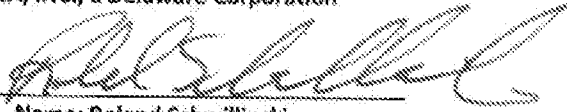
U.S. Application No.: 15/507,465

Filing Date: February 28, 2017

Inventors: Boyan Boyanov, Liangliang Qiang, Kevin L. Gunderson, Kay Klausning, Lea Pickering,
Cyril De Lattre, Tarun Khurana

RECEIVED AND HEREBY ACCEPTED BY ILLUMINA, INC., a Delaware Corporation

Date: 9/23/19


Name: Roland Schwillinski

Title: Vice President, Global IP and Litigation of
Illumina, Inc.