

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT5683617

|                                  |                       |
|----------------------------------|-----------------------|
| <b>SUBMISSION TYPE:</b>          | NEW ASSIGNMENT        |
| <b>NATURE OF CONVEYANCE:</b>     | ASSIGNMENT            |
| <b>CONVEYING PARTY DATA</b>      |                       |
| <b>Name</b>                      | <b>Execution Date</b> |
| JAMES TSAY                       | 08/27/2018            |
| ANMIV PRABHU                     | 09/12/2018            |
| DAVID HEINER                     | 09/21/2018            |
| EDWIN LI                         | 09/21/2018            |
| JOHN M. BEIERLE                  | 09/17/2018            |
| KEVAN SAMIEE                     | 10/01/2018            |
| KRISTINA MUNOZ                   | 09/11/2018            |
| LEONID MALEVANCHIK               | 08/30/2018            |
| LUDOVIC VINCENT                  | 08/29/2018            |
| NAIQIAN ZHAN                     | 09/11/2018            |
| PEYTON SHIEH                     | 08/31/2018            |
| ROBERT YANG                      | 09/12/2018            |
| SAMANTHA SCHMITT                 | 08/30/2018            |
| SANG PARK                        | 09/19/2018            |
| SCOTT BAILEY                     | 09/12/2018            |
| SEAN M. RAMIREZ                  | 08/28/2018            |
| SUNMIN AHN                       | 09/13/2018            |
| VALERIE UZZELL                   | 09/12/2018            |
| WEI WEI                          | 09/12/2018            |
| YUXIANG HUANG                    | 08/29/2018            |
| TYLER JAMISON DILL               | 09/07/2018            |
| <b>RECEIVING PARTY DATA</b>      |                       |
| <b>Name:</b>                     | ILLUMINA, INC.        |
| <b>Street Address:</b>           | 5200 ILLUMINA WAY     |
| <b>City:</b>                     | SAN DIEGO, CA         |
| <b>State/Country:</b>            | CALIFORNIA            |
| <b>Postal Code:</b>              | 92122                 |
| <b>PROPERTY NUMBERS Total: 2</b> |                       |

| Property Type       | Number       |
|---------------------|--------------|
| Application Number: | 15848450     |
| PCT Number:         | US2017067645 |

#### CORRESPONDENCE DATA

**Fax Number:** (858)202-4545

**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:** 8582024500

**Email:** dglisson@illumina.foundationip.com,  
illuminadocket@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-1487-US

**NAME OF SUBMITTER:** DAVE GLISSON

**SIGNATURE:** /Dave Glisson/

**DATE SIGNED:** 08/23/2019

#### Total Attachments: 24

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## ASSIGNMENT FROM INVENTORS

Docket No.: IP-1487-US

Page 1 of 8

Title: FLOW CELL PACKAGE AND METHOD FOR MAKING THE SAME

U.S. Application No.: 15/848,450

Filing Date: December 20, 2017

Docket No.: IP-1487-PCT

PCT Application No. PCT/US2017/67645

Filing Date: December 20, 2017

Inventors: James Tsay, Anmiv Prabhu, David Heiner, Edwin Li, Alexandre Richez, John M. Beierle, Kevan Samiee, Kristina Munoz, Leonid Malevanchik, Ludovic Vincent, Naigian Zhan, Peyton Shieh, Robert Yang, Samantha Schmitt, Sang Park, Scott Bailey, Sean M. Ramirez, Sunmin Ahn, Valerie Uzzell, Wei Wei, Yuxiang Huang, Tyler Jamison Dill

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 applications listed above and now desire to convey all right, title, and interest in:

- the Inventions,
- the applications 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 applications 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;

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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:

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:

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Docket No.: IP-1487-US

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- (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
- (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.

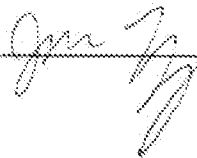
If any provision of this Assignment is held invalid or unenforceable, that provision shall be enforced to the maximum extent permissible in order to put into effect the intent of the Assignors and the Assignee, and the remainder of this Assignment shall not be affected, but continue in full force and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

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 27<sup>th</sup> day of August, 20 18.

Signature: \_\_\_\_\_



## ASSIGNMENT FROM INVENTORS

Docket No.: IP-1487-US

Page 4 of 8

Title: FLOW CELL PACKAGE AND METHOD FOR MAKING THE SAME

U.S. Application No.: 15/848,450

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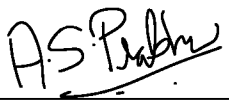
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Legal Name of Inventor: **Anmiv Prabhu**

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 12 day of Se, 2018.

Signature: 

Legal Name of Inventor: **David Heiner**

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

Signature: \_\_\_\_\_

Legal Name of Inventor: **Edwin Li**

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

Signature: \_\_\_\_\_

Legal Name of Inventor: **John M. Beierle**

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

Signature: \_\_\_\_\_

Legal Name of Inventor: **Kevan Samiee**

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

Signature: \_\_\_\_\_

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Legal Name of Inventor: **Anmiv Prabhu**

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

Signature: \_\_\_\_\_

Legal Name of Inventor: **David Heiner**

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 21<sup>st</sup> day of September, 2018.

Signature: \_\_\_\_\_

Legal Name of Inventor: **Edwin Li**

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

Signature: \_\_\_\_\_

Legal Name of Inventor: **John M. Beierle**

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

Signature: \_\_\_\_\_

Legal Name of Inventor: **Kevan Samiee**

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

Signature: \_\_\_\_\_

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Legal Name of Inventor: **Anmiv Prabhu**

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

Signature: \_\_\_\_\_

Legal Name of Inventor: **David Heiner**

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

Signature: \_\_\_\_\_

Legal Name of Inventor: **Edwin Li**

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 21 day of September, 20 18.

Signature:  \_\_\_\_\_

Legal Name of Inventor: **John M. Beierle**

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

Signature: \_\_\_\_\_

Legal Name of Inventor: **Kevan Samiee**

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

Signature: \_\_\_\_\_

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Legal Name of Inventor: **Anmiv Prabhu**

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

Signature: \_\_\_\_\_

Legal Name of Inventor: **David Heiner**

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

Signature: \_\_\_\_\_

Legal Name of Inventor: **Edwin Li**

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

Signature: \_\_\_\_\_

Legal Name of Inventor: **John M. Beierle**

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 17 day of Sept., 2018.

Signature:  \_\_\_\_\_

Legal Name of Inventor: **Kevan Samiee**

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

Signature: \_\_\_\_\_

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Legal Name of Inventor: **Anmiv Prabhu**

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

Signature: \_\_\_\_\_

Legal Name of Inventor: **David Heiner**

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

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Legal Name of Inventor: **Edwin Li**

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Signature: \_\_\_\_\_

Legal Name of Inventor: **John M. Beierle**

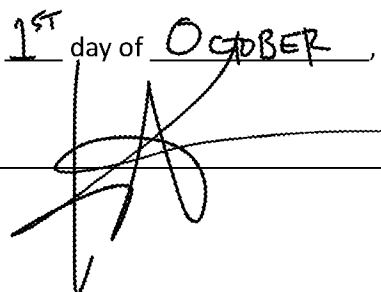
IN TESTIMONY WHEREOF, I hereunto set my hand and seal this \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

Signature: \_\_\_\_\_

Legal Name of Inventor: **Kevan Samiee**

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 1<sup>st</sup> day of OCTOBER, 2018.

Signature: \_\_\_\_\_



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Legal Name of Inventor: **Kristina Munoz**

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 11 day of September, 2018.

Signature: \_\_\_\_\_

Legal Name of Inventor: **Leonid Malevanchik**

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

Signature: \_\_\_\_\_

Legal Name of Inventor: **Ludovic Vincent**

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

Signature: \_\_\_\_\_

Legal Name of Inventor: **Naiqian Zhan**

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

Signature: \_\_\_\_\_

Legal Name of Inventor: **Peyton Shieh**

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

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Legal Name of Inventor: **Kristina Munoz**

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

Signature: \_\_\_\_\_

Legal Name of Inventor: **Leonid Malevanchik**

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 30 day of August, 2018.

Signature: \_\_\_\_\_

Legal Name of Inventor: **Ludovic Vincent**

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

Signature: \_\_\_\_\_

Legal Name of Inventor: **Naiqian Zhan**

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

Signature: \_\_\_\_\_

Legal Name of Inventor: **Peyton Shieh**

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Legal Name of Inventor: Kristina Munoz

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Signature: \_\_\_\_\_

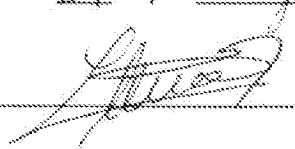
Legal Name of Inventor: Leonid Malevanchik

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

Signature: \_\_\_\_\_

Legal Name of Inventor: Ludovic Vincent

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 29 day of August, 2018.

Signature:  \_\_\_\_\_

Legal Name of Inventor: Naigian Zhan

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

Signature: \_\_\_\_\_

Legal Name of Inventor: Peyton Shieh

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Inventors: James Tsay, Anmiv Prabhu, David Heiner, Edwin Li, Alexandre Richez, John M. Beierle, Kevan Samiee, Kristina Munoz, Leonid Malevanchik, Ludovic Vincent, Naiqian Zhan, Peyton Shieh, Robert Yang, Samantha Schmitt, Sang Park, Scott Bailey, Sean M. Ramirez, Sunmin Ahn, Valerie Uzzell, Wei Wei, Yuxiang Huang, Tyler Jamison Dill

Legal Name of Inventor: Kristina Munoz

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

Signature: \_\_\_\_\_

Legal Name of Inventor: Leonid Malevanchik

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

Signature: \_\_\_\_\_

Legal Name of Inventor: Ludovic Vincent

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

Signature: \_\_\_\_\_

Legal Name of Inventor: Naiqian Zhan

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 11 day of September, 2018.

Signature: Naiqian Zhan

Legal Name of Inventor: Peyton Shieh

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

Signature: \_\_\_\_\_

## ASSIGNMENT FROM INVENTORS

Docket No.: IP-1487-US

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Title: FLOW CELL PACKAGE AND METHOD FOR MAKING THE SAME

U.S. Application No.: 15/848,450

Filing Date: December 20, 2017

Docket No.: IP-1487-PCT

PCT Application No. PCT/US2017/67645

Filing Date: December 20, 2017

Inventors: James Tsay, Anmiv Prabhu, David Heiner, Edwin Li, Alexandre Richez, John M. Beierle, Kevan Samiee, Kristina Munoz, Leonid Malevanchik, Ludovic Vincent, Naiqian Zhan, Peyton Shieh, Robert Yang, Samantha Schmitt, Sang Park, Scott Bailey, Sean M. Ramirez, Sunmin Ahn, Valerie Uzzell, Wei Wei, Yuxiang Huang, Tyler Jamison Dill

Legal Name of Inventor: **Kristina Munoz**

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

Signature: \_\_\_\_\_

Legal Name of Inventor: **Leonid Malevanchik**

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

Signature: \_\_\_\_\_

Legal Name of Inventor: **Ludovic Vincent**

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

Signature: \_\_\_\_\_

Legal Name of Inventor: **Naiqian Zhan**

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

Signature: \_\_\_\_\_

Legal Name of Inventor: **Peyton Shieh**

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 31 day of August, 2018.

Signature: Peyton Shieh

## ASSIGNMENT FROM INVENTORS

Docket No.: IP-1487-US

Page 6 of 8

Title: FLOW CELL PACKAGE AND METHOD FOR MAKING THE SAME

U.S. Application No.: 15/848,450

Filing Date: December 20, 2017

Docket No.: IP-1487-PCT

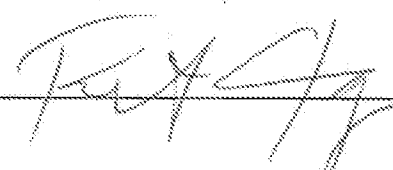
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Legal Name of Inventor: **Robert Yang**

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 12<sup>th</sup> day of September, 2018.

Signature: 

Legal Name of Inventor: **Samantha Schmitt**

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

Signature: \_\_\_\_\_

Legal Name of Inventor: **Sang Park**

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

Signature: \_\_\_\_\_

Legal Name of Inventor: **Scott Bailey**

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

Signature: \_\_\_\_\_

Legal Name of Inventor: **Sean M. Ramirez**

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

Signature: \_\_\_\_\_

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Legal Name of Inventor: **Robert Yang**

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

Signature: \_\_\_\_\_

Legal Name of Inventor: **Samantha Schmitt**

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 30 day of August, 2018.

Signature: Samantha Schmitt

Legal Name of Inventor: **Sang Park**

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

Signature: \_\_\_\_\_

Legal Name of Inventor: **Scott Bailey**

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

Signature: \_\_\_\_\_

Legal Name of Inventor: **Sean M. Ramirez**

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

Signature: \_\_\_\_\_

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Inventors: James Tsay, Anmiv Prabhu, David Heiner, Edwin Li, Alexandre Richez, John M. Beierle, Kevan Samiee, Kristina Munoz, Leonid Malevanchik, Ludovic Vincent, Naigian Zhan, Peyton Shieh, Robert Yang, Samantha Schmitt, Sang Park, Scott Bailey, Sean M. Ramirez, Sunmin Ahn, Valerie Uzzell, Wei Wei, Yuxiang Huang, Tyler Jamison Dill

Legal Name of Inventor: Robert Yang

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

Signature: \_\_\_\_\_

Legal Name of Inventor: Samantha Schmitt

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

Signature: \_\_\_\_\_

Legal Name of Inventor: Sang Park

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 19<sup>th</sup> day of September, 2018.

Signature: Sang Park

Legal Name of Inventor: Scott Bailey

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

Signature: \_\_\_\_\_

Legal Name of Inventor: Sean M. Ramirez

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

Signature: \_\_\_\_\_

**PATENT**

**REEL: 050156 FRAME: 0018**

## ASSIGNMENT FROM INVENTORS

Docket No.: IP-1487-US

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Title: FLOW CELL PACKAGE AND METHOD FOR MAKING THE SAME

U.S. Application No.: 15/848,450

Filing Date: December 20, 2017

Docket No.: IP-1487-PCT

PCT Application No. PCT/US2017/67645

Filing Date: December 20, 2017

Inventors: James Tsay, Anmiv Prabhu, David Heiner, Edwin Li, Alexandre Richez, John M. Beierle, Kevan Samiee, Kristina Munoz, Leonid Malevanchik, Ludovic Vincent, Naigian Zhan, Peyton Shieh, Robert Yang, Samantha Schmitt, Sang Park, Scott Bailey, Sean M. Ramirez, Sunmin Ahn, Valerie Uzzell, Wei Wei, Yuxiang Huang, Tyler Jamison Dill

Legal Name of Inventor: **Robert Yang**

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

Signature: \_\_\_\_\_

Legal Name of Inventor: **Samantha Schmitt**

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

Signature: \_\_\_\_\_

Legal Name of Inventor: **Sang Park**

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

Signature: \_\_\_\_\_

Legal Name of Inventor: **Scott Bailey**

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 12<sup>th</sup> day of September, 20 18.

Signature: \_\_\_\_\_

Legal Name of Inventor: **Sean M. Ramirez**

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

Signature: \_\_\_\_\_

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Inventors: James Tsay, Anmiv Prabhu, David Heiner, Edwin Li, Alexandre Richez, John M. Beierle, Kevan Samiee, Kristina Munoz, Leonid Malevanchik, Ludovic Vincent, Naigian Zhan, Peyton Shieh, Robert Yang, Samantha Schmitt, Sang Park, Scott Bailey, Sean M. Ramirez, Sunmin Ahn, Valerie Uzzell, Wei Wei, Yuxiang Huang, Tyler Jamison Dill

Legal Name of Inventor: **Robert Yang**

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

Signature: \_\_\_\_\_

Legal Name of Inventor: **Samantha Schmitt**

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

Signature: \_\_\_\_\_

Legal Name of Inventor: **Sang Park**

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

Signature: \_\_\_\_\_

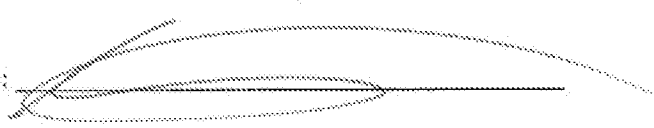
Legal Name of Inventor: **Scott Bailey**

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

Signature: \_\_\_\_\_

Legal Name of Inventor: **Sean M. Ramirez**

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 28 day of August, 2018.

Signature: 

**ASSIGNMENT FROM INVENTORS**

Docket No.: IP-1487-US

Page 7 of 8

Title: FLOW CELL PACKAGE AND METHOD FOR MAKING THE SAME

U.S. Application No.: 15/848,450

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Inventors: James Tsay, Anmiv Prabhu, David Heiner, Edwin Li, Alexandre Richez, John M. Beierle, Kevan Samiee, Kristina Munoz, Leonid Malevanchik, Ludovic Vincent, Naiqian Zhan, Peyton Shieh, Robert Yang, Samantha Schmitt, Sang Park, Scott Bailey, Sean M. Ramirez, Sunmin Ahn, Valerie Uzzell, Wei Wei, Yuxiang Huang, Tyler Jamison Dill

Legal Name of Inventor: **Sunmin Ahn**

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 13 day of September, 2018.

Signature: 

Legal Name of Inventor: **Valerie Uzzell**

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

Signature: \_\_\_\_\_

Legal Name of Inventor: **Wei Wei**

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

Signature: \_\_\_\_\_

Legal Name of Inventor: **Yuxiang Huang**

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

Signature: \_\_\_\_\_

Legal Name of Inventor: **Tyler Jamison Dill**

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

Signature: \_\_\_\_\_

**PATENT**

**REEL: 050156 FRAME: 0021**

## ASSIGNMENT FROM INVENTORS

Docket No.: IP-1487-US

Page 7 of 8

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Inventors: James Tsay, Anmiv Prabhu, David Heiner, Edwin Li, Alexandre Richez, John M. Beierle, Kevan Samiee, Kristina Munoz, Leonid Malevanchik, Ludovic Vincent, Naigian Zhan, Peyton Shieh, Robert Yang, Samantha Schmitt, Sang Park, Scott Bailey, Sean M. Ramirez, Sunmin Ahn, Valerie Uzzell, Wei Wei, Yuxiang Huang, Tyler Jamison Dill

Legal Name of Inventor: **Sunmin Ahn**

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

Signature: \_\_\_\_\_

Legal Name of Inventor: **Valerie Uzzell**

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 12 day of September, 2018.

Signature: Valerie Uzzell

Legal Name of Inventor: **Wei Wei**

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

Signature: \_\_\_\_\_

Legal Name of Inventor: **Yuxiang Huang**

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

Signature: \_\_\_\_\_

Legal Name of Inventor: **Tyler Jamison Dill**

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

Signature: \_\_\_\_\_

ASSIGNMENT FROM INVENTORS

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Legal Name of Inventor: Sunmin Ahn

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

Signature: \_\_\_\_\_

Legal Name of Inventor: Valerie Uzzell

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

Signature: \_\_\_\_\_

Legal Name of Inventor: Wei Wei

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 12 day of Sep, 2018.

Signature: Wei Wei

Legal Name of Inventor: Yuxiang Huang

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

Signature: \_\_\_\_\_

Legal Name of Inventor: Tyler Jamison Dill

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

Signature: \_\_\_\_\_

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Legal Name of Inventor: **Sunmin Ahn**

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

Signature: \_\_\_\_\_

Legal Name of Inventor: **Valerie Uzzell**

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

Signature: \_\_\_\_\_

Legal Name of Inventor: **Wei Wei**

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

Signature: \_\_\_\_\_

Legal Name of Inventor: **Yuxiang Huang**

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 29<sup>th</sup> day of August, 2018.

Signature: \_\_\_\_\_

Legal Name of Inventor: **Tyler Jamison Dill**

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

Signature: \_\_\_\_\_

## ASSIGNMENT FROM INVENTORS

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Legal Name of Inventor: **Sunmin Ahn**

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

Signature: \_\_\_\_\_

Legal Name of Inventor: **Valerie Uzzell**

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

Signature: \_\_\_\_\_

Legal Name of Inventor: **Wei Wei**

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

Signature: \_\_\_\_\_

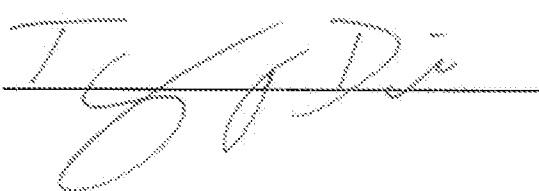
Legal Name of Inventor: **Yuxiang Huang**

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

Signature: \_\_\_\_\_

Legal Name of Inventor: **Tyler Jamison Dill**

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 7 day of September, 2018.

Signature: 

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Page 8 of 8

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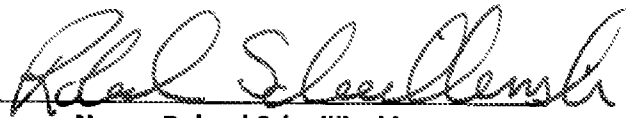
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RECEIVED AND HEREBY ACCEPTED BY ILLUMINA, INC., a Delaware Corporation

Date:

Oct. 3, 2018



Name: Roland Schwillinski

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