

## PATENT ASSIGNMENT

Electronic Version v1.1  
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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Michal Lebl</td> <td>10/08/2010</td> </tr> <tr> <td>David L. Heiner</td> <td>10/08/2010</td> </tr> <tr> <td>Chanfeng Zhao</td> <td>01/10/2011</td> </tr> <tr> <td>David Barker</td> <td>12/21/2010</td> </tr> </tbody> </table>		Name	Execution Date	Michal Lebl	10/08/2010	David L. Heiner	10/08/2010	Chanfeng Zhao	01/10/2011	David Barker	12/21/2010
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Illumina, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>9885 Towne Centre Drive</td> </tr> <tr> <td>City:</td> <td>San Diego</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>92121-1975</td> </tr> </table>		Name:	Illumina, Inc.	Street Address:	9885 Towne Centre Drive	City:	San Diego	State/Country:	CALIFORNIA	Postal Code:	92121-1975
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PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13707337</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13707337						
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CORRESPONDENCE DATA											
Fax Number: 8587368428 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Email: ip@illumina.com Correspondent Name: John T. Murphy Address Line 1: 5200 Illumina Way Address Line 4: San Diego, CALIFORNIA 92122											
ATTORNEY DOCKET NUMBER:	IP-0258A-US										
NAME OF SUBMITTER:	John T. Murphy										
Signature:	/John Murphy/										
Date:	04/25/2013										

PATENT

**Total Attachments: 9**

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ASSIGNMENT

WHEREAS We, Michael Lebl of San Diego, California; David L. Heiner of San Diego, California; Chanfeng Zhao of San Diego, California; and David Barker of Del Mar, California, have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled MICROFABRICATION METHODS FOR THE OPTIMAL PATTERNING OF SUBSTRATES; for which an application for United States Letters Patent was filed on December 18, 2009, and identified by United States Application No. 12/665,652;

AND WHEREAS, Illumina, Inc., a corporation of the State of Delaware and having an address of 9885 Towne Centre Drive, San Diego, California 92121-1975 is desirous of acquiring the entire right, title and interest in and to said invention and in and to any and all Letters Patent of the United States and foreign countries which may be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, We do hereby sell, assign, transfer and set over unto Illumina, Inc., its legal representatives, successors, and assigns, the entire right, title and interest in and to said invention as set forth in the above-mentioned application, including the right of priority and including any continuations, continuations-in-part, divisions, reissues, re-examinations or extensions thereof, and in and to any and all patents of the United States and foreign countries which may be issued for said invention;

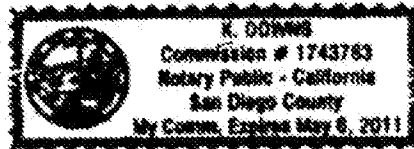
UPON SAID CONSIDERATIONS, We hereby agree with the said assignee that We will not execute any writing or do any act whatsoever conflicting with these presents, and that We will, at any time upon request, without further or additional consideration but at the expense of said assignee, execute such additional assignments and other writings and do such additional acts as said assignee may deem necessary or desirable to perfect the assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, continuations, continuations-in-part, reexamined, reissued, or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of assignor and assignee;

AND We request the Commissioner for Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention to said Illumina, Inc., its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to said patent and the invention covered thereby.

10/8/10 Date Michael Lebl

State of California )  
 )ss.

County of San Diego  
On 10/8/10 before me, K. Downs, Notary Public,  
personally appeared Michael Lebl 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.



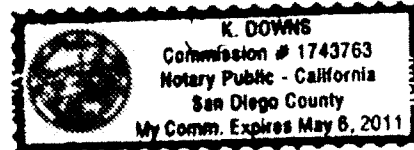
K. Downs  
Notary Public

NOTARY PUBLIC SEAL

10/8/10 Date David L. Heiner

State of California )  
 )ss.

County of San Diego  
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personally appeared David L. Heiner who  
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K. Downs  
Notary Public

NOTARY PUBLIC SEAL

Date \_\_\_\_\_

Chanfeng Zhao

State of California

)

)SS.

County of

)

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**Notary Public**

NOTARY PUBLIC SEAL

Date \_\_\_\_\_

## David Barker

State of California

)

)ss.

County of \_\_\_\_\_

)

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UPON SAID CONSIDERATIONS, We hereby agree with the said assignee that We will not execute any writing or do any act whatsoever conflicting with these presents, and that We will, at any time upon request, without further or additional consideration but at the expense of said assignee, execute such additional assignments and other writings and do such additional acts as said assignee may deem necessary or desirable to perfect the assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, continuations, continuations-in-part, reexamined, reissued, or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of assignor and assignee;

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\_\_\_\_\_  
Date

\_\_\_\_\_  
Michael Lebl

State of California                    )  
  )ss.  
County of \_\_\_\_\_ )

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Notary Public

NOTARY PUBLIC SEAL

\_\_\_\_\_  
Date

\_\_\_\_\_  
David L. Heiner

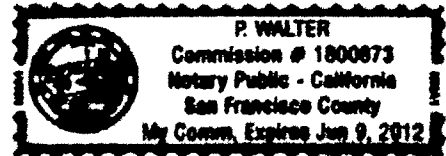
State of California                    )  
  )ss.  
County of \_\_\_\_\_ )

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\_\_\_\_\_  
Notary Public

NOTARY PUBLIC SEAL

1/10/2011 Date Chanfeng Zhao



State of California )  
)ss.

County of San Diego )

On 1-10-11 before me, P. Walter, Notary Public,  
personally appeared Chanfeng Zhao who  
proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are  
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P. Walter  
Notary Public

NOTARY PUBLIC SEAL

\_\_\_\_\_  
Date David Barker

State of California )  
)ss.

County of \_\_\_\_\_ )

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\_\_\_\_\_  
Date

\_\_\_\_\_  
Michael Lebl

State of California                    )  
  )ss.

County of \_\_\_\_\_ )

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Notary Public

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\_\_\_\_\_  
Date

\_\_\_\_\_  
David L. Heiner

State of California                    )  
  )ss.

County of \_\_\_\_\_ )

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\_\_\_\_\_  
Notary Public

NOTARY PUBLIC SEAL

Date

Chanfeng Zhao

State of California )  
)ss.

County of \_\_\_\_\_ )

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Witness my hand and official seal.

Notary Public

NOTARY PUBLIC SEAL

12/21/10  
Date

David L. Barker  
David Barker

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

On December 21, 2010 before me, J. WALZ,  
personally appeared David Barker 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  
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Witness my hand and official seal.

J. Walz  
Notary Public

