505696104 09/27/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:			NEW ASSIGNMENT		
NATURE OF CONVEYANCE:			ASSIGNMENT		
CONVEYING PARTY [ΑΤΑ				
		1	Name	Execution Date	
XIAOLIN WU				12/23/2008	
RECEIVING PARTY D					
Name:					
Street Address:	19 GRA				
Internal Address:	GREAT				
City:		CAMBRIDGE			
State/Country:			GDOM		
Postal Code:	CB21 6	DF			
PROPERTY NUMBERS Total: 1 Property Type			Number		
		15202	2456		
CORRESPONDENCE					
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ASSIGNMENT

WHEREAS, WE, Shankar BALASUBRAMANIAN, a citizen of Great Britain, Department of Chemistry, University of Cambridge, Lensfield Road, Cambridge, CB2 1EW, Great Britain; and

> **Colin BARNES**, a citizen of Great Britain, Illumina Cambridge Ltd, Chesterford Research Park, Little Chesterford, Nr. Saffron, Walden, Essex CB10 1XL, Great Britain; and

Xiaohai LIU, a citizen of China, Illumina Cambridge Ltd, Chesterford Research Park, Little Chesterford, Nr. Saffron, Walden, Essex CB10 1XL, Great Britain

John MILTON, a citizen of Great Britain, Illumina Cambridge Ltd, Chesterford Research Park, Little Chesterford, Nr. Saffron, Walden, Essex CB10 1XL, Great Britain; and

Harold SWERDLOW, a citizen of Great Britain, Illumina Cambridge Ltd, Chesterford Research Park, Little Chesterford, Nr. Saffron, Walden, Essex CB10 1XL, Great Britain; and

Xiaolin WU, a citizen of Great Britain, Illumina Cambridge Ltd, Chesterford Research Park, Little Chesterford, Nr. Saffron, Walden, Essex CB10 1XL, Great Britain; and

have invented certain new and useful improvements in

LABELLED NUCLEOTIDES

for which we have filed an Application for Letters Patent in the United States on **December 13, 2005**, and was accorded U.S. Serial No. **11/301,578**; and

WHEREAS,

ILLUMINA CAMBRIDGE LTD.

with an office at Chesterford Research Park, Little Chesterford, Nr. Saffron Walden, Essex CB10 1XL Great Britain

ASSIGNEE, is desirous of obtaining the entire right, title and interest in, to and under the said improvements and the said application;

NOW, THEREFORE, for other good and valuable consideration, the receipt of which is hereby acknowledged, we the said

Attorney Docket No.: 2713-1-012DIV

Shankar BALASUBRAMANIAN; Colin BARNES; Xiaohai LIU; John MILTON; Harold SWERDLOW; Xiaolin WU

have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, to the said

ILLUMINA CAMBRIDGE LTD.,

its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said improvements, and the said application and all divisions, renewals, and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, including the right to claim priority under the terms of any appropriate International Convention based upon said application for Letters Patent of the United States, and all Letters Patent which may be granted from said improvements in any country or countries foreign to the United States and extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States, whose duty is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said

ILLUMINA CAMBRIDGE LTD.,

it successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant that we have full right to convey the interest herein assigned in the manner hereinabove set forth, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said

ILLUMINA CAMBRIDGE LTD.,

its successors, legal representatives and assigns, any fact known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisions, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said

ILLUMINA CAMBRIDGE LTD.,

its successors, legal representatives and assigns, to obtain and enforce proper Patent Protection for said improvements in the United States.

IN TESTIMONY WHEREOF, we hereunto set our hand and seal the day and year set opposite our signatures.

Date <u>22 Dec 2008</u>	Shankar BALASUBRAMANIAN	L.S.
Date	Colin BARNES	L.S.
Date		L.S.
Date	John MILTON	L.S.
Date	Harold SWERDLOW	L.S.
Date	Xiaolin WU	L.S.

ASSIGNMENT

WHEREAS, WE, Shankar BALASUBRAMANIAN, a citizen of Great Britain, Department of Chemistry, University of Cambridge, Lensfield Road, Cambridge, CB2 1EW, Great Britain; and

> Colin BARNES, a citizen of Great Britain, Illumina Cambridge Ltd, Chesterford Research Park, Little Chesterford, Nr. Saffron, Walden, Essex CB10 1XL, Great Britain; and

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with an office at Chesterford Research Park, Little Chesterford, Nr. Saffron Walden, Essex CB10 1XL Great Britain

ASSIGNEE, is desirous of obtaining the entire right, title and interest in, to and under the said improvements and the said application;

NOW, THEREFORE, for other good and valuable consideration, the receipt of which is hereby acknowledged, we the said

have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, to the said

ILLUMINA CAMBRIDGE LTD.,

its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said improvements, and the said application and all divisions, renewals, and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, including the right to claim priority under the terms of any appropriate International Convention based upon said application for Letters Patent of the United States, and all Letters Patent which may be granted from said improvements in any country or countries foreign to the United States and extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States, whose duty is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said

ILLUMINA CAMBRIDGE LTD.,

it successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant that we have full right to convey the interest herein assigned in the manner hereinabove set forth, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said

ILLUMINA CAMBRIDGE LTD.,

its successors, legal representatives and assigns, any fact known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisions, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said

ILLUMINA CAMBRIDGE LTD.,

its successors, legal representatives and assigns, to obtain and enforce proper Patent Protection for said improvements in the United States.

IN TESTIMONY WHEREOF, we hereunto set our hand and seal the day and year set opposite our signatures.



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Attorney Docket No.: 2713-1-012DIV

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Date		L.S.
	Shankar BALASUBRAMANIAN	
Date		L.S.
	Colin BARNES	
Date		L.S.
	Xiaohai LIU	
Date 24(22/08	All.	L.S.
	John MILTON	
Date		L.S.
	Harold SWERDLOW	
Date		L.S.
	Xiaolin WU	

RECORDED: 09/27/2019