

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT2951241

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ADRIAN FEHR	03/07/2011
NATHANIEL JOSEPH MCCAFFREY	06/03/2011
STEPHEN TURNER	03/07/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	PACIFIC BIOSCIENCES OF CALIFORNIA, INC.
<b>Street Address:</b>	1380 WILLOW ROAD
<b>City:</b>	MENLO PARK
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94025
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	13895486
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(415)442-1001
<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>	
<b>Phone:</b>	415.442.1000
<b>Email:</b>	mgarrigan@morganlewis.com
<b>Correspondent Name:</b>	MELISSA GARRIGAN
<b>Address Line 1:</b>	ONE MARKET, SPEAR STREET TOWER
<b>Address Line 4:</b>	SAN FRANCISCO, CALIFORNIA 94105
<b>ATTORNEY DOCKET NUMBER:</b>	067191-5043-US01
<b>NAME OF SUBMITTER:</b>	MELISSA B. GARRIGAN
<b>SIGNATURE:</b>	/ Melissa B. Garrigan /
<b>DATE SIGNED:</b>	07/23/2014
<b>Total Attachments: 5</b>	
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PATENT

ASSIGNMENT OF PATENT APPLICATION

Hampton Falls, NH *mjm*

WHEREAS, Adrian Fehr of Los Altos, California; Nathaniel Joseph McCaffrey of ~~Portola Valley~~, California; and Stephen Turner of Menlo Park, California; hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified patent applications:

Title of Invention: ILLUMINATION OF INTEGRATED ANALYTICAL SYSTEMS

Filing Date: February 18, 2011

U.S. Patent Application No.: 13/031,103; and

PCT International Application No.: PCT/US2011/025525

WHEREAS, Pacific Biosciences of California, Inc., a Delaware corporation having a place of business located at 1380 Willow Road, Menlo Park, California 94025 hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on any patent application claiming priority from the same;

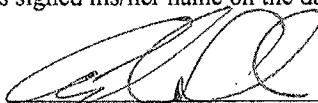
For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that Assignors will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignment  
U.S. Patent Application No. 13/031,103  
PCT International Application No. PCT/US2011/025525  
Attorney Docket No.: 067191-5043-US & WO  
Client Reference: 01-011601US & PCT  
Page 2

IN TESTIMONY WHEREOF, Assignor has signed his/her name on the date indicated.

Date: 3/7/11



Adrian Fehr

On the date above, before us (see Witnesses below) personally appeared Adrian Fehr, personally known to us (or proved to us on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to us that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.


WITNESS NO. 1. \_\_\_\_\_ Date: \_\_\_\_\_

WITNESS NO. 2. \_\_\_\_\_ Date: \_\_\_\_\_

Assignment  
U.S. Patent Application No. 13/031,103  
PCT International Application No. PCT/US2011/025525  
Attorney Docket No.: 067191-5043-US & WO  
Client Reference: 01-011601US & PCT  
Page 3

IN TESTIMONY WHEREOF, Assignor has signed his/her name on the date indicated.

Date: 3 Jun 2011

  
Nathaniel Joseph McCaffrey

On the date above, before us (see Witnesses below) personally appeared Nathaniel Joseph McCaffrey, personally known to us (or proved to us on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to us that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

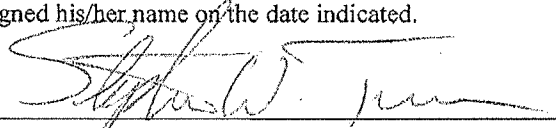
WITNESS NO. 1. \_\_\_\_\_ Date: \_\_\_\_\_

WITNESS NO. 2. \_\_\_\_\_ Date: \_\_\_\_\_

Assignment  
U.S. Patent Application No. 13/031,103  
PCT International Application No. PCT/US2011/025525  
Attorney Docket No.: 067191-5043-US & WO  
Client Reference: 01-011601US & PCT  
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IN TESTIMONY WHEREOF, Assignor has signed his/her name on the date indicated.

Date: 3/7/11

  
Stephen Turner

On the date above, before us (see Witnesses below) personally appeared Stephen Turner, personally known to us (or proved to us on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to us that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS NO. 1. Susan Kauler Date: 3.7.11

WITNESS NO. 2. Gavin Kauler Date: 3/7/11

Assignment  
U.S. Patent Application No. 13/031,103  
PCT International Application No. PCT/US2011/025525  
Attorney Docket No.: 067191-5043-US & WO  
Client Reference: 01-011601US & PCT  
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IN TESTIMONY WHEREOF, Assignee has signed his/her name on the dates indicated.

PACIFIC BIOSCIENCES OF CALIFORNIA, INC.

Date: 6-1-2011

By: 

Name: Matthew B. Murphy

Title: Vice President and General Counsel

On the date above, before us (see Witnesses below) personally appeared Matthew B. Murphy, personally known to us (or proved to us on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to us that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS NO. 1. 

Date: 6/1/2011

WITNESS NO. 2. \_\_\_\_\_

Date: \_\_\_\_\_