

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT8371703

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
GENE SHEN	05/22/2017
STEPHEN YUE	05/22/2017
LUBOMIR SEBO	05/23/2017
LOUIS BROGLEY	05/22/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	PACIFIC BIOSCIENCES OF CALIFORNIA, INC.
<b>Street Address:</b>	1305 O'BRIEN DRIVE
<b>City:</b>	MENLO PARK
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94025
<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16440913
Application Number:	17839412
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	6504724068
<b>Email:</b>	patents@vplawgroup.com
<b>Correspondent Name:</b>	VLP LAW GROUP LLP/DAVID A. ROISE
<b>Address Line 1:</b>	555 BRYANT STREET, SUITE 820
<b>Address Line 4:</b>	PALO ALTO, CALIFORNIA 94301
<b>ATTORNEY DOCKET NUMBER:</b>	1407-00-012U03/U04
<b>NAME OF SUBMITTER:</b>	DAVID A. ROISE
<b>SIGNATURE:</b>	/David A. Roise/
<b>DATE SIGNED:</b>	01/09/2024
<b>Total Attachments: 3</b>	
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## ASSIGNMENT

This Assignment is by and between

**Gene Shen**, resident of 3650 Virco Avenue, Santa Clara, CA 95051, USA;  
**Stephen Yue**, resident of 2940 W 19th Ave., Eugene, OR 97405, USA;  
**Lubomir Sebo**, resident of 22932 Valley View Drive, Hayward, CA 94541, USA; and  
**Louis Brogley**, resident of 116 Seabright Ave. Apt.# 19, Santa Cruz, CA 95062, USA;

(collectively hereinafter termed "Assignor") and

**Pacific Biosciences of California, Inc.** (hereinafter termed "Assignee"), a corporation duly organized under and pursuant to the laws of Delaware and having a place of business at 1305 O'Brien Drive, Menlo Park, CA 94025, USA.

WHEREAS, said Assignor has invented certain new and useful improvements in an invention entitled "MODIFIED NUCLEOTIDE REAGENTS" and disclosed in United States Patent Application No. 15/600,665, filed on May 19, 2017, and

WHEREAS, said Assignee desires to acquire the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered by said Assignor (all collectively hereinafter termed "said invention"), and in and to any and all patents, utility models, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon granted in the United States and foreign countries;

NOW, THEREFORE, in consideration of good and valuable consideration, receipt and sufficiency of which is acknowledged by said Assignor to have been received in full from said Assignee:

1. Said Assignor hereby sells, assigns, and transfers unto said Assignee, the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to priority, and any priorities claimed by said application; (c) in and to all rights to apply for foreign patents on said invention pursuant to the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention and all other treaties of like purposes; (d) in and to any and all applications filed and any and all patents and like rights of exclusion granted on said invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a division, substitution, or continuation of any of said applications; (e) in and to each and every reissue or extensions of any of said patents; and (f) in and to all rights and privileges of said patents, including provisional rights, and rights to damages, profits or recoveries of any nature for infringement of said patents.

2. Said Assignor hereby covenants and agrees to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Assignor shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Assignor in providing such cooperation shall be paid for by said Assignee.

3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Assignor, said Assignor's respective heirs, legal representatives and assigns.

4. Said Assignor hereby warrants and represents that he/she has full right to convey the entire right, title and interest by this instrument, and has not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

5. If any provisions of this Assignment are held by a court of competent jurisdiction to be invalid under any applicable statute or rule of law, they are to that extent to be deemed omitted and the remaining provisions of this instrument shall remain in full force and effect.

6. This instrument may be executed in multiple counterparts, any one of which will be considered an original, but all of which will constitute one and the same instrument.

7. The undersigned Assignor hereby grants the law firm of **VLP Law Group LLP**, 555 Bryant St., Suite 820, Palo Alto, CA 94301, the power to insert on this instrument any further identification, including the filing date and application number, which may be necessary or desirable for purposes of recordation in the United States Patent and Trademark Office or a Patent Office of any foreign country.

IN WITNESS WHEREOF, this Assignment has been executed and delivered the date and year written to said Assignee.

Executed by Assignor:

Signature: Gene Shen  
Gene Shen

Date: 5/22/2017

Signature: Stephen Yue  
Stephen Yue

Date: 5/22/2017

Signature: Lubomir Sebe  
Lubomir Sebe

Date: 5/23/2017

Signature: Louis Brogley  
Louis Brogley

Date: 5/22/2017