

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT6182074

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| <b>SUBMISSION TYPE:</b>                                                                                                                                                                         | NEW ASSIGNMENT                          |
| <b>NATURE OF CONVEYANCE:</b>                                                                                                                                                                    | ASSIGNMENT                              |
| <b>CONVEYING PARTY DATA</b>                                                                                                                                                                     |                                         |
| <b>Name</b>                                                                                                                                                                                     | <b>Execution Date</b>                   |
| IVAN SOVIC                                                                                                                                                                                      | 03/16/2020                              |
| JAMES DRAKE                                                                                                                                                                                     | 05/07/2020                              |
| <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: 1</b>                                                                                                                                                                |                                         |
| <b>Property Type</b>                                                                                                                                                                            | <b>Number</b>                           |
| Application Number:                                                                                                                                                                             | 16752111                                |
| <b>CORRESPONDENCE DATA</b>                                                                                                                                                                      |                                         |
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| <b>Correspondent Name:</b>                                                                                                                                                                      | MORGAN, LEWIS & BOCKIUS LLP (SF)        |
| <b>Address Line 1:</b>                                                                                                                                                                          | ONE MARKET, SPEAR STREET TOWER          |
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| <b>NAME OF SUBMITTER:</b>                                                                                                                                                                       | MELISSA B. GARRIGAN                     |
| <b>SIGNATURE:</b>                                                                                                                                                                               | /Melissa B. Garrigan/                   |
| <b>DATE SIGNED:</b>                                                                                                                                                                             | 07/01/2020                              |
| <b>Total Attachments: 2</b>                                                                                                                                                                     |                                         |
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| source=0671915116US_Assignment#page2.tif                                                                                                                                                        |                                         |

# ASSIGNMENT OF PATENT APPLICATION

WHEREAS, Ivan SOVIC of Ivanc-Grad, Croatia and James DRAKE of San Jose, California, U.S., hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified patent application:

Title of Invention: *Systems and Methods for Graph Based Mapping of Nucleic Acid Fragments*

Filing Date: January 24, 2020

Application No.: 16/752,111 and

WHEREAS, **Pacific Biosciences of California, Inc.**, a corporation having a place of business located at 1305 O'Brien Drive, Menlo Park, California 94025, U.S., 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.

IN TESTIMONY WHEREOF, Assignors have signed their names on the date indicated.

Dated: MARCH 16, 2020

Ivan Sovic  
Ivan Sovic

Dated: May 7, 2020

James Drake  
James Drake