PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
J. WILLIAM MANEY JR.	08/27/2019

RECEIVING PARTY DATA

Name:	ROCHE SEQUENCING SOLUTIONS, INC.
Street Address:	4300 HACIENDA DRIVE
City:	PLEASANTON
State/Country:	CALIFORNIA
Postal Code:	94588

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15820032

CORRESPONDENCE DATA

Fax Number: (520)229-4216

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.

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Email: karla.dirks@roche.com

Correspondent Name: KARLA DIRKS

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Address Line 4: TUCSON, ARIZONA 85755

ATTORNEY DOCKET NUMBER:	33071 US1
NAME OF SUBMITTER:	KARLA DIRKS
SIGNATURE:	/Karla Dirks/
DATE SIGNED:	08/29/2019

Total Attachments: 3

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PATENT 505648093 REEL: 050217 FRAME: 0670

Case No P32612 US, P33071-US, P33071-US-1

ASSIGNMENT AGREEMENT

I/We, the undersigned

J. William Maney, Jr., while employed by Genia Technologies, Inc c/o 2841 Scott Boulevard, Santa Clara, California 95050 USA

hereinafter ASSIGNOR(S), herewith declare that I am/we are joint inventor(s) together with

Roger J.A. Chen, while employed by Genia Technologies, Inc c/o 2841 Scott Boulevard, Santa Clara, California 95050 USA

Hui Tian, while employed by Genia Technologies, Inc c/o 2841 Scott Boulevaid, Santa Clara, California 95050 USA

hereinafter CO-INVENTOR(S)

of the invention entitled

Nanopore-Based Sequencing with Varying Voltage Stimulus

for which application(s) was (were) filed with the United States Patent and Trademark Office as outlined below

Case No.	Country	Filing Date	Serial No.
P33071-US	United States	12/16/2015	14/971667
P32612-US	United States	12/19/2014	14/577511
P33071-US-1	United States	11/21/2017	15/820032

ASSIGNOR(S) acknowledge(s) the previous transfer to Genia Technologies, Inc., 2841 Scott Boulevard, Santa Clara, California 95050, USA, which has merged with

Roche Sequencing Solutions, Inc. (Successor by Merger)
4300 Hacienda Drive
Pleasanton, CA 94588
United States

hereinafter ASSIGNEE, of all right, title, and interest in, to, and deriving from the inventions disclosed in the priority application(s) set forth above by operation of law, contract, or otherwise

As far as right, title, and interest of the ASSIGNOR(S) in, to, and deriving from the inventions disclosed in the patent application(s) set forth above may not have been transferred to ASSIGNEE, ASSIGNOR(S) herewith assign(s) to ASSIGNEE all right, title, and interest in, to, and deriving from the invention and to the above priority application(s), including the right to claim priority

The assignment of the rights of the CO-INVENTOR(S) is subject to a separate assignment agreement ASSIGNOR(S) explicitly approve(s) that assignment

ASSIGNEE by virtue of this assignment thereof shall have the exclusive right and is fully entitled to claim priority of the priority application(s) set forth above, to apply for, obtain, and own patents worldwide in its own name and at its own costs that claim priority to and are based in whole or in part on the priority application(s),

PATENT REEL: 050217 FRAME: 0671 Case No P32612 US, P33071-US, P33071-US-1

to maintain any patent granted thereupon and to discontinue any patents or patent applications as it deems appropriate

ASSIGNEE and ASSIGNOR hereby acknowledge, confirm, and agree that ASSIGNOR has been fully and adequately compensated for all rights granted or assigned to ASSIGNEE hereunder

This Assignment may be executed in one or more counterparts, each of which when executed and delivered, by facsimile or other electronic transmission, by mail delivery, or by other form of delivery, will be an original and all of which will constitute but one and the same Assignment

This agreement shall be governed and construed in accordance with substantive laws of Switzerland, with the exclusion of the Vienna Convention on the International Sale of Goods dated April 11, 1980 The competent courts of Basel City, Switzerland shall have exclusive jurisdiction

ASSIGNOR(S)

Santa Clara (A Any 27 2019

Place, Date

J. William Maney, Jr.

THE REMAINDER OF THIS PAGE INTENTIONALLY BLANK ASSIGNEE COUNTEPART SIGNATURE PAGE FOLLOWS

> PATENT REEL: 050217 FRAME: 0672

Case No P32612 US, P33071-US, P33071-US-1

ASSIGNEE COUNTERPART SIGNATURE PAGE

Case No.	Country	Filing Date	Serial No.
P33071-US	United States	12/16/2015	14/971667
P32612-US	United States	12/19/2014	14/577511
P33071-US-1	United States	11/21/2017	15/820032

ASSIGNEE

ROCHE SEQUENCING SOLUTIONS, INC

Pleasanton, California, USA

Place, Date

Vice President, Intellectual Property

PATENT REEL: 050217 FRAME: 0673

RECORDED: 08/29/2019