

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5016638

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ZHITONG LIU	01/10/2018
GUOYING LIU	01/10/2018
JEFFREY JUEHUI LIU	01/10/2018
TAO CHEN	01/12/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	PARAGON GENOMICS, INC.
<b>Street Address:</b>	3521 INVESTMENT BLVD., SUITE 1
<b>City:</b>	HAYWARD
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94545
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15867031
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	13982-701.200
<b>NAME OF SUBMITTER:</b>	JENNIFER MARCELINO
<b>SIGNATURE:</b>	/Richard D. Shoop, Reg. No. 45,763/
<b>DATE SIGNED:</b>	06/20/2018
<b>Total Attachments: 3</b>	
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source=13982-701-200_Assignment#page3.tif	

RECORDATION FORM COVER SHEET  
PATENTS ONLY

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

TO THE HONORABLE DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE. PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF.

1. Name of conveying party(ies):

(1) **Zhitong LIU**  
(2) **Guoying LIU**  
(3) **Jeffrey Juehui LIU**  
(4) **Tao CHEN**

Additional name(s) of conveying party(ies) attached?  
☐ Yes ☒ No

2. Name and address of receiving party(ies):

Name: **PARAGON GENOMICS, INC.**  
**3521 Investment Blvd., Suite 1**  
**Hayward, CA 94545**

3. Nature of Conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

**EXECUTION DATE(S): (1)-(3) 01/10/2018**  
**(4) 01/12/2018**

Name and address of receiving party(ies):

Name:  
Street Address:  
City: State: Zip:  
Country:  
Additional name(s) & address(es) attached?  
☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s) – **15/867,031**

Title: **METHODS AND COMPOSITIONS FOR  
REDUCING REDUNDANT MOLECULAR BARCODES  
CREATED IN PRIMER EXTENSION REACT**

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

**Richard D. Shoop**  
**Shay Glenn LLP**  
**2755 Campus Drive, Suite 210**  
**San Mateo, CA 94403**

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h)(1)): \$0.00

☒ None required. Please charge fees to **Deposit Account No. 50-4050.**

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8. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

**Richard D. Shoop, Reg. No. 45,763**

**/Richard D. Shoop/**

**June 20, 2018**

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and documents: **3**

This Assignment of Patent Application is between:

**Zhitong LIU** of Foster City, CA;

**Guoying LIU** of San Ramon, CA;

**Jeffrey Juehui LIU** of Foster City, CA; and

**Tao CHEN** of San Francisco, CA

(hereinafter referred to as "Inventor") and

**PARAGON GENOMICS, INC.**, a corporation of the State of Delaware, having a place of business at 3521 Investment Blvd., Suite 1, Hayward, CA 94545 (hereinafter referred to as "Assignee").

WHEREAS Inventor has invented certain new and useful improvements in:

**"METHODS AND COMPOSITIONS FOR REDUCING REDUNDANT MOLECULAR  
BARCODES CREATED IN PRIMER EXTENSION REACTIONS"**

for which an application for a United States Patent was filed on **January 10, 2018** and assigned Application No. **15/867,031**.

WHEREAS, Assignee is desirous of acquiring the entire right, title and interest of each inventor 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 Inventor (all collectively hereinafter termed "said invention"), and in and to any and all patents, 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 acknowledged by said Inventor to have been received in full from said Assignee:

1. Said Inventor does hereby sell, assign, transfer and convey 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 apply for foreign patents on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all patents 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 divisional, substitution, continuation, or continuation-in-part of any of said applications; and (d) in and to each and every reissue or extensions of any of said patents.

2. Said Inventor 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 Inventor 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 the

**ASSIGNMENT OF PATENT APPLICATION****SG Docket No.: 13982-701.200**

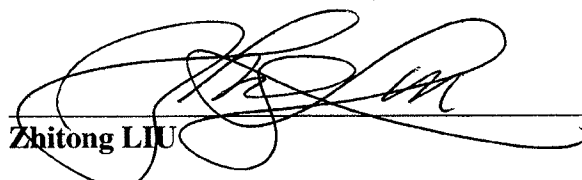
said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contest, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventor 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 Inventor, his heirs, legal representatives and assigns.

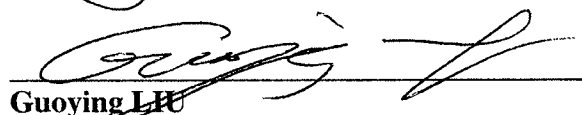
4. Said Inventor hereby warrants and represents that he has not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, said Inventor has executed and delivered this instrument to said Assignee:

1/10/2018  
Date

  
Zhitong LIU

1/10/2018  
Date

  
Guoying LIU

1/10/2018  
Date

  
Jeffrey Juehui LIU

1/12/2018  
Date

  
Tao CHEN