

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Changsheng Jonathan Liu</td> <td>08/05/2009</td> </tr> <tr> <td>Yiqiong Wu</td> <td>07/31/2009</td> </tr> <tr> <td>Kevin Jay LeVan</td> <td>08/05/2009</td> </tr> </tbody> </table>		Name	Execution Date	Changsheng Jonathan Liu	08/05/2009	Yiqiong Wu	07/31/2009	Kevin Jay LeVan	08/05/2009				
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RECEIVING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>SoftGenetics LLC</td> </tr> <tr> <td>Street Address:</td> <td>100 Oakwood Avenue</td> </tr> <tr> <td>Internal Address:</td> <td>Suite 350</td> </tr> <tr> <td>City:</td> <td>State College</td> </tr> <tr> <td>State/Country:</td> <td>PENNSYLVANIA</td> </tr> <tr> <td>Postal Code:</td> <td>16803</td> </tr> </table>		Name:	SoftGenetics LLC	Street Address:	100 Oakwood Avenue	Internal Address:	Suite 350	City:	State College	State/Country:	PENNSYLVANIA	Postal Code:	16803
Name:	SoftGenetics LLC												
Street Address:	100 Oakwood Avenue												
Internal Address:	Suite 350												
City:	State College												
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Postal Code:	16803												
PROPERTY NUMBERS Total: 1													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th style="width: 70%;">Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12427409</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12427409								
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CORRESPONDENCE DATA													
<p>Fax Number: (412)471-4094</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 412-471-8815</p> <p>Email: webblaw@webblaw.com</p> <p>Correspondent Name: THE WEBB LAW FIRM, P.C.</p> <p>Address Line 1: 700 KOPPERS BUILDING</p> <p>Address Line 2: 436 SEVENTH AVENUE</p> <p>Address Line 4: PITTSBURGH, PENNSYLVANIA 15219</p>													
ATTORNEY DOCKET NUMBER:	5765-090671												
NAME OF SUBMITTER:	Paul M. Reznick												

OP \$40.00 12427409

500944156

PATENT
REEL: 023137 FRAME: 0968

Total Attachments: 4

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RECORDATION FORM COVER SHEET
PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

Changsheng Jonathan Liu
Yiqiong Wu
Kevin Jay LeVan

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

2. Name and address of receiving party(ies)

Name: SoftGenetics LLC

Internal Address: _____

Street Address: 100 Oakwood Avenue - Suite 350

City: State College

State: PA

Country: United States Zip: 16803

Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) 7/31/09; 8/5/09

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

4. Application or patent number(s):

☐ This document is being filed together with a new application.

A. Patent Application No.(s)
12/427,409

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☐ No

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

Name: Paul M. Reznick

Internal Address: The Webb Law Firm

Street Address: 436 Seventh Avenue
700 Koppers Building

City: Pittsburgh

State: PA Zip: 15219

Phone Number: 412-471-8815

Fax Number: 412-471-4094

Email Address: webblaw@webblaw.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☒ Authorized to be charged by credit card
☐ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

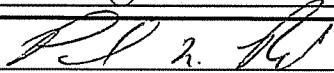
8. Payment Information

a. Credit Card Last 4 Numbers 4775
Expiration Date 05/2012

b. Deposit Account Number 23-0650

Authorized User Name U.S. Patent Office

9. Signature:



Signature

August 24, 2009

Date

Paul M. Reznick

Name of Person Signing

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

4

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

Doc. No.

PATENT
REEL: 023137 FRAME: 0970

Application No. 12/427,409

Attorney Docket No. 5765-090671

ASSIGNMENT

WHEREAS, as a below named inventor, I have invented certain new and useful improvements in

DNA SEQUENCE ASSEMBLY METHODS OF SHORT READS

(Invention Title)

☐ for which a United States Provisional Patent application was filed on _____ (mm/dd/yyyy) and bears Application Number _____ (hereinafter "said application").

AND/OR

☐ for which I have this day executed an application for a United States Patent (hereinafter "said application").

AND/OR

☒ for which an application for a United States Patent was filed on 04/21/2009 (mm/dd/yyyy) and bears Application Number 12/427,409 (hereinafter "said application").

AND/OR

☐ for which an international patent application was filed under the Patent Cooperation Treaty on _____ (mm/dd/yyyy), bearing Application No. _____ (hereinafter "said application").

AND, WHEREAS, SoftGenetics LLC, a corporation of Pennsylvania, having a place of business at 100 Oakwood Avenue, Suite 350, State College, Pennsylvania 16803, hereinafter called the "assignee", is desirous of acquiring the entire right, title, and interest in and to said application and the inventions and improvements therein disclosed.

NOW, THEREFORE, for good and valuable consideration paid to me by said assignee, the receipt of which is hereby acknowledged, I as the inventor or as one of the inventors, hereinafter the assignor(s), do hereby assign, sell and transfer unto said assignee the full and exclusive right, title and interest in and to said application and the inventions and improvements therein disclosed for the United States and all foreign countries and any Letters Patent which may issue therefor in the United States and all foreign countries and all divisions, reissues, continuations, continuations-in-part, renewals and/or extensions thereof. Such assignment extends to the full ends of the terms of these applications and patents as fully and entirely as the same would have been held and enjoyed by me had this Assignment not been made.

I covenant that I am the lawful owner(s) of said application, inventions and improvements, that the same are unencumbered, that no license has been granted to make, use or vend the said inventions or improvements or any of them, and that I have the full right to make this Assignment.

And for the consideration aforesaid, I agree individually and, if applicable, jointly that I will communicate to said assignee or the representatives thereof any facts known to me respecting said inventions and improvements, and will, upon request but without expense to me, testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue, continuation, continuation-in-part, renewal and/or extension applications, make all rightful oaths,

Application No. 12/427,409

Attorney Docket No. 5765-090671

and generally do all other and further lawful acts deemed necessary or expedient by said assignee or by counsel for said assignee to assist or enable said assignee to obtain and enforce full benefits from the rights and interests herein assigned. This Assignment shall be binding upon my heirs, executors, administrators and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors and/or assigns, as the case may be, of said assignee.

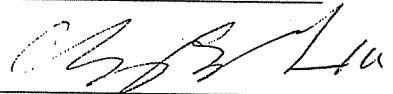
1. FULL NAME OF ASSIGNOR:

Changsheng Jonathan LIU

RESIDENCE:

State College, PA

EXECUTED this 5th day of August, 2009


SIGNATURE

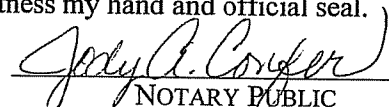
STATE of Pennsylvania)

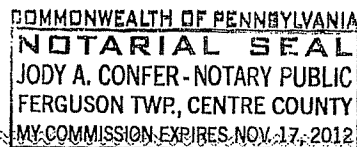
COUNTY of Centre)

On this 5th day of August, in the year 2009, before me Jody A. Confer,
DAY MONTH YEAR NOTARY PUBLIC NAME

a notary public, personally appeared Changsheng Jonathan Liu,
NAME OF DOCUMENT SIGNER

proved on the basis of satisfactory evidence to be the person whose name is subscribed to this instrument, and acknowledged he/she executed the same. Witness my hand and official seal.


NOTARY PUBLIC



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☒ Checked Box indicates 1 additional page(s) for inventor signatures.

Application No. 12/427,409

Attorney Docket No. 5765-090671

2. FULL NAME OF ASSIGNOR:

Yiqiong WU

RESIDENCE:

Fayetteville, AR

EXECUTED this 31st day of July, 2009

STATE of Arkansas

COUNTY of Washington

On this 31st day of July, in the year 2009, before me Brittany Thompson Little

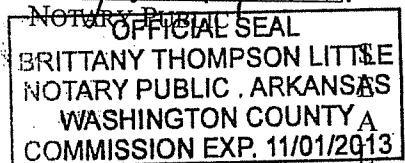
a notary public, personally appeared

Yiqiong Wu

NAME OF DOCUMENT SIGNER

proved on the basis of satisfactory evidence to be the person whose name is subscribed to this instrument, and acknowledged he/she executed the same. Witness my hand and official seal.

Brittany Thompson Little



3. FULL NAME OF ASSIGNOR:

Kevin Jay LEVAN

RESIDENCE:

State College, PA

EXECUTED this 5th day of August, 2009

STATE of Pennsylvania

COUNTY of Centre

On this 5th day of August, in the year 2009, before me Jody A. Confer

a notary public, personally appeared

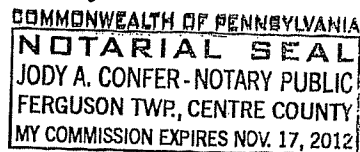
Kevin Jay LeVan

NAME OF DOCUMENT SIGNER

proved on the basis of satisfactory evidence to be the person whose name is subscribed to this instrument, and acknowledged he/she executed the same. Witness my hand and official seal.

Jody A. Confer

NOTARY PUBLIC



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