

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6086970

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
CHEN ZHAO	05/28/2014
COSMIN DECIU	06/06/2014
SUNG KYUN KIM	05/28/2014
AMIN MAZLOOM	05/29/2014
GREGORY HANNUM	05/28/2014
MATHIAS EHRICH	05/28/2014
ZELJKO DZAKULA	01/22/2016
RECEIVING PARTY DATA	
Name:	SEQUENOM, INC.
Street Address:	3595 JOHN HOPKINS COURT
City:	SAN DIEGO
State/Country:	CALIFORNIA
Postal Code:	92121
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16862324
CORRESPONDENCE DATA	
Fax Number:	(858)623-3224
<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>	
Phone:	8586233240
Email:	apeters@grantip.com
Correspondent Name:	GRANT IP INC. C/O CPA GLOBAL
Address Line 1:	900 SECOND AVE SOUTH #600
Address Line 4:	MINNEAPOLIS, MINNESOTA 55402
ATTORNEY DOCKET NUMBER:	PLA-6068-CT
NAME OF SUBMITTER:	KARI A DICKINSON, REG NO. 60632
SIGNATURE:	/Kari A. Dickinson/
DATE SIGNED:	04/30/2020

Total Attachments: 10

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ASSIGNMENT AND AGREEMENT

WHEREAS, Chen ZHAO of 8950 Costa Verde Blvd, Apt 4124, San Diego, California 92122 USA; Zeljko DZAKULA of 12830 Sundance Avenue, San Diego, California 92129 USA; Cosmin DECIU of 10545 Sea Mist Way, San Diego, California 92121 USA; Sung Kyun KIM of 662 Glenmore Boulevard, Glendale, California 91206 USA; Amin MAZLOOM of 14013 Capewood Lane, San Diego, California 92128 USA; Gregory HANNUM of 13125 Bavarian Drive, San Diego, California 92129 USA; and Mathias EHRICH of 1947 Diamond Street, San Diego, California 92109 USA (hereinafter referred to singly and collectively as "Assignor") have invented a certain invention entitled METHODS AND PROCESSES FOR NON-INVASIVE ASSESSMENT OF GENETIC VARIATIONS for International Patent Application No. PCT/US2014/039389 was filed on May 23, 2014; and

WHEREAS, SEQUENOM, INC., a Delaware corporation duly organized and existing under the laws of the State of California, and having its principal place of business at 3595 John Hopkins Court, San Diego, California 92121 USA (hereinafter referred to as "Assignee") is desirous of acquiring the entire interest therein;

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto Assignee, its successors, assigns and nominees, the full and exclusive right, title, and interest in and to (a) the above-identified invention or inventions and all improvements and modifications thereof, (b) the above-identified application(s) and all other applications for patent and patents in any and all countries and jurisdictions for the above-identified invention or inventions and all improvements and modifications thereof, (c) all patents which may issue from said applications in any country or jurisdiction, (d) all divisions, continuations, reissues, and extensions of said applications and patents, and (e) the right to claim for any of said applications the full benefits and rights to priority resulting from filing any of the applications, including, without limitation, rights under the International Convention and any other international agreement to which the United States adheres; such right, title, and interest to be held and enjoyed by Assignee, its successors, assigns and nominees, to the full end of the term or terms for which any and all such patents may be granted as fully and entirely as would have been held and enjoyed by Assignor had this Assignment not been made.

Assignor hereby authorizes and requests any official whose duty it is to issue patents to issue any patent on said invention, or improvement or modification thereof, or resulting therefrom, to Assignee as assignee of the entire interest, or its successors, assigns or nominees.

Assignor hereby agrees (a) to communicate to Assignee, its successors and assigns, or their representatives or agents, all facts and information known or available to Assignor respecting said invention or inventions, improvements, and modifications, including, without limitation, evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by Assignee; (b) to testify in person or by affidavit as

required by Assignee, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by Assignee, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, declarations, depositions; and (d) to provide all reasonable assistance to Assignee, its successors, assigns and nominees, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

Assignor hereby represents and warrants that (a) Assignor has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein to Assignee; (b) Assignor has no obligation to sell, assign or transfer any right, title or interest herein to an entity other than Assignee; (c) that Assignor has not executed and will not execute any document or instrument in conflict herewith; (d) no consents of any other parties are necessary or appropriate under any agreements regarding the inventions, applications or patents described above for the assignment of Assignor's entire right, title and interest herein to be legally effective; and (e) to the best of Assignor's knowledge, upon consummation of this Agreement, Assignee will have good and marketable title to the inventions, applications and patents described above, free and clear of any and all encumbrances, pledges, security interests, licenses or charges of any nature whatsoever.

Assignor hereby grants to the law firm of Grant IP, Inc. the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

Assignor understands and agrees that the attorneys and agents of the law firm of Grant IP, Inc. do not personally represent Assignor or Assignor's legal interests, but instead represent the interests of Assignee; since said attorneys and agents cannot provide legal advice to Assignor with respect to this Assignment, Assignor acknowledges its right to seek its own independent legal counsel.

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Executed this 28 day of May, 2014

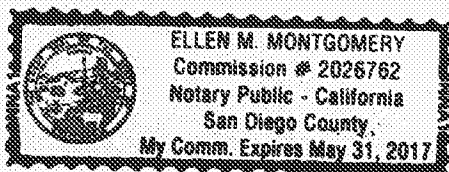
Zhao Chen
Chen ZHAO

STATE OF CALIFORNIA)
) ss:
COUNTY OF SAN DIEGO)

On this 28 day of May, 2014, before me, Ellen Montgomery
Notary Public, personally appeared Chen ZHAO who proved to me on the basis of
satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within
instrument and acknowledged to me that he/she/they executed the same in his/her/their
authorized capacity(ies), and that by his/her/their signature(s) on the instrument the
person(s), or the entity upon behalf of which the person(s) acted, executed the
instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the
foregoing paragraph is true and correct.

WITNESS my hand and official seal.



(Seal)

Ellen Montgomery
Notary Public in and for said County and State

My Commission Expires: May 31, 2014

Executed this 6th day of June, 2014

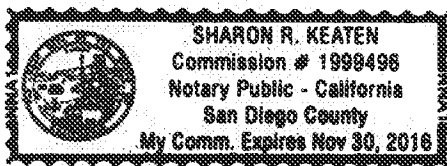
Cosmin DECIU
Cosmin DECIU

STATE OF CALIFORNIA)
) ss:
COUNTY OF SAN DIEGO)

On this 6th day of June, 2014, before me, Sharon Keaten,
Notary Public, personally appeared Cosmin DECIU who proved to me on the basis of
satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within
instrument and acknowledged to me that he/she/they executed the same in his/her/their
authorized capacity(ies), and that by his/her/their signature(s) on the instrument the
person(s), or the entity upon behalf of which the person(s) acted, executed the
instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the
foregoing paragraph is true and correct.

WITNESS my hand and official seal.

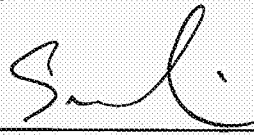


Sharon R. Keaten
Notary Public in and for said County and State

(Seal)

My Commission Expires: 11-30-16

Executed this 28 day of May, 2014

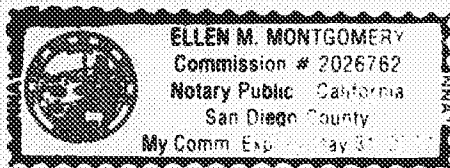

 Sung Kyun KIM

STATE OF CALIFORNIA)
) ss:
 COUNTY OF SAN DIEGO)

On this 28 day of May, 2014, before me, Ellen Montgomery
 Notary Public, personally appeared Sung Kyun KIM who proved to me on the basis of
 satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within
 instrument and acknowledged to me that he/she/they executed the same in his/her/their
 authorized capacity(ies), and that by his/her/their signature(s) on the instrument the
 person(s), or the entity upon behalf of which the person(s) acted, executed the
 instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the
 foregoing paragraph is true and correct.

WITNESS my hand and official seal.





 Notary Public in and for said County and State

(Seal)

My Commission Expires: May 31, 2017

Executed this 29 day of May, 2014

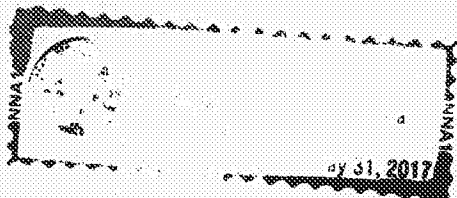

Amin MAZLOOM

STATE OF CALIFORNIA)
) ss:
COUNTY OF SAN DIEGO)

On this 29 day of May, 2014, before me, Ellen Montgomery
Notary Public, personally appeared Amin MAZLOOM who proved to me on the basis of
satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within
instrument and acknowledged to me that he/she/they executed the same in his/her/their
authorized capacity(ies), and that by his/her/their signature(s) on the instrument the
person(s), or the entity upon behalf of which the person(s) acted, executed the
instrument.

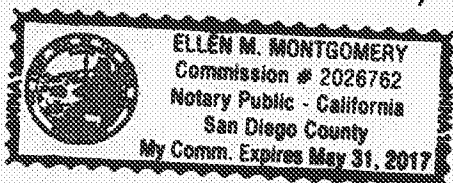
I certify under PENALTY OF PERJURY under the laws of the State of California that the
foregoing paragraph is true and correct.

WITNESS my hand and official seal.



(Seal)

My Commission Expires: May 31, 2017




Notary Public in and for said County and State

Executed this 28 day of May, 2014

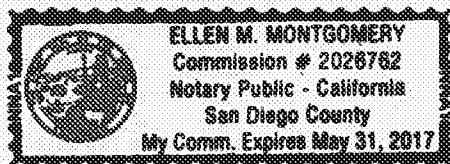

 Gregory HANNUM

STATE OF CALIFORNIA)
) ss:
 COUNTY OF SAN DIEGO)

On this 28 day of May, 2014, before me, Ellen Montgomery
 Notary Public, personally appeared Gregory HANNUM who proved to me on the basis
 of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the
 within instrument and acknowledged to me that he/she/they executed the same in
 his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the
 instrument the person(s), or the entity upon behalf of which the person(s) acted,
 executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the
 foregoing paragraph is true and correct.

WITNESS my hand and official seal.




 Notary Public in and for said County and State

(Seal)

My Commission Expires: May 31, 2017

Executed this 28 day of May, 2014

Mathias EHRICH

STATE OF CALIFORNIA)
) ss:
COUNTY OF SAN DIEGO)

On this 28 day of May 2014, before me, Ellen Montgomerie,
Notary Public, personally appeared Mathias EHRICH who proved to me on the basis of
satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within
instrument and acknowledged to me that he/she/they executed the same in his/her/their
authorized capacity(ies), and that by his/her/their signature(s) on the instrument the
person(s), or the entity upon behalf of which the person(s) acted, executed the
instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Notary Public in and for said County and State

(Seal)

My Commission Expires:

ASSIGNMENT AND AGREEMENT

WHEREAS, **Chen ZHAO** of 8950 Costa Verde Blvd. Apt 4124, San Diego, California 92122, USA; **Zeljko DZAKULA** of 12830 Sundance Avenue, San Diego, California 92129, USA; **Cosmin DECIU** of 10545 Sea Mist Way, San Diego, California 92121, USA; **Sung K. KIM** of 662 Glenmore Boulevard, Glendale, California 91206, USA; **Amin R. MAZLOOM** of 14013 Capewood Lane, San Diego, California 92128, USA; **Gregory, HANNUM** of 13125 Bavarian Drive, San Diego, California, 92129, USA; and **Mathias EHRICH** of 1947 Diamond Street, San Diego, California 92109, USA (hereinafter referred to singly and collectively as "Assignor") have invented a certain invention entitled **METHODS AND PROCESSES FOR NON-INVASIVE ASSESSMENT OF GENETIC VARIATIONS** for which U.S. Provisional Application No. 61/827,385 was filed on May 24, 2013; and PCT Patent Application No. PCT/US2014/039389 was filed on May 23, 2014; and U.S. Utility Application No. 14/892,782 was filed on November 20, 2015; and

WHEREAS, **SEQUENOM, INC.**, a corporation duly organized and existing under the laws of the State of Delaware, and having its principal place of business at 3595 John Hopkins Court , San Diego, California 92121 USA (hereinafter referred to as "Assignee") is desirous of acquiring the entire interest therein;

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto Assignee, its successors, assigns and nominees, the full and exclusive right, title, and interest in and to (a) the above-identified invention or inventions, (b) the above-identified application(s) and all other applications for patent and patents in any and all countries and jurisdictions for the above-identified invention or inventions, (c) all patents which may issue from said applications in any country or jurisdiction, (d) all divisions, continuations, reissues, and extensions of said applications and patents, and (e) the right to claim for any of said applications the full benefits and rights to priority resulting from filing any of the applications, including, without limitation, rights under the International Convention and any other international agreement to which the United States adheres; such right, title, and interest to be held and enjoyed by Assignee, its successors, assigns and nominees, to the full end of the term or terms for which any and all such patents may be granted as fully and entirely as would have been held and enjoyed by Assignor had this Assignment not been made.

Assignor hereby authorizes and requests any official whose duty it is to issue patents to issue any patent on said invention to Assignee as assignee of the entire interest, or its successors, assigns or nominees.

Assignor hereby represents and warrants that Assignor has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein to Assignee.

ASSIGNMENT AND AGREEMENT

Page 1 of 2

