

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT6160578

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
YOAV ETZIONI	06/04/2020
SIMCHON FAIGLER	06/04/2020
GILAD ALMOGY	06/04/2020
MARK PRATT	06/04/2020
FLORIAN OBERSTRASS	06/03/2020
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ULTIMA GENOMICS, INC.
<b>Street Address:</b>	7979 GATEWAY BOULEVARD, SUITE 101
<b>City:</b>	NEWARK
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94560
<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16864981
<b>PCT Number:</b>	US2020031147
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(650)494-0792
<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>	
<b>Phone:</b>	6508134119
<b>Email:</b>	jmerkelbach@mofo.com
<b>Correspondent Name:</b>	ETHAN M. WEINER
<b>Address Line 1:</b>	MORRISON & FOERSTER LLP
<b>Address Line 2:</b>	755 PAGE MILL ROAD
<b>Address Line 4:</b>	PALO ALTO, CALIFORNIA 94304-1018
<b>ATTORNEY DOCKET NUMBER:</b>	16527-20005.00
<b>NAME OF SUBMITTER:</b>	ETHAN M. WEINER
<b>SIGNATURE:</b>	/ETHAN M. WEINER/
<b>DATE SIGNED:</b>	06/18/2020

**Total Attachments: 15**

source=16527-2000500-2020-06-17-Assgn#page1.tif  
source=16527-2000500-2020-06-17-Assgn#page2.tif  
source=16527-2000500-2020-06-17-Assgn#page3.tif  
source=16527-2000500-2020-06-17-Assgn#page4.tif  
source=16527-2000500-2020-06-17-Assgn#page5.tif  
source=16527-2000500-2020-06-17-Assgn#page6.tif  
source=16527-2000500-2020-06-17-Assgn#page7.tif  
source=16527-2000500-2020-06-17-Assgn#page8.tif  
source=16527-2000500-2020-06-17-Assgn#page9.tif  
source=16527-2000500-2020-06-17-Assgn#page10.tif  
source=16527-2000500-2020-06-17-Assgn#page11.tif  
source=16527-2000500-2020-06-17-Assgn#page12.tif  
source=16527-2000500-2020-06-17-Assgn#page13.tif  
source=16527-2000500-2020-06-17-Assgn#page14.tif  
source=16527-2000500-2020-06-17-Assgn#page15.tif

## ASSIGNMENT

This assignment is by:

- 1 Yoav Etzioni  
c/o Ultima Genomics, Inc.  
7979 Gateway Boulevard, Suite 101  
Newark, California 94560  
United States of America
- 2 Simchon Faigler  
c/o Ultima Genomics, Inc.  
7979 Gateway Boulevard, Suite 101  
Newark, California 94560  
United States of America
- 3 Gilad Almogy  
c/o Ultima Genomics, Inc.  
7979 Gateway Boulevard, Suite 101  
Newark, California 94560  
United States of America
- 4 Mark Pratt  
c/o Ultima Genomics, Inc.  
7979 Gateway Boulevard, Suite 101  
Newark, California 94560  
United States of America
- 5 Florian Oberstrass  
c/o Ultima Genomics, Inc.  
7979 Gateway Boulevard, Suite 101  
Newark, California 94560  
United States of America

(each referred to in this Assignment as "Assignor"), whose residence or mailing address information is listed above.

This Assignment is to:

Assignee: Ultima Genomics, Inc.  
Address: 7979 Gateway Boulevard, Suite 101  
Newark, California 94560  
United States of America  
A juristic entity duly organized under and pursuant to the laws of: Delaware

(referred to in this Assignment as "Assignee"), which desires to acquire the entire right, title and interest in, to and under the patent application identified below and the inventions covered thereby.

Assignor invented certain new and useful inventions in:

### METHODS FOR DETECTING NUCLEIC ACID VARIANTS

which are set forth in:


Serial No.: 16/864,981      Filing Date: May 1, 2020  
Serial No.: PCT/US2020/031147      Filing Date: May 1, 2020  
(which identifying information may be added after execution)

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and to the extent that the Assignor has not done so already via a prior agreement with the Assignee or a predecessor in interest of the Assignee, or if the Assignor has already done so via a prior agreement with the Assignee or a predecessor in interest of the Assignee then in confirmation of any obligation to do so in said prior agreement,

1. Assignor hereby sells, assigns, transfers and sets over, to Assignee, its successors, legal representatives and assigns, Assignor's entire right, title and interest in and to the above-mentioned inventions, application for letters patent, any and all non-provisionals, divisions, continuations, and continuations-in-part claiming priority thereto or the benefit thereof, substitutions of said applications, and any and all letters patent or patents in the United States of America and all foreign countries or jurisdictions which may be granted therefor and thereon, including, without limitation, any modifications to such letters patent or patents such as through reissue, re-examination or other post-grant proceeding, and any and all extensions of said letters patent or patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee (including any right to institute actions and to recover damages for past, present and future infringement, and any and all rights to claim priority to said application and any and all applications claiming priority thereto or based on said inventions), for its own use and the use of its successors, legal representatives and assigns, to the full end of the term or terms for which letters patent or patents may be granted, as fully and entirely as the same would have been held and enjoyed by Assignor, had this sale and assignment not been made.
2. Assignor represents, warrants and covenants (a) that, at the time of execution and delivery of this agreement, Assignor is the sole and lawful owner of Assignor's entire right, title and interest in and to said inventions arising from Assignor's inventorship thereof and said application for letters patent, and that the same are unencumbered and that Assignor has good and full right and lawful authority to sell and convey the same in the manner set forth in this agreement, or (b) that Assignor solely and lawfully owned Assignor's entire right, title and interest in and to said inventions arising from Assignor's inventorship thereof and said application for letters patent, and that the same were unencumbered and that Assignor previously sold, assigned, transferred and set over, to Assignee, its successors, legal representatives and assigns, or to a predecessor in interest of Assignee, Assignor's entire right, title and interest in and to said inventions and said applications for letters patent.
3. Assignor shall promptly sign, execute, and deliver to Assignee all papers, instruments, affidavits, and documents, take all lawful oaths, and do all acts necessary, required or useful for the procurement, maintenance, enforcement, defense or otherwise to secure title thereto to the Assignee, at the sole cost and expense of Assignee, its successors, legal representatives and assigns, in each case including, without limitation, arising from or relating to (a) said inventions, or said application for letters patent; (b) any non-provisional, division, continuation, or continuation-in-part claiming priority thereto or the benefit thereof, or any substitution of any such application, or (c) any letters patent or patents for said inventions in any country or jurisdiction, including, without limitation, any modifications to such letters patent or patents such as through reissue, re-examination, or other post-grant proceeding. For purposes of this paragraph, "procurement, maintenance, enforcement, defense" shall include, without limitation, any preparation, prosecution, pre-grant proceeding, and post-grant proceeding, whether before a patent office or other administrative body or judicial body with jurisdiction therefor.
4. Assignor hereby authorizes and requests the Commissioner for Patents in the United States to issue the above mentioned letters patents of the United States and any reissue, reexamination, review, or extension thereof to and in the name of Assignee as the assignee of said inventions and the letters patents to be issued thereon for the sole use of Assignee, its successors, legal representatives and assigns.
5. Assignor hereby grants attorneys, all of Morrison & Foerster LLP (or as needed attorneys of the applicable country appointed and authorized by Morrison & Foerster LLP), the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark office or any foreign patent issuing authority for recordation of this document, including the power to insert on this assignment the application number and filing date of said application when known.
6. This assignment may be executed in one or more counterparts, with the same effect as if each signature were on the same document. Each counterpart so executed shall be deemed to be an original, and all such counterparts shall be construed together and shall constitute one agreement.

In witness whereby, executed by the undersigned on the date(s) opposite the undersigned name(s).

ASSIGNOR(s):

Date: <u>4.6.20</u>	Signature: <u></u> Yoav Etzioni
Date: _____	Signature: _____ Simchon Faigler
Date: _____	Signature: _____ Gilad Almogy
Date: _____	Signature: _____ Mark Pratt
Date: _____	Signature: _____ Florian Oberstrass

ASSIGNEE:

Date: _____	Signature: _____ Name: Gilad Almogy Title: CEO Company: Ultima Genomics, Inc.
-------------	--

## ASSIGNMENT

This assignment is by:

- 1 Yoav Etzioni  
c/o Ultima Genomics, Inc.  
7979 Gateway Boulevard, Suite 101  
Newark, California 94560  
United States of America
- 2 Simchon Faigler  
c/o Ultima Genomics, Inc.  
7979 Gateway Boulevard, Suite 101  
Newark, California 94560  
United States of America
- 3 Gilad Almogy  
c/o Ultima Genomics, Inc.  
7979 Gateway Boulevard, Suite 101  
Newark, California 94560  
United States of America
- 4 Mark Pratt  
c/o Ultima Genomics, Inc.  
7979 Gateway Boulevard, Suite 101  
Newark, California 94560  
United States of America
- 5 Florian Oberstrass  
c/o Ultima Genomics, Inc.  
7979 Gateway Boulevard, Suite 101  
Newark, California 94560  
United States of America

(each referred to in this Assignment as "Assignor"), whose residence or mailing address information is listed above.

This Assignment is to:

Assignee: Ultima Genomics, Inc.  
Address: 7979 Gateway Boulevard, Suite 101  
Newark, California 94560  
United States of America  
A juristic entity duly organized under and pursuant to the laws of: Delaware

(referred to in this Assignment as "Assignee"), which desires to acquire the entire right, title and interest in, to and under the patent application identified below and the inventions covered thereby.

Assignor invented certain new and useful inventions in:

METHODS FOR DETECTING NUCLEIC ACID VARIANTS

which are set forth in:

Serial No.: 16/864,981 Filing Date: May 1, 2020  
Serial No.: PCT/US2020/031147 Filing Date: May 1, 2020  
(which identifying information may be added after execution)

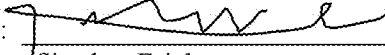
For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and to the extent that the Assignor has not done so already via a prior agreement with the Assignee or a predecessor in interest of the Assignee, or if the Assignor has already done so via a prior agreement with the Assignee or a predecessor in interest of the Assignee then in confirmation of any obligation to do so in said prior agreement,

1. Assignor hereby sells, assigns, transfers and sets over, to Assignee, its successors, legal representatives and assigns, Assignor's entire right, title and interest in and to the above-mentioned inventions, application for letters patent, any and all non-provisionals, divisions, continuations, and continuations-in-part claiming priority thereto or the benefit thereof, substitutions of said applications, and any and all letters patent or patents in the United States of America and all foreign countries or jurisdictions which may be granted therefor and thereon, including, without limitation, any modifications to such letters patent or patents such as through reissue, re-examination or other post-grant proceeding, and any and all extensions of said letters patent or patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee (including any right to institute actions and to recover damages for past, present and future infringement, and any and all rights to claim priority to said application and any and all applications claiming priority thereto or based on said inventions), for its own use and the use of its successors, legal representatives and assigns, to the full end of the term or terms for which letters patent or patents may be granted, as fully and entirely as the same would have been held and enjoyed by Assignor, had this sale and assignment not been made.
2. Assignor represents, warrants and covenants (a) that, at the time of execution and delivery of this agreement, Assignor is the sole and lawful owner of Assignor's entire right, title and interest in and to said inventions arising from Assignor's inventorship thereof and said application for letters patent, and that the same are unencumbered and that Assignor has good and full right and lawful authority to sell and convey the same in the manner set forth in this agreement, or (b) that Assignor solely and lawfully owned Assignor's entire right, title and interest in and to said inventions arising from Assignor's inventorship thereof and said application for letters patent, and that the same were unencumbered and that Assignor previously sold, assigned, transferred and set over, to Assignee, its successors, legal representatives and assigns, or to a predecessor in interest of Assignee, Assignor's entire right, title and interest in and to said inventions and said applications for letters patent.
3. Assignor shall promptly sign, execute, and deliver to Assignee all papers, instruments, affidavits, and documents, take all lawful oaths, and do all acts necessary, required or useful for the procurement, maintenance, enforcement, defense or otherwise to secure title thereto to the Assignee, at the sole cost and expense of Assignee, its successors, legal representatives and assigns, in each case including, without limitation, arising from or relating to (a) said inventions, or said application for letters patent; (b) any non-provisional, division, continuation, or continuation-in-part claiming priority thereto or the benefit thereof, or any substitution of any such application, or (c) any letters patent or patents for said inventions in any country or jurisdiction, including, without limitation, any modifications to such letters patent or patents such as through reissue, re-examination, or other post-grant proceeding. For purposes of this paragraph, "procurement, maintenance, enforcement, defense" shall include, without limitation, any preparation, prosecution, pre-grant proceeding, and post-grant proceeding, whether before a patent office or other administrative body or judicial body with jurisdiction therefor.
4. Assignor hereby authorizes and requests the Commissioner for Patents in the United States to issue the above mentioned letters patents of the United States and any reissue, reexamination, review, or extension thereof to and in the name of Assignee as the assignee of said inventions and the letters patents to be issued thereon for the sole use of Assignee, its successors, legal representatives and assigns.
5. Assignor hereby grants attorneys, all of Morrison & Foerster LLP (or as needed attorneys of the applicable country appointed and authorized by Morrison & Foerster LLP), the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark office or any foreign patent issuing authority for recordation of this document, including the power to insert on this assignment the application number and filing date of said application when known.
6. This assignment may be executed in one or more counterparts, with the same effect as if each signature were on the same document. Each counterpart so executed shall be deemed to be an original, and all such counterparts shall be construed together and shall constitute one agreement.

In witness whereby, executed by the undersigned on the date(s) opposite the undersigned name(s).

ASSIGNOR(s):

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
Yoav Etzioni

Date: 06/04/2020 Signature:   
Simchon Faigler

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
Gilad Almog

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
Mark Pratt

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
Florian Oberstrass

ASSIGNEE:

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
Name: Gilad Almog  
Title: CEO  
Company: Ultima Genomics, Inc.



## ASSIGNMENT

This assignment is by:

- 1 Yoav Etzioni  
c/o Ultima Genomics, Inc.  
7979 Gateway Boulevard, Suite 101  
Newark, California 94560  
United States of America
- 2 Simchon Faigler  
c/o Ultima Genomics, Inc.  
7979 Gateway Boulevard, Suite 101  
Newark, California 94560  
United States of America
- 3 Gilad Almogy  
c/o Ultima Genomics, Inc.  
7979 Gateway Boulevard, Suite 101  
Newark, California 94560  
United States of America
- 4 Mark Pratt  
c/o Ultima Genomics, Inc.  
7979 Gateway Boulevard, Suite 101  
Newark, California 94560  
United States of America
- 5 Florian Oberstrass  
c/o Ultima Genomics, Inc.  
7979 Gateway Boulevard, Suite 101  
Newark, California 94560  
United States of America

(each referred to in this Assignment as "Assignor"), whose residence or mailing address information is listed above.

This Assignment is to:

Assignee: Ultima Genomics, Inc.  
Address: 7979 Gateway Boulevard, Suite 101  
Newark, California 94560  
United States of America  
A juristic entity duly organized under and pursuant to the laws of: Delaware

(referred to in this Assignment as "Assignee"), which desires to acquire the entire right, title and interest in, to and under the patent application identified below and the inventions covered thereby.

Assignor invented certain new and useful inventions in:

### METHODS FOR DETECTING NUCLEIC ACID VARIANTS

which are set forth in:

Serial No.: 16/864,981 Filing Date: May 1, 2020  
Serial No.: PCT/US2020/031147 Filing Date: May 1, 2020  
(which identifying information may be added after execution)

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and to the extent that the Assignor has not done so already via a prior agreement with the Assignee or a predecessor in interest of the Assignee, or if the Assignor has already done so via a prior agreement with the Assignee or a predecessor in interest of the Assignee then in confirmation of any obligation to do so in said prior agreement,

1. Assignor hereby sells, assigns, transfers and sets over, to Assignee, its successors, legal representatives and assigns, Assignor's entire right, title and interest in and to the above-mentioned inventions, application for letters patent, any and all non-provisionals, divisions, continuations, and continuations-in-part claiming priority thereto or the benefit thereof, substitutions of said applications, and any and all letters patent or patents in the United States of America and all foreign countries or jurisdictions which may be granted therefor and thereon, including, without limitation, any modifications to such letters patent or patents such as through reissue, re-examination or other post-grant proceeding, and any and all extensions of said letters patent or patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee (including any right to institute actions and to recover damages for past, present and future infringement, and any and all rights to claim priority to said application and any and all applications claiming priority thereto or based on said inventions), for its own use and the use of its successors, legal representatives and assigns, to the full end of the term or terms for which letters patent or patents may be granted, as fully and entirely as the same would have been held and enjoyed by Assignor, had this sale and assignment not been made.
2. Assignor represents, warrants and covenants (a) that, at the time of execution and delivery of this agreement, Assignor is the sole and lawful owner of Assignor's entire right, title and interest in and to said inventions arising from Assignor's inventorship thereof and said application for letters patent, and that the same are unencumbered and that Assignor has good and full right and lawful authority to sell and convey the same in the manner set forth in this agreement, or (b) that Assignor solely and lawfully owned Assignor's entire right, title and interest in and to said inventions arising from Assignor's inventorship thereof and said application for letters patent, and that the same were unencumbered and that Assignor previously sold, assigned, transferred and set over, to Assignee, its successors, legal representatives and assigns, or to a predecessor in interest of Assignee, Assignor's entire right, title and interest in and to said inventions and said applications for letters patent.
3. Assignor shall promptly sign, execute, and deliver to Assignee all papers, instruments, affidavits, and documents, take all lawful oaths, and do all acts necessary, required or useful for the procurement, maintenance, enforcement, defense or otherwise to secure title thereto to the Assignee, at the sole cost and expense of Assignee, its successors, legal representatives and assigns, in each case including, without limitation, arising from or relating to (a) said inventions, or said application for letters patent; (b) any non-provisional, division, continuation, or continuation-in-part claiming priority thereto or the benefit thereof, or any substitution of any such application, or (c) any letters patent or patents for said inventions in any country or jurisdiction, including, without limitation, any modifications to such letters patent or patents such as through reissue, re-examination, or other post-grant proceeding. For purposes of this paragraph, "procurement, maintenance, enforcement, defense" shall include, without limitation, any preparation, prosecution, pre-grant proceeding, and post-grant proceeding, whether before a patent office or other administrative body or judicial body with jurisdiction therefor.
4. Assignor hereby authorizes and requests the Commissioner for Patents in the United States to issue the above mentioned letters patents of the United States and any reissue, reexamination, review, or extension thereof to and in the name of Assignee as the assignee of said inventions and the letters patents to be issued thereon for the sole use of Assignee, its successors, legal representatives and assigns.
5. Assignor hereby grants attorneys, all of Morrison & Foerster LLP (or as needed attorneys of the applicable country appointed and authorized by Morrison & Foerster LLP), the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark office or any foreign patent issuing authority for recordation of this document, including the power to insert on this assignment the application number and filing date of said application when known.
6. This assignment may be executed in one or more counterparts, with the same effect as if each signature were on the same document. Each counterpart so executed shall be deemed to be an original, and all such counterparts shall be construed together and shall constitute one agreement.

In witness whereby, executed by the undersigned on the date(s) opposite the undersigned name(s).

ASSIGNOR(s):

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
Yoav Etzioni

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
Simchon Faigler

Date: 6/4/2020 Signature: Gilad Almogy *3rd*  
Gilad Almogy

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
Mark Pratt

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
Florian Oberstrass

ASSIGNEE:

Date: 6/4/2020 Signature: Gilad Almogy *3rd*  
Name: Gilad Almogy  
Title: CEO  
Company: Ultima Genomics, Inc.

## ASSIGNMENT

This assignment is by:

- 1 Yoav Etzioni  
c/o Ultima Genomics, Inc.  
7979 Gateway Boulevard, Suite 101  
Newark, California 94560  
United States of America
- 2 Simchon Faigler  
c/o Ultima Genomics, Inc.  
7979 Gateway Boulevard, Suite 101  
Newark, California 94560  
United States of America
- 3 Gilad Almogy  
c/o Ultima Genomics, Inc.  
7979 Gateway Boulevard, Suite 101  
Newark, California 94560  
United States of America
- 4 Mark Pratt  
c/o Ultima Genomics, Inc.  
7979 Gateway Boulevard, Suite 101  
Newark, California 94560  
United States of America
- 5 Florian Oberstrass  
c/o Ultima Genomics, Inc.  
7979 Gateway Boulevard, Suite 101  
Newark, California 94560  
United States of America

(each referred to in this Assignment as "Assignor"), whose residence or mailing address information is listed above.

This Assignment is to:

Assignee: Ultima Genomics, Inc.  
Address: 7979 Gateway Boulevard, Suite 101  
Newark, California 94560  
United States of America  
A juristic entity duly organized under and pursuant to the laws of: Delaware

(referred to in this Assignment as "Assignee"), which desires to acquire the entire right, title and interest in, to and under the patent application identified below and the inventions covered thereby.

Assignor invented certain new and useful inventions in:

METHODS FOR DETECTING NUCLEIC ACID VARIANTS

which are set forth in:

Serial No.: 16/864,981 Filing Date: May 1, 2020  
Serial No.: PCT/US2020/031147 Filing Date: May 1, 2020  
(which identifying information may be added after execution)

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and to the extent that the Assignor has not done so already via a prior agreement with the Assignee or a predecessor in interest of the Assignee, or if the Assignor has already done so via a prior agreement with the Assignee or a predecessor in interest of the Assignee then in confirmation of any obligation to do so in said prior agreement,

1. Assignor hereby sells, assigns, transfers and sets over, to Assignee, its successors, legal representatives and assigns, Assignor's entire right, title and interest in and to the above-mentioned inventions, application for letters patent, any and all non-provisionals, divisions, continuations, and continuations-in-part claiming priority thereto or the benefit thereof, substitutions of said applications, and any and all letters patent or patents in the United States of America and all foreign countries or jurisdictions which may be granted therefor and thereon, including, without limitation, any modifications to such letters patent or patents such as through reissue, re-examination or other post-grant proceeding, and any and all extensions of said letters patent or patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee (including any right to institute actions and to recover damages for past, present and future infringement, and any and all rights to claim priority to said application and any and all applications claiming priority thereto or based on said inventions), for its own use and the use of its successors, legal representatives and assigns, to the full end of the term or terms for which letters patent or patents may be granted, as fully and entirely as the same would have been held and enjoyed by Assignor, had this sale and assignment not been made.
2. Assignor represents, warrants and covenants (a) that, at the time of execution and delivery of this agreement, Assignor is the sole and lawful owner of Assignor's entire right, title and interest in and to said inventions arising from Assignor's inventorship thereof and said application for letters patent, and that the same are unencumbered and that Assignor has good and full right and lawful authority to sell and convey the same in the manner set forth in this agreement, or (b) that Assignor solely and lawfully owned Assignor's entire right, title and interest in and to said inventions arising from Assignor's inventorship thereof and said application for letters patent, and that the same were unencumbered and that Assignor previously sold, assigned, transferred and set over, to Assignee, its successors, legal representatives and assigns, or to a predecessor in interest of Assignee, Assignor's entire right, title and interest in and to said inventions and said applications for letters patent.
3. Assignor shall promptly sign, execute, and deliver to Assignee all papers, instruments, affidavits, and documents, take all lawful oaths, and do all acts necessary, required or useful for the procurement, maintenance, enforcement, defense or otherwise to secure title thereto to the Assignee, at the sole cost and expense of Assignee, its successors, legal representatives and assigns, in each case including, without limitation, arising from or relating to (a) said inventions, or said application for letters patent; (b) any non-provisional, division, continuation, or continuation-in-part claiming priority thereto or the benefit thereof, or any substitution of any such application, or (c) any letters patent or patents for said inventions in any country or jurisdiction, including, without limitation, any modifications to such letters patent or patents such as through reissue, re-examination, or other post-grant proceeding. For purposes of this paragraph, "procurement, maintenance, enforcement, defense" shall include, without limitation, any preparation, prosecution, pre-grant proceeding, and post-grant proceeding, whether before a patent office or other administrative body or judicial body with jurisdiction therefor.
4. Assignor hereby authorizes and requests the Commissioner for Patents in the United States to issue the above mentioned letters patents of the United States and any reissue, reexamination, review, or extension thereof to and in the name of Assignee as the assignee of said inventions and the letters patents to be issued thereon for the sole use of Assignee, its successors, legal representatives and assigns.
5. Assignor hereby grants attorneys, all of Morrison & Foerster LLP (or as needed attorneys of the applicable country appointed and authorized by Morrison & Foerster LLP), the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark office or any foreign patent issuing authority for recordation of this document, including the power to insert on this assignment the application number and filing date of said application when known.
6. This assignment may be executed in one or more counterparts, with the same effect as if each signature were on the same document. Each counterpart so executed shall be deemed to be an original, and all such counterparts shall be construed together and shall constitute one agreement.

In witness whereby, executed by the undersigned on the date(s) opposite the undersigned name(s).

ASSIGNOR(s):

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
Yoav Etzioni

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
Simchon Faigler

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
Gilad Almog

Date: 4 June, 2020 Signature: Mark Pratt  
Mark Pratt

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
Florian Oberstrass

ASSIGNEE:

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
Name: Gilad Almog  
Title: CEO  
Company: Ultima Genomics, Inc.

## ASSIGNMENT

This assignment is by:

- 1 Yoav Etzioni  
c/o Ultima Genomics, Inc.  
7979 Gateway Boulevard, Suite 101  
Newark, California 94560  
United States of America
- 2 Simchon Faigler  
c/o Ultima Genomics, Inc.  
7979 Gateway Boulevard, Suite 101  
Newark, California 94560  
United States of America
- 3 Gilad Almogy  
c/o Ultima Genomics, Inc.  
7979 Gateway Boulevard, Suite 101  
Newark, California 94560  
United States of America
- 4 Mark Pratt  
c/o Ultima Genomics, Inc.  
7979 Gateway Boulevard, Suite 101  
Newark, California 94560  
United States of America
- 5 Florian Oberstrass  
c/o Ultima Genomics, Inc.  
7979 Gateway Boulevard, Suite 101  
Newark, California 94560  
United States of America

(each referred to in this Assignment as "Assignor"), whose residence or mailing address information is listed above.

This Assignment is to:

Assignee: Ultima Genomics, Inc.  
Address: 7979 Gateway Boulevard, Suite 101  
Newark, California 94560  
United States of America  
A juristic entity duly organized under and pursuant to the laws of: Delaware

(referred to in this Assignment as "Assignee"), which desires to acquire the entire right, title and interest in, to and under the patent application identified below and the inventions covered thereby.

Assignor invented certain new and useful inventions in:

METHODS FOR DETECTING NUCLEIC ACID VARIANTS

which are set forth in:

Serial No.: 16/864,981 Filing Date: May 1, 2020  
Serial No.: PCT/US2020/031147 Filing Date: May 1, 2020  
(which identifying information may be added after execution)

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and to the extent that the Assignor has not done so already via a prior agreement with the Assignee or a predecessor in interest of the Assignee, or if the Assignor has already done so via a prior agreement with the Assignee or a predecessor in interest of the Assignee then in confirmation of any obligation to do so in said prior agreement,

1. Assignor hereby sells, assigns, transfers and sets over, to Assignee, its successors, legal representatives and assigns, Assignor's entire right, title and interest in and to the above-mentioned inventions, application for letters patent, any and all non-provisionals, divisions, continuations, and continuations-in-part claiming priority thereto or the benefit thereof, substitutions of said applications, and any and all letters patent or patents in the United States of America and all foreign countries or jurisdictions which may be granted therefor and thereon, including, without limitation, any modifications to such letters patent or patents such as through reissue, re-examination or other post-grant proceeding, and any and all extensions of said letters patent or patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee (including any right to institute actions and to recover damages for past, present and future infringement, and any and all rights to claim priority to said application and any and all applications claiming priority thereto or based on said inventions), for its own use and the use of its successors, legal representatives and assigns, to the full end of the term or terms for which letters patent or patents may be granted, as fully and entirely as the same would have been held and enjoyed by Assignor, had this sale and assignment not been made.
2. Assignor represents, warrants and covenants (a) that, at the time of execution and delivery of this agreement, Assignor is the sole and lawful owner of Assignor's entire right, title and interest in and to said inventions arising from Assignor's inventorship thereof and said application for letters patent, and that the same are unencumbered and that Assignor has good and full right and lawful authority to sell and convey the same in the manner set forth in this agreement, or (b) that Assignor solely and lawfully owned Assignor's entire right, title and interest in and to said inventions arising from Assignor's inventorship thereof and said application for letters patent, and that the same were unencumbered and that Assignor previously sold, assigned, transferred and set over, to Assignee, its successors, legal representatives and assigns, or to a predecessor in interest of Assignee, Assignor's entire right, title and interest in and to said inventions and said applications for letters patent.
3. Assignor shall promptly sign, execute, and deliver to Assignee all papers, instruments, affidavits, and documents, take all lawful oaths, and do all acts necessary, required or useful for the procurement, maintenance, enforcement, defense or otherwise to secure title thereto to the Assignee, at the sole cost and expense of Assignee, its successors, legal representatives and assigns, in each case including, without limitation, arising from or relating to (a) said inventions, or said application for letters patent; (b) any non-provisional, division, continuation, or continuation-in-part claiming priority thereto or the benefit thereof, or any substitution of any such application, or (c) any letters patent or patents for said inventions in any country or jurisdiction, including, without limitation, any modifications to such letters patent or patents such as through reissue, re-examination, or other post-grant proceeding. For purposes of this paragraph, "procurement, maintenance, enforcement, defense" shall include, without limitation, any preparation, prosecution, pre-grant proceeding, and post-grant proceeding, whether before a patent office or other administrative body or judicial body with jurisdiction therefor.
4. Assignor hereby authorizes and requests the Commissioner for Patents in the United States to issue the above mentioned letters patents of the United States and any reissue, reexamination, review, or extension thereof to and in the name of Assignee as the assignee of said inventions and the letters patents to be issued thereon for the sole use of Assignee, its successors, legal representatives and assigns.
5. Assignor hereby grants attorneys, all of Morrison & Foerster LLP (or as needed attorneys of the applicable country appointed and authorized by Morrison & Foerster LLP), the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark office or any foreign patent issuing authority for recordation of this document, including the power to insert on this assignment the application number and filing date of said application when known.
6. This assignment may be executed in one or more counterparts, with the same effect as if each signature were on the same document. Each counterpart so executed shall be deemed to be an original, and all such counterparts shall be construed together and shall constitute one agreement.



In witness whereby, executed by the undersigned on the date(s) opposite the undersigned name(s).


ASSIGNOR(s):

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
Yoav Etzioni

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
Simchon Faigler

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
Gilad Almog

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
Mark Pratt

Date: 6/3/2020 Signature:   
Florian Oberstrass

ASSIGNEE:

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
Name: Gilad Almog  
Title: CEO  
Company: Ultima Genomics, Inc.