

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6950309

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
PHILIP BENFEY	07/20/2018
JESSE WINDLE	07/27/2018
DANIEL GOLDMAN	07/20/2018
JEFF AGUILAR	07/20/2018
LOGAN JOHNSON	07/24/2018
RECEIVING PARTY DATA	
Name:	HI FIDELITY GENETICS LLC
Street Address:	326 W GEER STREET
City:	DURHAM
State/Country:	NORTH CAROLINA
Postal Code:	27701
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16938822
CORRESPONDENCE DATA	
Fax Number:	(415)268-7522
<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:	(415) 268-7000
Email:	dhill@mofo.com
Correspondent Name:	KEVIN JONES
Address Line 1:	MORRISON & FOERSTER
Address Line 2:	425 MARKET STREET
Address Line 4:	SAN FRANCISCO, CALIFORNIA 94105
ATTORNEY DOCKET NUMBER:	73314-20001.01
NAME OF SUBMITTER:	KEVIN JONES
SIGNATURE:	/Kevin Jones/
DATE SIGNED:	10/04/2021
Total Attachments: 7	

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ASSIGNMENT

This assignment is by:

1. Philip BENFEY
c/o Hi Fidelity Genetics LLC
326 W Geer Street
Durham, NC 27701
2. Jesse WINDLE
c/o Hi Fidelity Genetics LLC
326 W Geer Street
Durham, NC 27701
3. Daniel GOLDMAN
c/o Hi Fidelity Genetics LLC
326 W Geer Street
Durham, NC 27701
4. Jeff AGUILAR
c/o Hi Fidelity Genetics LLC
326 W Geer Street
Durham, NC 27701
5. Logan JOHNSON
c/o Hi Fidelity Genetics LLC
326 W Geer Street
Durham, NC 27701

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

This Assignment is to:

Assignee: Hi Fidelity Genetics LLC
Address: 326 W Geer Street, Durham, NC 27701

(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 AND DEVICES FOR NON-INVASIVE ROOT PHENOTYPING

which are set forth in:

Serial No.: 15/778,195 Filing Date: November 22, 2016

(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 provisionals, 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), 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 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 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 and execute all papers 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 provisional, 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 of Patents in the United States to issue the above mentioned letters patent of the United States to Assignee as the assignee of said inventions and the letters patent 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, 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).

ASSIGNORS:

Date: 7/20/18

Signature: /Philip Benfey/
Philip BENFEY

Date: _____

Signature: _____
Jesse WINDLE

Date: _____

Signature: _____
Daniel GOLDMAN

Date: _____

Signature: _____
Jeff AGUILAR

Date: _____

Signature: _____
Logan JOHNSON

ASSIGNEE:

Date: 7/20/18

Signature: /Philip Benfey/

Name: Philip Benfey

Title: Co-Founder

Company: Hi Fidelity Genetics LLC

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), 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.

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5. Assignor hereby grants attorneys, all of 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.

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

ASSIGNORS:

Date: _____	Signature: _____ Philip BENFEY
Date: <u>July 27, 2018</u>	Signature: <u>/Jesse Bennett Windle/</u> Jesse WINDLE
Date: _____	Signature: _____ Daniel GOLDMAN
Date: _____	Signature: _____ Jeff AGUILAR
Date: _____	Signature: _____ Logan JOHNSON

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), 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.

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

ASSIGNORS:

Date: _____	Signature: _____ Philip BENFEY
Date: _____	Signature: _____ Jesse WINDLE
Date: <u>7-20-2018</u>	Signature: _____ /Daniel Ivan Goldman/ Daniel GOLDMAN
Date: _____	Signature: _____ Jeff AGUILAR
Date: _____	Signature: _____ Logan JOHNSON

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ASSIGNORS:

Date: _____	Signature: _____ Philip BENFEY
Date: _____	Signature: _____ Jesse WINDLE
Date: _____	Signature: _____ Daniel GOLDMAN
Date: <u>7/20/2018</u>	Signature: <u>/Jeffrey Aguilar/</u> Jeff AGUILAR
Date: _____	Signature: _____ Logan JOHNSON

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

ASSIGNORS:

Date: _____	Signature: _____ Philip BENFEY
Date: _____	Signature: _____ Jesse WINDLE
Date: _____	Signature: _____ Daniel GOLDMAN
Date: _____	Signature: _____ Jeff AGUILAR
Date: <u>7-24-2018</u>	Signature: <u>/Logan Scott Johnson/</u> Logan JOHNSON