

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4621003

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MATHEW J. BARBER	05/26/2017
YONG WANG	04/20/2017
KEITH D. NOTO	04/18/2017
KENNETH G. CHAHINE	08/21/2017
CATHERINE ANN BALL	04/20/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ANCESTRY.COM DNA, LLC
<b>Street Address:</b>	1300 W. TRAVERSE PARKWAY
<b>City:</b>	LEHI
<b>State/Country:</b>	UTAH
<b>Postal Code:</b>	84043
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15519104
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(650)938-5200
<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>	650-335-7160
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<b>Correspondent Name:</b>	ANDREW P. WHITEHEAD
<b>Address Line 1:</b>	FENWICK & WEST LLP
<b>Address Line 2:</b>	801 CALIFORNIA STREET
<b>Address Line 4:</b>	MOUNTAIN VIEW, CALIFORNIA 94041
<b>ATTORNEY DOCKET NUMBER:</b>	29584-29132/US
<b>NAME OF SUBMITTER:</b>	ANDREW P. WHITEHEAD
<b>SIGNATURE:</b>	/Andrew P. Whitehead/
<b>DATE SIGNED:</b>	09/30/2017
<b>Total Attachments: 3</b>	

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## ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, the person(s) named below (referred to as "INVENTOR" whether singular or plural) has sold, assigned, and transferred and does hereby sell, assign, and transfer to **Ancestry.com DNA, LLC**, a Delaware Limited Liability Company having a place of business at **1300 W. Traverse Parkway, Lehi, UT 84043** ("ASSIGNEE"), for itself and its successors, transferees, and assignees, the following:

1. The entire worldwide right, title, and interest in all inventions and improvements ("SUBJECT MATTER") that are disclosed in the following provisional or non-provisional application filed under 35 U.S.C. § 111, design application filed under 35 U.S.C. § 171, Registered Community Designs, international application filed according to the Patent Cooperation Treaty (PCT), or U.S. national phase application filed under 35 U.S.C. § 371 ("APPLICATION"):

- U.S. Application No. **15/519,104**, entitled "**REDUCING ERROR IN PREDICTED GENETIC RELATIONSHIPS**," which is a National Phase Entry of International Application No. PCT/US2015/055579, filed on October 14, 2015, which claims priority from U.S. Application No. 62/063,849, filed on October 14, 2014.

2. The entire worldwide right, title, and interest in and to:  
(a) the APPLICATION; (b) all applications claiming priority from the APPLICATION;  
(c) all provisional, utility, divisional, continuation, substitute, renewal, reissue, and other applications related thereto that have been or may be filed in the United States or elsewhere in the world; (d) all patents (including reissues and re-examinations) that may be granted on the applications set forth in (a), (b), and (c) above; and (e) all right of priority in the APPLICATION and in any underlying provisional or foreign application, together with all rights to recover damages for infringement of provisional rights.

INVENTOR agrees that ASSIGNEE may apply for and receive patents for SUBJECT MATTER in ASSIGNEE's own name.

INVENTOR agrees to do the following, when requested, and without further consideration, in order to carry out the intent of this Assignment: (1) execute all oaths, assignments, powers of attorney, applications, and other papers necessary or desirable to fully secure to ASSIGNEE the rights, titles and interests herein conveyed; (2) communicate to ASSIGNEE all known facts relating to the SUBJECT MATTER; and (3) generally do all lawful acts that ASSIGNEE shall consider desirable for securing, maintaining, and enforcing worldwide patent protection relating to the SUBJECT MATTER and for vesting in ASSIGNEE the rights, titles, and interests herein conveyed. INVENTOR further agrees to provide any successor, assign, or legal representative of ASSIGNEE with the benefits and assistance provided to ASSIGNEE hereunder.

INVENTOR represents that INVENTOR has the rights, titles, and interests to convey as set forth herein, and covenants with ASSIGNEE that the INVENTOR has not made and will not

Title:	REDUCING ERROR IN PREDICTED GENETIC RELATIONSHIPS		
Filed:	April 13, 2017	Atty Docket #:	29584-29132/US
Application #:	15/519,104	Client Ref #:	Timber US1

hereafter make any assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.

INVENTOR grants the attorney of record the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office or other authority for recordation of this document.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

\_\_\_\_\_  
Name and Signature

*Mathew J. Barber*

\_\_\_\_\_  
Mathew J. BARBER

\_\_\_\_\_  
Date of Signature

\_\_\_\_\_  
May 26, 2017

\_\_\_\_\_  
Name and Signature

*Yong Wang*

\_\_\_\_\_  
Yong WANG

\_\_\_\_\_  
Date of Signature

\_\_\_\_\_  
Apr 20, 2017

\_\_\_\_\_  
Name and Signature

*Keith D. Noto*

\_\_\_\_\_  
Keith D. NOTO

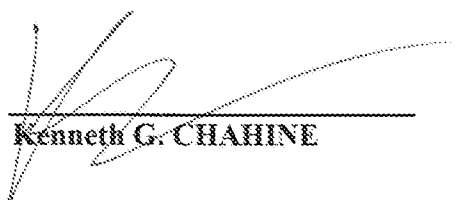
\_\_\_\_\_  
Date of Signature

\_\_\_\_\_  
Apr 18, 2017

Title:	REDUCING ERROR IN PREDICTED GENETIC RELATIONSHIPS		
Filed:	April 13, 2017	Atty Docket #:	29584-29132/US
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Name and Signature

Date of Signature

  
Kenneth G. CHAHINE

August 21, 2017

Name and Signature

Date of Signature

Catherine A. Ball

Apr 20, 2017

Catherine Ann BALL