

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4707687

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	RELEASE OF SECURITY INTEREST

**CONVEYING PARTY DATA**

Name	Execution Date
DEUTSCHE BANK AG NEW YORK BRANCH	11/28/2017

**RECEIVING PARTY DATA**

<b>Name:</b>	ANCESTRY.COM LLC
<b>Street Address:</b>	1300 W. TRAVERSE PKWY
<b>City:</b>	LEHI
<b>State/Country:</b>	UTAH
<b>Postal Code:</b>	84043
<b>Name:</b>	ANCESTRY US HOLDINGS INC.
<b>Street Address:</b>	1300 W. TRAVERSE PKWY
<b>City:</b>	LEHI
<b>State/Country:</b>	UTAH
<b>Postal Code:</b>	84043
<b>Name:</b>	ANCESTRY.COM INC.
<b>Street Address:</b>	1300 W. TRAVERSE PKWY
<b>City:</b>	LEHI
<b>State/Country:</b>	UTAH
<b>Postal Code:</b>	84043
<b>Name:</b>	ANCESTRY.COM OPERATIONS INC.
<b>Street Address:</b>	1300 W. TRAVERSE PKWY
<b>City:</b>	LEHI
<b>State/Country:</b>	UTAH
<b>Postal Code:</b>	84043

**PROPERTY NUMBERS Total: 78**

Property Type	Number
Patent Number:	8375286
Patent Number:	7111144
Patent Number:	7392268
Patent Number:	8095567
Patent Number:	7249129

PATENT

<b>Property Type</b>	<b>Number</b>
Patent Number:	7724981
Patent Number:	7908315
Patent Number:	7756289
Patent Number:	7734092
Patent Number:	8446652
Patent Number:	7945116
Patent Number:	8073285
Patent Number:	8249391
Patent Number:	7870139
Patent Number:	8224821
Patent Number:	8825705
Patent Number:	8185557
Application Number:	12647767
Application Number:	12691571
Patent Number:	8140512
Patent Number:	9177266
Patent Number:	8786603
Patent Number:	8793574
Patent Number:	8894027
Patent Number:	8801201
Patent Number:	8356023
Patent Number:	7240062
Patent Number:	8731336
Patent Number:	8687890
Patent Number:	8769438
Patent Number:	8825709
Patent Number:	8768970
Patent Number:	8837787
Patent Number:	9030502
Patent Number:	9251394
Patent Number:	9330418
Patent Number:	8600980
Application Number:	13550800
Patent Number:	8824803
Patent Number:	8938439
Application Number:	13733045
Patent Number:	9197525
Application Number:	13739569

<b>Property Type</b>	<b>Number</b>
Patent Number:	8908971
Patent Number:	9053362
Application Number:	14457769
Application Number:	14841502
Application Number:	14841519
Application Number:	14841542
Patent Number:	9400942
Application Number:	15089090
Patent Number:	7957907
Patent Number:	8855935
Patent Number:	9390225
Application Number:	14029765
Patent Number:	8738297
Application Number:	14505066
PCT Number:	US2015056164
PCT Number:	US2015055579
Application Number:	14826070
PCT Number:	US2015059618
Patent Number:	7191147
Application Number:	62319299
Application Number:	62393276
Application Number:	62393849
Application Number:	14448721
PCT Number:	US2015056187
PCT Number:	IB2016053166
Application Number:	15168011
PCT Number:	IB2016054180
Application Number:	15209458
Application Number:	15203776
Application Number:	15182787
Patent Number:	8370759
Patent Number:	8019719
Patent Number:	8600152
Patent Number:	8949110
Patent Number:	9454545

**CORRESPONDENCE DATA**

Fax Number: (800)914-4240

**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.**

**Phone:** 800-713-0755  
**Email:** Michael.Violet@wolterskluwer.com  
**Correspondent Name:** CT CORPORATION  
**Address Line 1:** 4400 EASTON COMMONS WAY  
**Address Line 2:** SUITE 125  
**Address Line 4:** COLUMBUS, OHIO 43219

<b>NAME OF SUBMITTER:</b>	ELAINE CARRERA
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<b>SIGNATURE:</b>	/Elaine Carrera/
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<b>DATE SIGNED:</b>	11/29/2017
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**Total Attachments: 10**

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**RELEASE OF SECURITY INTEREST IN PATENTS**

This RELEASE OF SECURITY INTEREST IN PATENTS (this “Release”), dated as of November 28, 2017 (the “Effective Date”), is made by Deutsche Bank AG New York Branch, in its capacity as Collateral Agent (the “Agent”), in favor of the grantor parties identified on the signature page hereto (the “Grantors”).

WHEREAS, pursuant to that certain Second Lien Security Agreement, dated as of October 19, 2016, by and among the Agent, the Grantors and certain other parties thereto (as amended, amended and restated, or otherwise modified from time to time, the “Security Agreement”), the Grantors granted to the Agent, in its capacity as Collateral Agent, a security interest in and to certain collateral;

WHEREAS, pursuant to the Security Agreement, the Grantors executed and delivered a Second Lien Patent Security Agreement, dated as of October 19, 2016, (the “Patent Security Agreement”), for recordal with the United States Patent and Trademark Office;

WHEREAS, the Patent Security Agreement was recorded with the United States Patent and Trademark Office on October 24, 2016 at Reel/Frame 040259/0978;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Agent hereby agrees as follows:

1. Defined Terms. All capitalized terms used, but not otherwise defined herein, shall have the respective meanings ascribed in or otherwise referenced in the Security Agreement or the Patent Security Agreement, as applicable.

2. Release. The Agent, without representation or warranty of any kind, hereby releases, discharges, terminates and cancels all of its security interest in and to the Patent Collateral, including the patents and patent applications set forth Schedule I attached hereto, arising under the Security Agreement and the Patent Security Agreement. If and to the extent that the Agent has acquired any right, title or interest in and to the Patent Collateral under the Patent Security Agreement, the Agent, without representation or warranty of any kind, hereby re-transfers, re-conveys and re-assigns such right, title or interest to the Grantors.

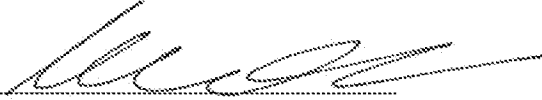
3. Termination. The Agent, without representation or warranty of any kind, terminates and cancels the Patent Security Agreement.

4. Further Assurances. The Agent agrees to take all further actions, and provide to the Grantors and its successors, assigns or other legal representatives, all such cooperation and assistance (including, without limitation, the execution and delivery of any and all documents or other instruments), reasonably requested by the Grantors, at the Grantors’ sole cost and expense, to more fully and effectively effectuate the purposes of this Release.


5. Governing Law. This Release shall be governed exclusively under the laws of the State of New York, without regard to conflicts of law or choice of law principles.

IN WITNESS WHEREOF, the Agent has caused this Release to be executed by its duly authorized representative as of the Effective Date:

**DEUTSCHE BANK AG NEW YORK  
BRANCH, acting in its capacity as  
Collateral Agent for the Lenders**

By: 


Name: \_\_\_\_\_  
Title: Anca Trifan  
Managing Director

By: 


Name: \_\_\_\_\_  
Title: Marcus Tarkington  
Director

**GRANTORS:**

**ANCESTRY.COM LLC**

By:   
Name: Howard Hochhauser  
Title: Interim CEO, CFO, and CFO

**ANCESTRY US HOLDINGS INC.**

By:   
Name: Howard Hochhauser  
Title: Chief Financial Officer and President

**ANCESTRY.COM INC.**

By:   
Name: Howard Hochhauser  
Title: Chief Financial Officer and President

**ANCESTRY.COM OPERATIONS INC.**

By:   
Name: Howard Hochhauser  
Title: Chief Financial Officer and President

## U.S. PATENT REGISTRATIONS AND APPLICATIONS

	Owner	Patent Title	App./Patent No.
1.	Ancestry.com Operations Inc.	SYSTEMS AND METHODS FOR DISPLAYING STATISTICAL INFORMATION ON A WEB PAGE	8375286
2.	Ancestry.com Operations Inc.	SYSTEMS AND METHODS FOR STORING AND RETRIEVING DATA IN A WEB SERVER ENVIRONMENT	7111144
3.	Ancestry.com Operations Inc.	SYSTEMS AND METHODS FOR PARTITIONING DATA ON MULTIPLE SERVERS	7392268
4.	Ancestry.com Operations Inc.	PROVIDING ALTERNATIVES WITHIN A FAMILY TREE SYSTEMS AND METHODS	8095567
5.	Ancestry.com Operations Inc.	CORRELATING GENEALOGY RECORDS SYSTEMS AND METHODS	7249129
6.	Ancestry.com Operations Inc.	ADAPTIVE CONTRAST CONTROL SYSTEMS AND METHODS	7724981
7.	Ancestry.com Operations Inc.	LOCAL INSTALLATION OF REMOTE SOFTWARE SYSTEMS AND METHODS	7908315
8.	Ancestry.com Operations Inc.	IMAGE WATERMARKING SYSTEMS AND METHODS	7756289
9.	Ancestry.com Operations Inc.	MULTIPLE IMAGE INPUT FOR OPTICAL CHARACTER RECOGNITION PROCESSING SYSTEMS AND METHODS	7734092
10.	Ancestry.com Operations Inc.	IMAGE QUALITY MONITORING AND TAGGING AT SCAN TIME	8446652
11.	Ancestry.com Operations Inc.	COMPUTER-ASSISTED IMAGE CROPPING FOR BOOK SCANS	7945116
12.	Ancestry.com Operations Inc.	USER INTERFACE METHODS AND SYSTEMS FOR IMAGE BRIGHTNESS AND CONTRAST	8073285
13.	Ancestry.com Operations Inc.	USER INTERFACE METHOD FOR SKEW CORRECTION	8249391
14.	Ancestry.com Operations Inc.	CORRELATING GENEALOGY RECORDS SYSTEMS AND METHODS	7870139
15.	Ancestry.com Operations Inc.	VISUALIZING, CREATING AND EDITING BLENDING MODES METHODS AND SYSTEMS	8370759
16.	Ancestry.com Operations Inc.	SYSTEMS AND METHODS FOR PARTITIONING DATA ON MULTIPLE SERVERS	8019719
17.	Ancestry.com Operations Inc.	DEVICES, SYSTEMS AND METHODS FOR TRANSCRIPTION SUGGESTIONS AND COMPLETIONS	8600152



	<b>Owner</b>	<b>Patent Title</b>	<b>App./Patent No.</b>
18.	Ancestry.com Operations Inc.	SYSTEMS AND METHODS FOR THE ORGANIZED DISTRIBUTION OF RELATED DATA	8224821
19.	Ancestry.com Operations Inc.	SYSTEMS AND METHODS FOR COMMUNICATION AMONG COLLABORATING USERS	8825705
20.	Ancestry.com Operations Inc.	POSITIONING OF NON- CONSTRAINED AMOUNT OF DATA IN SEMBLANCE OF A TREE	8185557
21.	Ancestry.com Operations Inc.	INTERACTIVE MODIFICATION OF SPACING CONSTRAINTS OF GENEALOGICAL CHARTS WITH LIVE FEEDBACK	12647767
22.	Ancestry.com Operations Inc.	AUTOMATIC PEDIGREE CORRECTIONS	12691571
23.	Ancestry.com Operations Inc.	CONSOLIDATED INFORMATION RETRIEVAL RESULTS	8140512
24.	Ancestry.com Operations Inc.	METHODS AND SYSTEMS FOR IMPLEMENTING ANCESTRAL RELATIONSHIP GRAPHICAL INTERFACE	9177266
25.	Ancestry.com Operations Inc.	ANCESTOR-TO-ANCESTOR RELATIONSHIP LINKING METHODS AND SYSTEMS	8786603
26.	Ancestry.com Operations Inc.	METHODS AND SYSTEMS FOR IDENTIFICATION AND TRANSCRIPTION OF INDIVIDUAL ANCESTRAL RECORDS AND FAMILY	8793574
27.	Ancestry.com Operations Inc.	MULTI-ANGLE AND MULTI- POSITION REPROGRAPHIC COPY STAND	8894027
28.	Ancestry.com Operations Inc.	DUAL SIDED MIRROR BOOK IMAGING DEVICES AND METHODS	8801201
29.	Ancestry.com Operations Inc.	COLLABORATIVE SYSTEMS AND METHODS FOR CONSTRUCTING REPRESENTATIONS OF DATA	8356023
30.	iArchives, Inc.	SYSTEM AND METHOD FOR CREATING A SEARCHABLE WORD INDEX OF A SCANNED DOCUMENT INCLUDING MULTIPLE INTERPRETATIONS OF A WORD AT A GIVEN DOCUMENT LOCATION	7240062
31.	Ancestry.com Operations Inc.	MULTI-PERPENDICULAR LINE- BASED DESKEW WITH AFFINE AND PERSPECTIVE DISTORTION CORRECTION	8731336
32.	Ancestry.com Operations Inc.	SYSTEM AND METHOD FOR CAPTURING RELEVANT INFORMATION FROM A PRINTED DOCUMENT	8687890
33.	Ancestry.com Operations Inc.	SYSTEM AND METHOD FOR EXTRACTING CATEGORIES OF DATA	8949110

	<b>Owner</b>	<b>Patent Title</b>	<b>App./Patent No.</b>
34.	Ancestry.com Operations Inc.	METHODS AND SYSTEM FOR DISPLAYING PEDIGREE CHARTS ON A TOUCH DEVICE	8769438
35.	Ancestry.com Operations Inc.	METHODS AND SYSTEMS FOR DISPLAYING BLENDED FAMILY GENEALOGICAL INFORMATION	8825709
36.	Ancestry.com Operations Inc.	PROVIDING ALTERNATIVES WITHIN A FAMILY TREE SYSTEMS AND METHODS	8768970
37.	Ancestry.com Operations Inc.	SYSTEM AND METHOD FOR ASSOCIATING A PHOTO WITH A DATA STRUCTURE NODE	8837787
38.	Ancestry.com Operations Inc.	SYSTEM AND METHOD FOR ORGANIZING DOCUMENTS	9030502
39.	Ancestry.com Operations Inc.	SYSTEM AND METHOD FOR ESTIMATING/DETERMINING THE DATE OF A PHOTO	9251394
40.	Ancestry.com Operations Inc.	SYSTEM AND METHOD FOR CREATING A FAMILY TREE DATA STRUCTURE	9330418
41.	Ancestry.com Operations Inc.	CONSOLIDATED INFORMATION RETRIEVAL RESULTS	8600980
42.	Ancestry.com Operations Inc.	SYSTEMS AND METHODS FOR THE ORGANIZED DISTRIBUTION OF RELATED DATA	13550800
43.	Ancestry.com Operations Inc.	AUTOMATED FIELD POSITION LINKING OF INDEXED DATA TO DIGITAL IMAGES	8824803
44.	Ancestry.com Operations Inc.	COLLABORATIVE SYSTEMS AND METHODS FOR CONSTRUCTING REPRESENTATIONS OF DATA	8938439
45.	Ancestry.com Operations Inc.	VISUALIZING, CREATING AND EDITING BLENDING MODES METHODS AND SYSTEMS	13733045
46.	Ancestry.com Operations Inc.	SYSTEMS AND METHODS FOR DISPLAYING STATISTICAL INFORMATION ON A WEB PAGE	9197525
47.	Ancestry.com Operations Inc.	GENEALOGY INVESTIGATION AND DOCUMENTATION SYSTEMS AND METHODS	13739569
48.	Ancestry.com Operations Inc.	DEVICES, SYSTEMS AND METHODS FOR TRANSCRIPTION SUGGESTIONS AND COMPLETIONS	8908971
49.	Ancestry.com Operations Inc.	SYSTEM AND METHOD FOR CAPTURING RELEVANT INFORMATION FROM A PRINTED DOCUMENT	9053362
50.	Ancestry.com Operations Inc.	SYSTEM AND METHOD FOR IDENTIFYING RELATIONSHIPS IN A DATA GRAPH	14457769
51.	Ancestry.com Operations Inc.	AUTOMATED FIELD POSITION LINKING OF INDEXED DATA TO DIGITAL IMAGES	9454545

	<b>Owner</b>	<b>Patent Title</b>	<b>App./Patent No.</b>
52.	Ancestry.com Operations Inc.	SYSTEM AND METHOD FOR TRANSCRIBING HISTORICAL RECORDS INTO DIGITIZED TEXT	14841502
53.	Ancestry.com Operations Inc.	SYSTEM AND METHOD FOR TRANSCRIBING HANDWRITTEN RECORDS USING WORD GROUPINGS BASED ON FEATURE VECTORS	14841519
54.	Ancestry.com Operations Inc.	SYSTEM AND METHOD FOR TRANSCRIBING HANDWRITTEN RECORDS USING WORD GROUPING WITH ASSIGNED CENTROIDS	14841542
55.	Ancestry.com Operations Inc.	SYSTEM AND METHOD FOR ESTIMATING/DETERMINING THE DATE OF A PHOTO	9400942
56.	Ancestry.com Operations Inc.	SYSTEM AND METHOD FOR CREATING A FAMILY TREE DATA STRUCTURE	15089090
57.	Ancestry.com DNA, LLC	METHOD FOR MOLECULAR GENEALOGICAL RESEARCH	7957907
58.	Ancestry.com DNA, LLC	METHOD AND SYSTEM FOR DISPLAYING GENETIC AND GENEALOGICAL DATA	8855935
59.	Ancestry.com DNA, LLC	FAMILY NETWORKS	9390225
60.	Ancestry.com DNA, LLC	IDENTIFYING ANCESTRAL RELATIONSHIPS USING A CONTINUOUS STREAM OF INPUT	14029765
61.	Ancestry.com DNA, LLC	METHOD FOR MOLECULAR GENEALOGICAL RESEARCH	8738297
62.	Ancestry.com DNA, LLC	METHOD AND SYSTEM FOR DISPLAYING GENETIC AND GENEALOGICAL DATA	14505066
63.	Ancestry.com DNA, LLC	HAPLOTYPE PHASING MODELS	PCTUS2015056164
64.	Ancestry.com DNA, LLC	REDUCING ERROR IN PREDICTED GENETIC RELATIONSHIPS	PCTUS2015055579
65.	Ancestry.com DNA, LLC	METHOD AND SYSTEM FOR DISPLAYING GENETIC AND GENEALOGICAL DATA	14826070
66.	AncestryHealth.Com, LLC	PREDICTING HEALTH OUTCOMES	PCTUS2015059618
67.	AdPay, Inc.	FACILITATING THE SALE OF AD ITEMS VIA THE INTERNET	7191147
68.	Ancestry.com Operations Inc.		62319299
69.	Ancestry.com Operations Inc.		62393276
70.	Ancestry.com Operations Inc.		62393849
71.	Ancestry.com DNA, LLC		14448721

	<b>Owner</b>	<b>Patent Title</b>	<b>App./Patent No.</b>
72.	Ancestry.com DNA, LLC		PCTUS2015056187
73.	Ancestry.com DNA, LLC		PCTIB2016053166
74.	Ancestry.com DNA, LLC		15168011
75.	Ancestry.com DNA, LLC		PCTIB2016054180
76.	Ancestry.com DNA, LLC		15209458
77.	Ancestry.com DNA, LLC		15203776
78.	Ancestry.com DNA, LLC		15182787