

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT8325680

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DEREK JOHN TOUB	10/11/2023
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	EXPERIAN INFORMATION SOLUTIONS, INC.
<b>Street Address:</b>	475 ANTON BLVD.
<b>City:</b>	COSTA MESA
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	92626
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	17703909
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(949)760-9502
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<b>ATTORNEY DOCKET NUMBER:</b>	EXP.988A
<b>NAME OF SUBMITTER:</b>	ANDREW LLOYD
<b>SIGNATURE:</b>	/Andrew Lloyd/
<b>DATE SIGNED:</b>	12/12/2023
This document serves as an Oath/Declaration (37 CFR 1.63).	
<b>Total Attachments: 4</b>	
source=2023-10-11 Executed Dec_Assign_Toub- EXP.988A(58397241.1)#page1.tif	
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**COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))***Application Data Sheet filed previously or concurrently*

Docket No.: EXP.988A

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Title: SYSTEMS AND METHODS FOR ENTITY RESOLUTION

Inventor: Derek John Toub

Appl. No.: 17/703909

Filing Date: March 24, 2022

***Declaration***

This Declaration is directed to the application identified above that:

Was filed **March 24, 2022**, as the U.S. Application No. **17/703909** identified above and incorporating any amendments made thereto prior to the signature date of this Declaration.

As a named inventor, I declare that:

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of subject matter which is described in the above-identified application, including without limitation a claimed invention.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

I have reviewed and understand the contents of the above-identified application, including without limitation the claims, as amended by any amendment.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

***Assignment from Inventor***

THIS ASSIGNMENT ("Assignment") is effective as of March 26, 2021, and is by **Derek John Toub**, an individual ("ASSIGNOR"), residing in **San Diego, California**, and having a mailing address of **475 Anton Blvd Costa Mesa, CA 92626**.

ASSIGNOR has conceived of one or more inventions, and/or has invented certain new and useful improvements, technology, inventions, developments, ideas, ornamental designs, or discoveries (collectively referred to as the "Invention") disclosed in the above-referenced patent application ("Application") which has been filed in the United States ("U.S.") Patent and Trademark Office on the date identified above with the application number and title as set forth above or will be filed in the U.S. Patent and Trademark Office, and has agreed to assign or is/was under an obligation to assign ASSIGNOR's rights in the Invention and Application to the below identified ASSIGNEE (defined below).

AND **Experian Information Solutions, Inc.**, having offices at **475 Anton Blvd Costa Mesa, CA 92626** ("ASSIGNEE"), desires to acquire and confirm the entire right, title, and interest in and to the Invention and the Application, as well as all related intellectual property rights as further set forth herein.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged and agreed, ASSIGNOR hereby acknowledges that ASSIGNOR has sold, assigned, transferred and set over, and/or by these presents ASSIGNOR does hereby assign, sell, transfer, and set over, to ASSIGNEE, its successors, legal representatives, and assigns, to the extent not already done so, the entire right, title, and interest throughout the world in and to the Application and the Invention, including

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without limitation all "Patent Properties" filed or issued upon the Application and the Invention; where "Patent Properties" include, but are not limited to:

A. The Invention whether conceived and/or reduced to practice by ASSIGNOR alone or jointly with anyone else;

B. Any improvements to the Invention based on or using ASSIGNEE's confidential information;

C. The Application, including without limitation any of ASSIGNOR'S inventions that may be disclosed therein, and any other applications in which the Invention is disclosed; all provisional applications relating to the Application or the Invention (including without limitation U.S. Provisional Application No(s). **63/166841**, filed **March 26, 2021** (respectively, if plural applications)); all nonprovisional and design applications relating to the Application or claiming the benefit of the Application and/or the aforementioned provisional application(s) that have been or may hereafter be filed in the U.S. or in any foreign country including without limitation all continuations, divisionals, and continuations-in-part of the Application (all of the foregoing collectively, "Related Applications"); and all U.S. and foreign patents which may be granted on the Application and the Related Applications, and all reissues, re-examinations, and extensions of such patents;

D. All rights of priority under International Conventions and any related letters Patent which may hereafter be granted or filed in any country or countries foreign to the U.S., all extensions, renewals and, reissues thereof;

E. Any other related intellectual property rights such as, but not limited to, copyright rights, copyrightable subject matter, know how, trade secrets, designs, design rights, copyright registrations, and reproduction rights, and ASSIGNOR waives any and all moral rights under 17 U.S.C. § 106A or otherwise; and

F. Those items of ASSIGNOR'S tangible property embodying or describing the Invention, including without limitation all documents, drawings, prototypes, models, test results, designs, materials, computer programs and data, and the like, which, if not presently in the possession of ASSIGNEE, will be delivered to ASSIGNEE immediately upon request.

AND ASSIGNOR DOES HEREBY acknowledge the ASSIGNEE as the Applicant for all Patent Properties, including without limitation the Invention, authorizes ASSIGNEE to make and/or file, at ASSIGNEE's sole discretion, any and all Patent Properties and related documents, and authorizes and requests the Commissioner of Patents of the U.S., and any official of any country or countries foreign to the U.S., whose duty it is, to issue any Patent Properties to the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument. ASSIGNOR hereby authorizes, the filing and execution of all rightful oaths and declarations, including without limitation any in connection with any Patent Properties before or after issuance.

AND ASSIGNOR DOES HEREBY assign, sell, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns, to the extent not already done so, all causes of action, rights of enforcement, claims for damages, and all remedies relating to the Patent Properties arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including without limitation the right to sue for, collect, and retain damages, and all proceeds for past infringements of the Patent Properties.

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AND ASSIGNOR DOES HEREBY covenant and agree that ASSIGNOR, without further consideration or compensation, will communicate to ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNOR respecting the Invention, the Application, and/or the Patent Properties, and testify in any legal proceeding, assist in the preparation of any Patent Properties, sign/execute all lawful papers, execute and make all rightful oaths and/or declarations in connection with any Patent Properties, and generally do everything possible to aid ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Patent Properties in all countries. ASSIGNEE agrees to reimburse ASSIGNOR'S reasonable expenses in carrying out ASSIGNOR'S obligations under this Assignment, but only upon ASSIGNEE'S prior written approval of such expenses which in no event shall include ASSIGNOR'S time or legal expense.

AND ASSIGNOR DOES HEREBY FURTHER acknowledge, covenant, and agree as follows:

A. This Assignment is binding on ASSIGNOR, ASSIGNOR'S officers, agents, employees, heirs, successors, assigns, affiliates, and those entities acting under ASSIGNOR'S direction and control, and shall inure to the benefit of ASSIGNEE, its successors and assigns. This Assignment, and the rights and obligations arising hereunder, are not assignable or transferable by ASSIGNOR, by operation of law or otherwise, and any attempt to do so shall be null and void. This Assignment is fully assignable by ASSIGNEE. The obligations set forth in this Assignment shall survive the term of any employment agreement or any other affiliation between the ASSIGNEE and ASSIGNOR.

B. The Application was authorized to be made by ASSIGNOR, and ASSIGNOR hereby authorizes ASSIGNEE to make, at ASSIGNEE's sole discretion, any and all additional Patent Properties, including without limitation application(s) that claim priority to the Application, including without limitation all Related Applications.

C. Some or all of ASSIGNOR's provided information may enter the public record of one or more patent offices (for example, mailing address, residence address, full legal name, and/or country of citizenship). ASSIGNOR hereby agrees to allow such information to be used in connection with the Application or Related Applications. Furthermore, ASSIGNEE's mailing address may be used even if ASSIGNOR is not an employee of ASSIGNEE, and ASSIGNOR may choose to inform ASSIGNEE of any changes to ASSIGNOR's provided information, including without limitation a preferred mailing address for receiving forwarded correspondence, if desired.

D. If ASSIGNOR cannot be located or is unable or unwilling to sign documents as required hereunder, ASSIGNOR does hereby appoint ASSIGNEE as ASSIGNOR'S attorney-in-fact for the limited purpose of executing all documents and performing all other acts necessary to give effect and legality to the provisions of this Assignment, and this appointment is coupled with an interest and is irrevocable.

E. This Assignment shall be governed and construed in accordance with the laws of the state of California, U.S. without regard to conflicts of law provisions. ASSIGNOR agrees that jurisdiction and venue are proper in the state or federal courts of California, in the county of Orange. In the event that any legal action becomes necessary to enforce or interpret the terms of this Assignment, the prevailing party shall be entitled, in addition to its court costs, to such reasonable attorneys' fees, expert witness fees and legal expenses as shall be fixed by a court of competent jurisdiction.

F. To the best of ASSIGNOR'S knowledge, the Invention is patentable and the original and current claims of the Patent Properties are valid. The assigned scope of the Application and the Invention includes any currently recited claims, all embodiments, and all claims supported by the Application. ASSIGNOR will not take any action, or assist any third party, or request any third party, in, challenging or opposing, on any grounds whatsoever: (i) ASSIGNEE'S rights granted under this Assignment, (ii) the validity or enforceability of such rights, or (iii) the validity of any issued patent claims resulting from or based on the Invention or Application,

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regardless of the scope of any such claims, including without limitation as a defense to patent infringement or in a post-issuance review by a governmental patent office (such as *inter partes* reviews or opposition proceedings). ASSIGNOR will not contest or disparage claim support (including without limitation in any later-filed Related Applications) for any claims deemed to be patentable by any governmental patent office. ASSIGNOR further acknowledges that ASSIGNEE'S patent counsel presenting this Assignment does not represent ASSIGNOR personally, and ASSIGNOR has the right to seek independent counsel of ASSIGNOR'S choosing, at ASSIGNOR'S cost. No course of conduct or dealing between the parties shall act as an amendment, modification, or waiver of any provision of this Assignment, and only an amendment, modification or waiver which is contained in a written agreement signed by both ASSIGNEE and ASSIGNOR shall be effective.

G. In the event that any term or provision of this Assignment conflicts with the law under which this Assignment is to be construed or if any such term or provision is declared to be invalid, illegal, ambiguous, or unenforceable, to the extent authorized under applicable law such provision shall be deemed to be restated or redacted to reflect as nearly as possible the original intention of this Assignment in accordance with applicable law, and the remainder of this Assignment shall remain in full force and effect.

IN TESTIMONY WHEREOF, I, **Derek John Toub**, set my hand and seal on the date indicated below.

Signature: /  / Date: 10 / 11 / 2023