PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4878778

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
ERIC HALLER	10/29/2009
KELLY KENT	10/29/2009

RECEIVING PARTY DATA

Name:	EXPERIAN INFORMATION SOLUTIONS, INC.	
Street Address:	475 ANTON BOULEVARD	
City:	COSTA MESA	
State/Country:	CALIFORNIA	
Postal Code:	92626	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15704289

CORRESPONDENCE DATA

Fax Number: (949)760-9502

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: 949-760-0404 Email: efiling@knobbe.com

Correspondent Name: KNOBBE, MARTENS, OLSON & BEAR LLP.

Address Line 1: 2040 MAIN STREET, 14TH FL. Address Line 4: **IRVINE, CALIFORNIA 92614**

ATTORNEY DOCKET NUMBER:	EXP2.288C3	
NAME OF SUBMITTER: NORA MARACHELIAN		
SIGNATURE: /Nora Marachelian/		
DATE SIGNED: 03/22/2018		

Total Attachments: 3

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PATENT REEL: 045315 FRAME: 0479 504832041

ASSIGNMENT AGREEMENT

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ASSIGNMENT AGREEMENT

THIS ASSIGNMENT AGREEMENT ("Agreement") is effective as of the 14th day of August, 2009 and is by Eric Haller a U.S. citizen, residing in Escondido, CA and having a mailing address at 475 Anton Boulevard, Costa Mesa, CA 92626, and Kelly Kent, a Canadian citizen, residing in Newport Beach, CA and having a mailing address at 475 Anton Boulevard, Costa Mesa, CA 92626 ("ASSIGNOR").

ASSIGNOR has conceived of an invention, and/or has invented new and useful improvements, ("Invention") disclosed in a patent application ("Application") filed in the United States Patent and Trademark Office on August 14, 2009, and assigned Application No. 12/541,835.

WHEREAS, Experian Information Solutions, Inc., a Ohio Corporation, having offices at 475 Anton Boulevard, 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, ASSIGNOR agrees to assign and does hereby assign, transfer, and set over to ASSIGNEE, its successors, legal representatives, and assigns, to the extent not already done so to ASSIGNEE, the entire right, title, and interest throughout the world in and to each of the following:

- The Invention, including without limitation any improvements thereto, whether conceived and/or reduced to practice by ASSIGNOR alone or jointly with anyone else;
- 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 (including U.S. Provisional Application No. 61/088,905, filed on August 14, 2008) and nonprovisional applications relating to the Application or claiming the benefit thereof that have been or may hereafter be filed in the United States or in any foreign country and all continuations, divisionals, and continuations in part of the Application (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.
- Any other related intellectual property rights such as, but not limited to, copyright rights, copyrightable subject matter, know how, trade secrets, design rights, copyright registrations, reproduction rights, and ASSIGNOR waives any and all moral rights under 17 U.S.C. § 106A or otherwise.
- 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.
- All causes of action for infringement of, all damages for, and all remedies for all rights related to the Invention, the Application, and/or the Related Applications, and all legal rights to enforce the same against third parties and to retain the entire proceeds therefrom, whether accruing before or after this Assignment.

ASSIGNOR AGREES, without further consideration or compensation, to communicate to ASSIGNEE, its successors, legal representatives, and assigns any facts of which ASSIGNOR has knowledge respecting the Invention, Application, or Related Applications; to assist in the preparation of

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any other applications relating to the invention, to testify in any legal proceeding; to sign all documents, make all rightful oaths and declarations; and to generally do everything possible to aid ASSIGNEE, its successors, legal representatives, and assigns in obtaining and enforcing patents for the Invention in all countries. ASSIGNEE agrees to reimburse ASSIGNOR'S reasonable expenses in carrying out his/her obligations under this Agreement, 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 FURTHER AGREES AS FOLLOWS:

- A. This Agreement is binding on ASSIGNOR, its officers, agents, employees, heirs, successors, assigns, affiliates, and those entities acting under its direction and control, and shall inure to the benefit of ASSIGNEE, its successors and assigns. This Agreement, 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 Agreement is fully assignable by ASSIGNEE. The obligations set forth in this Agreement shall survive the term of any employment agreement or any other affiliation between the ASSIGNEE and ASSIGNOR.
- B. If ASSIGNOR cannot be located or is unable or unwilling to sign documents as required hereunder, ASSIGNOR agrees to and 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 Agreement. ASSIGNOR acknowledges that this appointment is coupled with an interest and is irrevocable.
- C. This Agreement shall be governed and construed in accordance with the laws of the state of California, U.S.A. without regard to conflicts of law provisions. The exclusive jurisdiction for any legal proceeding regarding this Agreement shall be in the in the state or federal courts of California, in the county of Orange, and the parties expressly agree that jurisdiction and venue are proper in said courts. In the event that any legal action becomes necessary to enforce or interpret the terms of this Agreement, 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.
- D. ASSIGNOR acknowledges that, to the best of his or her knowledge, the Invention is patentable, and further agrees not to take any action, or to assist or request any third party, in, challenging or opposing, on any grounds whatsoever, ASSIGNEE'S rights granted under this Agreement, or the validity or enforceability of such rights. ASSIGNOR further acknowledges that ASSIGNEE'S patent counsel presenting this Agreement does not represent ASSIGNOR personally, and ASSIGNOR has the right to seek independent counsel of his or her choosing. No course of conduct or dealing between the parties shall act as an amendment, modification or waiver of any provision of this Agreement, and only an amendment, modification or waiver which is contained in a written agreement signed by both ASSIGNEE and ASSIGNOR shall be effective.

IN TESTIMONY Onlober, 2009.	WHEREOF, I	hereunto set my hand and seal this $\frac{2^{\frac{6}{7}}}{\sqrt{2}}$ day of
STATE OF California		ERIC HALLER
COUNTY OF O Carge	} ss.	

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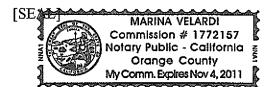
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On October 25, 25th before me, Wo one Velach, notary public, personally appeared Eric Haller who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument, and acknowledged to me that Eric Haller executed the same in Eric Haller's authorized capacity, and that by Eric Haller's signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Water Velcere:
Notary Signature

KELLY KENT

STATE OF California ss.

On Codobic 26, 2005, before me, Waring Velacel., notary public, personally appeared Kelly Kent who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument, and acknowledged to me that Kelly Kent executed the same in Kelly Kent's authorized capacity, and that by Kelly Kent's signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

[SEAL]

MARINA VELARDI
Commission # 1772157
Notary Public - California
Orange County
Ny Comm. Expires Nov 4, 2011

Notary Signature

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RECORDED: 03/22/2018