506287779 10/05/2020

PATENT ASSIGNMENT COVER SHEET

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 SUBMISSION TYPE:
 NEW ASSIGNMENT

 NATURE OF CONVEYANCE:
 ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHIENLAN HSU-HOFFMAN	04/08/2016
REGINA MADIGAN	02/25/2016
THOMAS MCKENNA	09/17/2013

RECEIVING PARTY DATA

Name:	ALLSTATE INSURANCE COMPANY
Street Address:	2775 SANDERS ROAD
City:	NORTHBROOK
State/Country:	ILLINOIS
Postal Code:	60062

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16294103

CORRESPONDENCE DATA

Fax Number: (202)824-3001

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: (312) 463-5000

Email: bwptopat@bannerwitcoff.com, cchambliss@bannerwitcoff.com

Correspondent Name: BANNER & WITCOFF, LTD.

Address Line 1: 1100 13TH ST. NW

Address Line 2: STE 1200

Address Line 4: WASHINGTON, D.C. 20005

ATTORNEY DOCKET NUMBER: 006591.02095

NAME OF SUBMITTER: XIN LI

SIGNATURE: /Xin Li/
DATE SIGNED: 10/05/2020

Total Attachments: 5

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PATENT 506287779 REEL: 053969 FRAME: 0486

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> PATENT REEL: 053969 FRAME: 0487

ASSIGNMENT

WHEREAS, I/we Chienlan Hsu-Hoffman, Regina Madigan, and Thomas McKenna (ASSIGNORS), am/are the inventors of certain inventions and improvements described in a U.S. patent application and having the title

SUBJECTIVE ROUTE RISK MAPPING AND MITIGATION

which application was

filed on February 2, 2016 and assigned Application No. 15/013,523; and

WHEREAS,

Allstate Insurance Company 2775 Sanders Road Suite A2 Northbrook, IL 60062

(ASSIGNEE) desires to acquire the entire right, title and interest in and to the said application, inventions and improvements and any patents that may be granted on or as a result thereof in the United States of America (U.S.) and in any and all foreign countries;

NOW, THEREFORE, for good and valuable consideration, receipt and sufficiency of which is hereby acknowledged,

I/we hereby assign, to the above named ASSIGNEE, its successors, assigns and legal representatives (NOMINEES) the entire right, title and interest in and to said application, inventions and improvements throughout the world and to any and all patents, petty patents and utility model patents which may be granted therefor, and all continuations, continuations-in-part, divisions, reissues, extensions, renewals, and any non-provisional based on a provisional thereof (LETTERS PATENT).

And I/we covenant that we have full right to convey the entire interest herein assigned, and that I have not executed and will not execute any agreement or do anything in conflict herewith;

And I/we further covenant and agree that I will without undue delay execute without further consideration all such papers as may be necessary to perfect the title to said application, inventions and improvements, and LETTERS PATENT in the ASSIGNEE or its NOMINEES, and I agree to communicate to said ASSIGNEE or its NOMINEES all known facts respecting said application, inventions, improvements, and LETTERS PATENT, to testify in any legal proceedings, to sign all lawful papers, and generally to do all things necessary to aid ASSIGNEE or its NOMINEES to obtain and enforce for their own benefit patent protection for said application, inventions and improvements in any and all countries, all at the expense, however, of the ASSIGNEE or its NOMINEES;

And I/we authorize the ASSIGNEE or its NOMINEES to file in my name or their own, as appropriate, application for LETTERS PATENT in any and all countries of the world, and we authorize and request the Commissioner of Patents and Trademarks of the United States, and any proper official of any country, to issue to said ASSIGNEE or its NOMINEES any and all LETTERS PATENT for said application, inventions and improvements, for their sole use, to the full end of the term for which such LETTERS PATENT may be granted;

And I/we hereby grant the attorneys at the law firm of Banner & Witcoff the power to insert into this document information sufficient to further identify the patent application to which this assignment pertains, including the filing date and assigned Application No.

4/8/16	Co
Date	Chienlan Hsu-Hoffman
Date	Regina Madigan
Date	Thomas McKenna

LAW OFFICES
BANNER & WITCOFF, LTD.
10 South Wacker Drive
Chicago, IL. 60606-7407
312-463-5000

ASSIGNMENT

WHEREAS, I/we Chienlan Hsu-Hoffman, Regina Madigan, and Thomas McKenna (ASSIGNORS), am/are the inventors of certain inventions and improvements described in a U.S. patent application and having the title

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which application was

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And I/we further covenant and agree that I will without undue delay execute without further consideration all such papers as may be necessary to perfect the title to said application, inventions and improvements, and LETTERS PATENT in the ASSIGNEE or its NOMINEES, and I agree to communicate to said ASSIGNEE or its NOMINEES all known facts respecting said application, inventions, improvements, and LETTERS PATENT, to testify in any legal proceedings, to sign all lawful papers, and generally to do all things necessary to aid ASSIGNEE or its NOMINEES to obtain and enforce for their own benefit patent protection for said application, inventions and improvements in any and all countries, all at the expense, however, of the ASSIGNEE or its NOMINEES;

And I/we authorize the ASSIGNEE or its NOMINEES to file in my name or their own, as appropriate, application for LETTERS PATENT in any and all countries of the world, and we authorize and request the Commissioner of Patents and Trademarks of the United States, and any proper official of any country, to issue to said ASSIGNEE or its NOMINEES any and all LETTERS PATENT for said application, inventions and improvements, for their sole use, to the full end of the term for which such LETTERS PATENT may be granted;

Page 1 of 2

Date	Chienlan Hsu-Hoffman
2/25/2016 Date	Regna Madigan Regina Madigan
 Date	Thomas McKenna

And I/we hereby grant the attorneys at the law firm of Banner & Witcoff the power to insert into

this document information sufficient to further identify the patent application to which this assignment

pertains, including the filing date and assigned Application No.

LAW OFFICES

BANNER & WITCOFF, LTD.

10 South Wacker Drive
Chicago, IL. 60606-7407
312-463-5000

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Allstate Intellectual Property Agreement.

For good and valuable consideration, the receipt and sufficiency of which I hereby acknowledge, including employment, employment offers and continued employment by Allstate Insurance Company, or any of its affiliates or subsidiaries (collectively, "Allstate") of me, I confirm that I previously agreed, and I hereby agree, to promptly disclose to Allstate any ideas, inventions, discoveries, developments, improvements, methods of doing business, processes, products, information, software and other copyrightable works, trademarks, service marks or trade secrets ("Developments") that are conceived, developed or reduced to practice by me, either solely or jointly with others, in part or in whole, at any point during my employment at Allstate, or with the use of any Allstate Resources whether or not they are patentable, capable of copyright or trademark registration or subject to trade secret protection ("Allstate Developments"). All Allstate Developments are and shall be the sole and exclusive property of Allstate either as a "work made for hire" under the copyright laws or under any other applicable laws or agreements. I confirm that I previously assigned and I hereby assign to Allstate all right, title and interest in and to all Allstate Developments, including all intellectual property rights (including but not limited to all patent, trademark, copyright and trade secret rights) with the exception noted in the flowing sentence. Notwithstanding the foregoing, I have not and I understand that I need not assign to Allstate any Development constituting an invention for which no equipment, supplies, facility, or confidential, proprietary, or trade secret information of Allstate ("Allstate Resources") was used, and that was developed entirely on my own time, unless: (a) such Development relates to Allstate's business or to Allstate's actual or anticipated research or development, or (b) the Development results from any work performed by me for Allstate.

I represent and warrant to Allstate that I will not disclose or use, any confidential, proprietary or trade secret information of Allstate, or its customers or suppliers, including but not limited to information that I am under an obligation of any kind to keep confidential or that I should reasonably know to be of value to Allstate, its customers or suppliers simply by virtue of its limited disclosure. I also represent and warrant that, should I no longer be in the employ of Allstate for any reason, I will not disclose or use any inventions of Allstate or its customers or any Allstate Developments in any future work I may undertake. I also appoint Allstate and Allstate's designee as my attorney with power to do all things necessary to carry out these obligations. I agree to take all actions reasonably requested of me to help Allstate perfect and maintain its ownership rights as assigned above.

I represent and warrant to Allstate that I have not brought, nor will I disclose or use, any confidential, proprietary or trade secret information of any prior employer, or its customers or suppliers, that I am under an obligation of any kind to keep confidential or that I should reasonably know to be of value to such third party simply by virtue of its limited disclose. I also represent and warrant that I will not disclose or use any inventions of a prior employer or its customers in my work for Allstate that Allstate is not otherwise entitled to learn of or use.

Questions

If you have any concerns or questions about this agreement, please contact HRComply@allstate.com.

NOTE - you are required to provide acknowledgement that you read and understand and accept the terms of this agreement by clicking the checkbox adjacent to the 'Employee Acknowledgement' prompt.

Employee Name

Thomas Michael McKenna

Employee Number:

00113399

Date:

09/17/2013

Employee Acknowledgement

I do not have any questions. I acknowledge I have read and understand this agreement and accept the terms and conditions stated herein.

CARRIE A MEDINA Official Seal Notary Public - State of Illinois My Commission Expires Feb 4, 2023 SANTANA MANGALAGIRI Msanjang

PATENT REEL: 053969 FRAME: 0492

RECORDED: 10/05/2020 1, 20