

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
WEIXIN WU	03/13/2018
PHILLIP SANGPIL MOON	03/14/2018
SCOTT FARRIS	03/27/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	STATE FARM MUTUAL AUTOMOBILE INSURANCE COMPANY
<b>Street Address:</b>	ONE STATE FARM PLAZA
<b>City:</b>	BLOOMINGTON
<b>State/Country:</b>	ILLINOIS
<b>Postal Code:</b>	61710
<b>PROPERTY NUMBERS Total: 9</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	62589444
Application Number:	62592975
Application Number:	62615286
Application Number:	62621784
Application Number:	62632679
Application Number:	62633859
Application Number:	15977618
Application Number:	15977677
Application Number:	15977703
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(312)474-0448
<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>	312-474-6300
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<b>Correspondent Name:</b>	MARSHALL, GERSTEIN & BORUN LLP
<b>Address Line 1:</b>	233 SOUTH WACKER DRIVE
<b>Address Line 2:</b>	6300 WILLIS TOWER
<b>Address Line 4:</b>	CHICAGO, ILLINOIS 60606

PATENT

<b>ATTORNEY DOCKET NUMBER:</b>	32060/52561P-P6; 52561A-C
<b>NAME OF SUBMITTER:</b>	MATTHEW R. CAREY
<b>SIGNATURE:</b>	/Matthew R. Carey/
<b>DATE SIGNED:</b>	06/19/2018
<b>Total Attachments: 6</b> source=Assignment with Schedule A#page1.tif source=Assignment with Schedule A#page2.tif source=Assignment with Schedule A#page3.tif source=Assignment with Schedule A#page4.tif source=Assignment with Schedule A#page5.tif source=Assignment with Schedule A#page6.tif	

## ASSIGNMENT

NOW, THEREFORE, for good, valuable and legally sufficient consideration for each Assignor, the receipt of which is hereby acknowledged by all Assignors, said Assignors have sold, assigned, transferred and set over, and as demonstrated by this Assignment do sell, assign, transfer and set over unto STATE FARM MUTUAL AUTOMOBILE INSURANCE COMPANY, One State Farm Plaza, Bloomington, Illinois 61710 and its successors and assigns ("Assignee"), the entire right, title and interest in and to the inventions of such undersigned disclosed in the applications listed in Schedule A, applications for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor or thereon, and in and to any and all related provisionals, nonprovisionals, divisionals, continuations and continuation-in-parts, etc. of any such application, or reissues, reexaminations, renewals and extensions of said Letters Patent or Patents; and the full right to claim for any such applications all benefits and priority rights under any applicable convention, treaty or legislation, and the right of Assignee to sue and obtain relief, including damages, profits and an injunction, for any infringement occurring before or after issuance of said Letters Patent or Patents; the same to be held and enjoyed for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the Assignors had this Assignment not been made.

Each of the undersigned states that each of the applications listed in Schedule A is or was made or authorized to be made by it. Each of the undersigned authorizes the attorneys of record in the applications listed in Schedule A to insert in this assignment the filing dates and application numbers of the applications listed in Schedule A when officially known. Each of the undersigned believes it to be the original inventor or a joint inventor with another undersigned of a claimed invention in each of the applications listed in Schedule A. The undersigned acknowledges that any willful false statement made by it in this paragraph is punishable under 18 U.S.C. §1001 by fine or imprisonment of not more than five years, or both.

Except in favor of Assignee, each of the undersigned warrants that: (i) it is the owner of all its rights, titles and interests herein assigned and has the right to make this unconditional and irrevocable assignment to Assignee without obtaining any approval or permission of a third party; and (ii) there are no outstanding encumbrances, liens, prior assignments, licenses, or other obligations or restrictions on the rights, titles and interests herein assigned. The undersigned authorized the applications listed in Schedule A to be made.

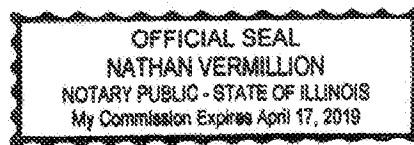
Upon the request of Assignee and at no expense to the undersigned, each of the undersigned hereby agrees to execute any and all applications on said inventions, including without limitation for the reissue, reexamination, supplementary protection certificate or extension thereof and any oath, declaration or affidavit relating thereto that said Assignee may deem necessary or expedient, and to cooperate to the best of the ability of the undersigned with and perform any and all affirmative acts requested by Assignee to prepare, file, prosecute, maintain, defend, enforce and vest in Assignee the rights, titles and interests assigned herein, including without limitation, preparing and executing statements and giving and producing evidence in support thereof, whereby said rights, titles and interests will be held and enjoyed by said Assignee to the full end of the term for which said patents may be granted as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made.

ASSIGNOR Weixin Wu with my hand this 13<sup>th</sup> day of March, 2018.  
Weixin Wu

State of Illinois  
County of McLean

On this 13 day of March, 2018, before me, a Notary Public in and for the County and State aforesaid, appeared Assignor, known to me personally or proved to me on the basis of satisfactory evidence to be the same person who appeared before me, and acknowledged that they executed said instrument as their free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the same day and year last above given. My commission expires: 4/17/19



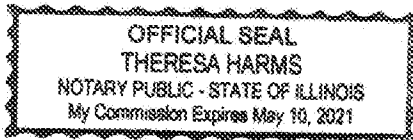
Nathan Vermillion  
Notary Public Signature

ASSIGNOR Phillip Sangpil Moon with my hand this 14<sup>th</sup> day of March, 2018.

State of Illinois  
County of McLean

On this 14<sup>th</sup> day of March, 2018, before me, a Notary Public in and for the County and State aforesaid, appeared Assignor, known to me personally or proved to me on the basis of satisfactory evidence to be the same person who appeared before me, and acknowledged that they executed said instrument as their free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the same day and year last above given. My commission expires: May 10, 2021



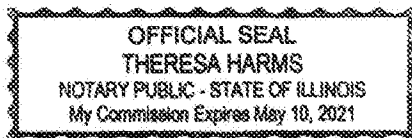
Theresa Harms  
Notary Public Signature

ASSIGNOR W Scott Farris with my hand this 27 day of March, 2018.  
Scott Farris

State of Illinois  
County of McLean

On this 27 day of March, 2018, before me, a Notary Public in and for the County and State aforesaid, appeared Assignor, known to me personally or proved to me on the basis of satisfactory evidence to be the same person who appeared before me, and acknowledged that they executed said instrument as their free and voluntary act and for the uses and purposes therein expressed.

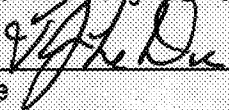
WITNESS my hand and seal the same day and year last above given. My commission expires: May 10, 2021



Theresa Harms  
Notary Public Signature

On behalf of the Assignee, Timothy Le Duc, Counsel, State Farm Mutual Automobile Insurance Company,  
Name Title

hereby confirms Assignee's acceptance of all rights, privileges, titles and interests conveyed by this assignment.

Signature  Date 5/9/2018

# ASSIGNMENT

## SCHEDULE A

Application No.	Filing Date	Title	Docket Number
62/589,444	11/21/2017	TECHNOLOGY FOR BUILDING AND MANAGING DATA MODELS	32060/52561P
62/592,975	11/30/2017	TECHNOLOGY FOR BUILDING AND MANAGING DATA MODELS	32060/52561P2
62/615,286	1/9/2018	TECHNOLOGY FOR BUILDING AND MANAGING DATA MODELS	32060/52561P3
62/621,784	1/25/2018	TECHNOLOGY FOR BUILDING AND MANAGING DATA MODELS	32060/52561P4
62/632,679	02/20/2018	TECHNOLOGY FOR BUILDING AND MANAGING DATA MODELS	32060/52561P5
62/633,859	02/22/2018	TECHNOLOGY FOR BUILDING AND MANAGING DATA MODELS	32060/52561P6
15/977,618	05/11/2018	TECHNOLOGY FOR BUILDING AND MANAGING DATA MODELS	32060/52561A
15/977,677	05/11/2018	TECHNOLOGY FOR BUILDING AND MANAGING DATA MODELS	32060/52561B
15/977,703	05/11/2018	TECHNOLOGY FOR BUILDING AND MANAGING DATA MODELS	32060/52561C