

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT6162584

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

**CONVEYING PARTY DATA**

Name	Execution Date
JEFFREY W. STOIBER	09/06/2016
RAJIV SHAH	09/28/2016
ERIN OLANDER	08/17/2016
MICHAEL S. JACOB	08/10/2016
SUNISH MENON	08/10/2016
PHILLIP SANGPIL MOON	08/10/2016
JEFFREY G. KINSEY	08/11/2016
JEFFREY D. HEVRIN	08/18/2016
LUCAS ALLEN	08/18/2016
JAMES DYKEMAN	08/30/2016
ELLAKATE LEFEBRE	08/31/2016
SRIPRIYA SUNDARARAMAN	09/09/2016

**RECEIVING PARTY DATA**

<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

**PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16906408

**CORRESPONDENCE DATA**

Fax Number: (317)237-1000

*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: 317-237-0300

Email: inteas@faegredrinker.com

Correspondent Name: WALTER C. LINDER

Address Line 1: 300 NORTH MERIDIAN STREET, SUITE 2500

Address Line 4: INDIANAPOLIS, INDIANA 46204

**PATENT**

<b>ATTORNEY DOCKET NUMBER:</b>	SF-47964-US2-CON2
<b>NAME OF SUBMITTER:</b>	WALTER C. LINDER
<b>SIGNATURE:</b>	/walter c. linder/
<b>DATE SIGNED:</b>	06/19/2020

**Total Attachments: 33**

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## ASSIGNMENT

**Title: IDENTIFYING PROPERTY USAGE TYPE BASED ON SMART SENSOR**

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 above-mentioned inventions, applications for Letters Patent, (including those listed in Schedule A attached) 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 the Provisional and Non-provisional Applications listed in the attached 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 date and application number 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 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.

WITNESS *J Stoiber* with my hand this 6<sup>th</sup> day of September, 2016  
Jeffrey W. Stoiber

State of Georgia  
County of DeKalb

On this 6<sup>th</sup> day of September, 2016, before me, a Notary Public in and for the County and State aforesaid, appeared Assignor Jeffrey W. Stoiber, 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 he/she executed said instrument as his/her 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: 12/26/16  
*Casey N Martin*  
Notary Public



WITNESS \_\_\_\_\_ with my hand this \_\_\_\_\_ day of \_\_\_\_\_,

**Rajiv Shah**

State of \_\_\_\_\_

County of \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 2016, before me, a Notary Public in and for the County and State aforesaid, appeared Assignor **Rajiv Shah**, 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 he/she executed said instrument as his/her 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: \_\_\_\_\_

\_\_\_\_\_  
Notary Public

WITNESS \_\_\_\_\_ with my hand this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

**Michael S. Jacob**

State of \_\_\_\_\_

County of \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 2016, before me, a Notary Public in and for the County and State aforesaid, appeared Assignor **Michael S. Jacob**, 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 he/she executed said instrument as his/her 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: \_\_\_\_\_

\_\_\_\_\_  
Notary Public

WITNESS \_\_\_\_\_ with my hand this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.  
**Jeffrey G. Kinsey**

State of \_\_\_\_\_  
County of \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 2016, before me, a Notary Public in and for the County and State aforesaid, appeared Assignor **Jeffrey G. Kinsey**, 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 he/she executed said instrument as his/her 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: \_\_\_\_\_

\_\_\_\_\_  
Notary Public

WITNESS \_\_\_\_\_ with my hand this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.  
**James Dykeman**

State of \_\_\_\_\_  
County of \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 2016, before me, a Notary Public in and for the County and State aforesaid, appeared Assignor **James Dykeman**, 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 he/she executed said instrument as his/her 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: \_\_\_\_\_

\_\_\_\_\_  
Notary Public



WITNESS \_\_\_\_\_ with my hand this \_\_\_\_\_ day of \_\_\_\_\_.

**Phillip Sangpil Moon**

State of \_\_\_\_\_

County of \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 2016, before me, a Notary Public in and for the County and State aforesaid, appeared Assignor **Phillip Sangpil Moon**, 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 he/she executed said instrument as his/her 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: \_\_\_\_\_

\_\_\_\_\_  
Notary Public

WITNESS \_\_\_\_\_ with my hand this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.  
**Sunish Menon**

State of \_\_\_\_\_  
County of \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 2016, before me, a Notary Public in and for the County and State aforesaid, appeared Assignor **Sunish Menon**, 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 he/she executed said instrument as his/her 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: \_\_\_\_\_

\_\_\_\_\_  
Notary Public

WITNESS \_\_\_\_\_ with my hand this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.  
**Ellakate Wagner**

State of \_\_\_\_\_  
County of \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 2016, before me, a Notary Public in and for the County and State aforesaid, appeared Assignor **Ellakate Wagner**, 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 he/she executed said instrument as his/her 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: \_\_\_\_\_

\_\_\_\_\_  
Notary Public

WITNESS \_\_\_\_\_ with my hand this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.  
**Erin Olander**

State of \_\_\_\_\_  
County of \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 2016, before me, a Notary Public in and for the County and State aforesaid, appeared Assignor **Erin Olander**, 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 he/she executed said instrument as his/her 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: \_\_\_\_\_

\_\_\_\_\_  
Notary Public

WITNESS \_\_\_\_\_ with my hand this \_\_\_\_\_ day of \_\_\_\_\_,  
**Lucas Allen**

State of \_\_\_\_\_  
County of \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 2016, before me, a Notary Public in and for the County and State aforesaid, appeared Assignor **Lucas Allen**, 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 he/she executed said instrument as his/her 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:

\_\_\_\_\_

\_\_\_\_\_  
Notary Public

WITNESS \_\_\_\_\_ with my hand this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.  
**Jeffrey D. Hevrin**

State of \_\_\_\_\_  
County of \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 2016, before me, a Notary Public in and for the County and State aforesaid, appeared Assignor **Jeffrey D. Hevrin**, 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 he/she executed said instrument as his/her 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: \_\_\_\_\_

\_\_\_\_\_  
Notary Public

WITNESS \_\_\_\_\_ with my hand this \_\_\_\_\_ day of \_\_\_\_\_,  
**Sripriya Sundararaman**

State of \_\_\_\_\_  
County of \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 2016, before me, a Notary Public in and for the County and State aforesaid, appeared Assignor **Sripriya Sundararaman**, 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 he/she executed said instrument as his/her 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: \_\_\_\_\_

\_\_\_\_\_  
Notary Public

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

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

Timothy Le Duc  
Signature

9/20/2016  
Date



ASSIGNMENT

Schedule A

Application Number	Filing Date	Title	Docket Number
62/278,651	01/14/2016	IDENTIFYING PROPERTY USAGE TYPE BASED ON SMART SENSOR DATA	47964--P1
62/357,667	7/1/2016	IDENTIFYING PROPERTY USAGE TYPE BASED ON SMART SENSOR DATA	47964-P2
		IDENTIFYING PROPERTY USAGE TYPE BASED ON SMART SENSOR DATA	47964-US1
		IDENTIFYING PROPERTY USAGE TYPE BASED ON SMART SENSOR DATA	47964-US2

## ASSIGNMENT

Title: IDENTIFYING PROPERTY USAGE TYPE BASED ON SMART SENSOR DATA

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 mentioned, and the patent applications for Letters Patent listed, in Schedule A (attached) 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 the Provisional and Non-provisional Applications listed in the attached 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 date and application number 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 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.

WITNESS [Signature] with my hand this 28 day of Sept, 2016  
Rajiv Shah

State of Illinois  
County of McLean

On this 28 day of September, 2016, before me, a Notary Public in and for the County and State aforesaid, appeared Assignor Rajiv Shah, 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 he/she executed said instrument as his/her 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  
[Signature]  
Notary Public

**OFFICIAL SEAL**  
**NATHAN VERMILLION**  
**NOTARY PUBLIC - STATE OF ILLINOIS**  
**My Commission Expires April 17, 2019**

On behalf of the Assignee, Timothy Le Duc, Counsel, Intellectual Property & Innovation, State Farm Mutual Automobile Insurance Company,

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

[Signature] 9/28/2016  
Signature Date

Schedule - A

Docket No.	Filing No.	Filing Date	Title
HW47964-PRO1	62/278,651	1/14/2016	Identifying Property Usage Type Based Upon Smart Sensor Data
HW47964-PRO2	62/357,667	7/1/2016	Identifying Property Usage Type Based Upon Smart Sensor Data
HW47964-NP1			Identifying Property Usage Type Based Upon Smart Sensor Data
HW47964-NP2			Identifying Property Usage Type Based Upon Smart Sensor Data

## ASSIGNMENT

**Title: IDENTIFYING PROPERTY USAGE TYPE BASED ON SMART SENSOR**

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 above-mentioned inventions, applications for Letters Patent, (including those listed in Schedule A attached) 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 the Provisional and Non-provisional Applications listed in the attached 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 date and application number 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 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.

WITNESS *Erin Olander* with my hand this 17 day of Aug, 2016.

State of Illinois  
County of McLean

On this 17 day of August, 2016, before me, a Notary Public in and for the County and State aforesaid, appeared Assignor Erin Olander, 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 he/she executed said instrument as his/her 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

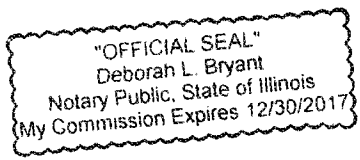
*Nathan Vermillion*  
Notary Public

OFFICIAL SEAL  
NATHAN VERMILLION  
NOTARY PUBLIC - STATE OF ILLINOIS  
My Commission Expires April 17, 2019


WITNESS Michael S. Jacob with my hand this 10 day of AUGUST, 2016.  
State of Illinois  
County of McLean

On this 10 day of August, 2016, before me, a Notary Public in and for the County and State aforesaid, appeared Assignor Michael S. Jacob, 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 he/she executed said instrument as his/her 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: 12/30/17

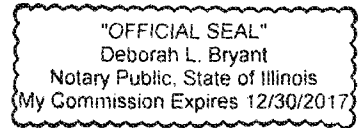


Deborah L. Bryant  
Notary Public

WITNESS  with my hand this 10 day of Aug. 2016.  
Sunish Menon  
State of Illinois  
County of McLean

On this 10 day of August, 2016, before me, a Notary Public in and for the County and State aforesaid, appeared Assignor Sunish Menon, 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 he/she executed said instrument as his/her 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: 12/30/17



Deborah L Bryant  
Notary Public



WITNESS *[Signature]* with my hand this 10<sup>th</sup> day of August, 2016.

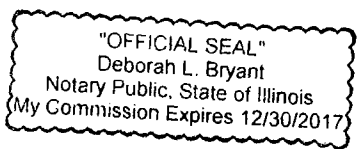
Phillip Sangpil Moon

State of Illinois  
County of McLean

On this 10 day of August, 2016, before me, a Notary Public in and for the County and State aforesaid, appeared Assignor **Phillip Sangpil Moon**, 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 he/she executed said instrument as his/her 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: 12/30/17

*Deborah L Bryant*  
Notary Public



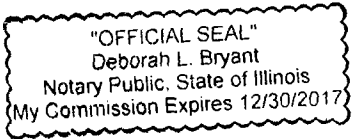
WITNESS *[Signature]* with my hand this \_\_\_\_\_ day of August 11, 2016.

Jeffrey G. Kinsey

State of Illinois  
County of McLean

On this 11 day of August, 2016, before me, a Notary Public in and for the County and State aforesaid, appeared Assignor Jeffrey G. Kinsey, 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 he/she executed said instrument as his/her 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: 12/30/17



*Deborah R Bryant*  
Notary Public

WITNESS *Jeffrey D. Hevrin* with my hand this 18<sup>th</sup> day of August, 2016.  
Jeffrey D. Hevrin

State of Illinois  
County of McLean

On this 18 day of August, 2016, before me, a Notary Public in and for the County and State aforesaid, appeared Assignor Jeffrey D. Hevrin, 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 he/she executed said instrument as his/her 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: 7/17/19  
*Nathan Vermillion*  
Notary Public

**OFFICIAL SEAL**  
**NATHAN VERMILLION**  
**NOTARY PUBLIC - STATE OF ILLINOIS**  
**My Commission Expires April 17, 2019**

WITNESS *Lucas Allen* with my hand this 18<sup>th</sup> day of August, 2016.

Lucas Allen

State of Illinois  
County of McLean

On this 18 day of August, 2016, before me, a Notary Public in and for the County and State aforesaid, appeared Assignor Lucas Allen, 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 he/she executed said instrument as his/her free and voluntary act and for the uses and purposes therein expressed.

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

*Nathan Vermillion*

Notary Public

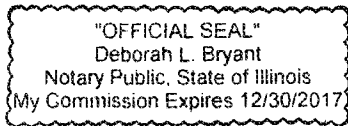
OFFICIAL SEAL  
NATHAN VERMILLION  
NOTARY PUBLIC - STATE OF ILLINOIS  
My Commission Expires April 17, 2019

WITNESS James Dykeman with my hand this 30<sup>th</sup> day of August, 2016.  
James Dykeman

State of Illinois  
County of McLean

On this 30 day of August, 2016, before me, a Notary Public in and for the County and State aforesaid, appeared Assignor James Dykeman, 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 he/she executed said instrument as his/her 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: 12/30/17



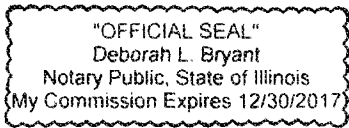
Deborah L Bryant  
Notary Public

WITNESS Ellakate LeFebre with my hand this 31 day of August, 2016.  
Ellakate LeFebre

State of Illinois  
County of McLean

On this 31 day of August, 2016, before me, a Notary Public in and for the County and State aforesaid, appeared Assignor Ellakate LeFebre, 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 he/she executed said instrument as his/her 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: 12/30/17



Deborah L Bryant  
Notary Public

WITNESS \_\_\_\_\_ with my hand this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.  
**Jeffrey W. Stoiber**

State of \_\_\_\_\_  
County of \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 2016, before me, a Notary Public in and for the County and State aforesaid, appeared Assignor **Jeffrey W. Stoiber**, 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 he/she executed said instrument as his/her 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: \_\_\_\_\_

\_\_\_\_\_  
Notary Public

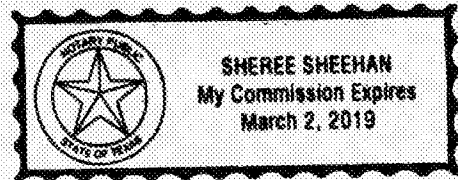
WITNESS [Signature] with my hand this 9<sup>th</sup> day of September, 2016  
Sripriya Sundararaman

State of Texas  
County of Waller

On this 9<sup>th</sup> day of September, 2016, before me, a Notary Public in and for the County and State aforesaid, appeared Assignor **Sripriya Sundararaman**, 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 he/she executed said instrument as his/her 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: 3-2-2019

[Signature]  
Notary Public





WITNESS \_\_\_\_\_ with my hand this \_\_\_\_\_ day of \_\_\_\_\_,  
**Rajiv Shah**

State of \_\_\_\_\_  
County of \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 2016, before me, a Notary Public in and for the County and State aforesaid, appeared Assignor **Rajiv Shah**, 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 he/she executed said instrument as his/her 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: \_\_\_\_\_

\_\_\_\_\_  
Notary Public

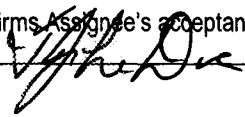
On behalf of the Assignee, Timothy Le Duc, Counsel, Intellectual Property & Innovation, State Farm Mutual Automobile Insurance Company,

Name

Title

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

Signature



9/20/2016

Date

ASSIGNMENT

Schedule A

Application Number	Filing Date	Title	Docket Number
62/278,651	01/14/2016	IDENTIFYING PROPERTY USAGE TYPE BASED ON SMART SENSOR DATA	47964--P1
62/357,667	7/1/2016	IDENTIFYING PROPERTY USAGE TYPE BASED ON SMART SENSOR DATA	47964-P2
		IDENTIFYING PROPERTY USAGE TYPE BASED ON SMART SENSOR DATA	47964-US1
		IDENTIFYING PROPERTY USAGE TYPE BASED ON SMART SENSOR DATA	47964-US2