506115860 06/19/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6162584

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	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

Name:	STATE FARM MUTUAL AUTOMOBILE INSURANCE COMPANY
Street Address:	ONE STATE FARM PLAZA
City:	BLOOMINGTON
State/Country:	ILLINOIS
Postal Code:	61710

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16906408

CORRESPONDENCE DATA

(317)237-1000 Fax Number:

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

300 NORTH MERIDIAN STREET, SUITE 2500 Address Line 1:

Address Line 4: INDIANAPOLIS, INDIANA 46204

PATENT -

REEL: 052987 FRAME: 0538 506115860

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

Total Attachments: 33

source=20200619 SF-47964-US2-CON2_Assignment#page1.tif source=20200619 SF-47964-US2-CON2 Assignment#page2.tif source=20200619 SF-47964-US2-CON2 Assignment#page3.tif source=20200619_SF-47964-US2-CON2_Assignment#page4.tif source=20200619_SF-47964-US2-CON2_Assignment#page5.tif source=20200619 SF-47964-US2-CON2 Assignment#page6.tif source=20200619 SF-47964-US2-CON2 Assignment#page7.tif source=20200619_SF-47964-US2-CON2_Assignment#page8.tif source=20200619 SF-47964-US2-CON2 Assignment#page9.tif source=20200619 SF-47964-US2-CON2 Assignment#page10.tif source=20200619 SF-47964-US2-CON2 Assignment#page11.tif source=20200619_SF-47964-US2-CON2_Assignment#page12.tif source=20200619 SF-47964-US2-CON2 Assignment#page13.tif source=20200619 SF-47964-US2-CON2 Assignment#page14.tif source=20200619 SF-47964-US2-CON2 Assignment#page15.tif source=20200619_SF-47964-US2-CON2_Assignment#page16.tif source=20200619 SF-47964-US2-CON2 Assignment#page17.tif source=20200619 SF-47964-US2-CON2 Assignment#page18.tif source=20200619 SF-47964-US2-CON2 Assignment#page19.tif source=20200619 SF-47964-US2-CON2 Assignment#page20.tif source=20200619_SF-47964-US2-CON2_Assignment#page21.tif source=20200619 SF-47964-US2-CON2 Assignment#page22.tif source=20200619 SF-47964-US2-CON2 Assignment#page23.tif source=20200619 SF-47964-US2-CON2 Assignment#page24.tif source=20200619_SF-47964-US2-CON2_Assignment#page25.tif source=20200619_SF-47964-US2-CON2_Assignment#page26.tif source=20200619 SF-47964-US2-CON2 Assignment#page27.tif source=20200619 SF-47964-US2-CON2 Assignment#page28.tif source=20200619_SF-47964-US2-CON2_Assignment#page29.tif source=20200619 SF-47964-US2-CON2 Assignment#page30.tif source=20200619 SF-47964-US2-CON2 Assignment#page31.tif source=20200619 SF-47964-US2-CON2 Assignment#page32.tif source=20200619_SF-47964-US2-CON2_Assignment#page33.tif

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 DEORLE with my hand this 6 day of September, 2	016
State of Curgia County of Devalu	
On this Lith day of September, 2016, before me, a Notary Public in and for the Couraforesaid, appeared Assignor Jeffrey W. Stoiber, known to me personally or proved to me on the basis of satisfacto be the same person who appeared before me, and acknowledged that he/she executed said instrument as his	ctory evidence
voluntary act and for the uses and purposes therein expressed. WITNESS my hand and seal the same day and year last above given. My compaission expires: 12-1 Notary Public	26/16 hu
CASEY N MARTIN Notary Public Gwinnett County State of Georgia My Commission Expires De	

REEL: 052987 FRAME: 0541

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
	, known to me personally or proved to me on the basis of satisfactory evidence to be
voluntary act and for the uses and purpose	me, and acknowledged that he/she executed said instrument as his/her free and es 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
	cob, known to me personally or proved to me on the basis of satisfactory evidence eme, and acknowledged that he/she executed said instrument as his/her free and
voluntary act and for the uses and purposes	
WITNESS my hand and seal the sa	me 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	
aforesaid, appeared Assignor Jeffrey G.	, 2016, before me, a Notary Public in and for the County and State Kinsey, known to me personally or proved to me on the basis of satisfactory evidence fore me, and acknowledged that he/she executed said instrument as his/her free and ses therein expressed.
WITNESS my hand and seal the	e 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	-
aforesaid, appeared Assignor James Dykem	, 2016, before me, a Notary Public in and for the County and State an, known to me personally or proved to me on the basis of satisfactory evidence me, and acknowledged that he/she executed said instrument as his/her free and herein expressed.
WITNESS my hand and seal the sar	me 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 Sangpi	I Moon, known to me personally or proved to me on the basis of satisfactory
evidence to be the same person who appeare free and voluntary act and for the uses and pur	d before me, and acknowledged that he/she executed said instrument as his/her poses therein expressed.
•	•
WITNESS my hand and seal the sam	e day and year last above given. My commission expires:
	Notary Public

WITNESS	with my hand this day of,,
Sunish Menon	·
State of	_
County of	_
aforesaid, appeared Assignor Sunish Menor	, 2016, before me, a Notary Public in and for the County and State n, known to me personally or proved to me on the basis of satisfactory evidence to me, and acknowledged that he/she executed said instrument as his/her free and herein expressed.
WITNESS my hand and seal the sar	me day and year last above given. My commission expires:
	Notary Public

	WITNESS	with my hand this day of,,
	Ellakate Wagner	·
State of		_
County o	f	_
oforosoio		, 2016, before me, a Notary Public in and for the County and State
to be the same person who appeared before voluntary act and for the uses and purposes	same person who appeared before	ner, known to me personally or proved to me on the basis of satisfactory evidence me, and acknowledged that he/she executed said instrument as his/her free and herein expressed.
	me 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 aforesaid, appeared Assignor Erin Oland the same person who appeared before voluntary act and for the uses and purpos	e me, and acknowledged that he	oved to me on th	e basis of satisfact	ory evidence to be
WITNESS my hand and seal the	e same day and year last above g	iven. My commi	ssion expires:	
				
			Notary Public	

WITNESS	with my hand this day of,
Lucas Allen	
State of	-
County of	-
aforesaid, appeared Assignor Lucas Allen, k	, 2016, before me, a Notary Public in and for the County and State mown to me personally or proved to me on the basis of satisfactory evidence to be and acknowledged that he/she executed said instrument as his/her free and herein expressed.
WITNESS my hand and se	eal 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 aforesaid, appeared Assignor Jeffrey D. Hevrin, known to be the same person who appeared before me, a voluntary act and for the uses and purposes therein or the uses are the use of the uses and purposes therein or the uses and purposes therein or the uses are the use of the uses and purposes therein or the uses are the use of	own to me personally or p nd acknowledged that he/s	
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 a	nd for the County	and State
aforesaid, appeared Assignor Sripriya Sundarar	raman, known to me persor	nally or proved to m	e on the basis of	satisfactory
evidence to be the same person who appeared b free and voluntary act and for the uses and purpos		ed that he/she execu	ted said instrumen	it as his/her
rice and voluntary act and for the uses and purpos	ses merem expressed.			
WITNESS my hand and seal the same d	ay and year last above giver	n. My commission e	xpires:	
		Not	ary Public	

On behalf of the Assignee, Timothy Le Du	ic, Counsel, Intellectual Property & Inn	novation, State Farm Mutual Automobile Insurance
Company,	Name	Title
herby confirms Assignee's acceptance of Signature	all rights, privileges, titles and interest	s conveyed by this assignment.
Signature	Date	_

ASSIGNMENT

Schedule A

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

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 with my hand this 28 day of Sept , 2011 State of Illinois County of McLean
On this 28 day of Schredon, 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
OFFICIAL SEAL NATHAN VERMILLION NOTARY PUBLIC - STATE OF ILLINOIS My Commission Expires Acril 17, 2019
On behalf of the Assignee, <u>Timothy Le Duc</u> , <u>Counsel</u> , <u>Intellectual Property & Innovation</u> , <u>State Farm Mutual Automobile Insurance Company</u> ,
Name Title herby confirms Assignee's acceptance of all rights, privileges, titles and interests conveyed by this assignment.
Signature 9/28/2016 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 with my hand this day State of Illinois	of Ayet, a	296
County of Mcles 1		
On this 17 day of August, 2016, before me, a No aforesaid, appeared Assignor Erin Olander, known to me personally or proved to the same person who appeared before me, and acknowledged that he/she evoluntary act and for the uses and purposes therein expressed.	me on the basis of sati executed said instrume	sfactory evidence to be nt as his/her free and
WITNESS my hand and seal the same day and year last above given. M	ly commission expires:	4111/19
OFFICIAL SEAL NATHAN VERMILLION NOTARY PUBLIC - STATE OF BLUNOIS My Commission Expires April 17, 2019	Notary Pul	blic

WITNESS	with my hand this 10 day of Aug., 2016.
, Sunish Menon	
State of <u>Ulinois</u>	
County of Mclean	
aforesaid, appeared Assignor Sunish Menon , known to be the same person who appeared before me, and ac voluntary act and for the uses and purposes therein expressions.	•
WITNESS my hand and seal the same day and	year last above given. My commission expires: 12/30/17
WITHLOO My hand and seal the same day and	year last above given. My commission expires.
"OFFICIAL SEAL" Deborah L. Bryant Notary Public, State of Illinois My Gommission Expires 12/30/2017	Notary Public

WITNESS with my hand this 10th day of August, 2016.
State of TILLOGIS County of Male and
On this O day of Accepted, 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: 12/20/17
"OFFICIAL SEAL" Deborah L. Bryant Notary Public, State of Illinois My Gommission Expires 12/30/2017

State of Tilinois County of McLean	with my hand this day of
aforesaid, appeared Assignor Jeffrey G/Kinsey , known to be the same person who appeared before me, and a voluntary act and for the uses and purposes therein expr	
WITNESS my hand and seal the same day and	d year last above given. My commission expires: 12/30(17
"OFFICIAL SEAL" Deborah L. Bryant Notary Public, State of Illinois My Commission Expires 12/30/2017	Debour R Bryans

	th day of August, 2016
State of Thingis County of Malesa	
On this 18 day of August, 2016, before me, a N aforesaid, appeared Assignor Jeffrey D. Hevrin, known to me personally or pro to be the same person who appeared before me, and acknowledged that he/sh voluntary act and for the uses and purposes therein expressed.	e executed said instrument as his/her free and
WITNESS my hand and seal the same day and year last above given.	My commission expires: 4/17/18
OFFICIAL SEAL NATHAN VERMILLION NOTARY PUBLIC - STATE OF ILLINOIS My Commission Expires April 17, 20 %	Notary Public

WITNESS Jun M	with my hand this	day of	August	2016
Lucas Allen	,		J	ARREST LINES OF THE STATE OF TH
State of <u>Illinois</u> County of <u>McLean</u>				
County of McLesy				
On this 18 day of August aforesaid, appeared Assignor Lucas Allen, known to me the same person who appeared before me, and acknowluntary act and for the uses and purposes therein expression with the same with the same and the same with the same	personally or proved owledged that he/shorsed.	to me on the e executed s	basis of satisfac aid instrument a	ctory evidence to be as his/her free and
AETOIAL on			Notary Public	

OFFICIAL SEAL
NATIVAN VERMILLION
NOTARY PUBLIC - STATE OF ILLINOIS
My Commission Expires Acril 17, 2015

WITNESS James Dykeman	an with my hand this 30th day of August , 2016.
State of <u>Illinois</u>	
County of McLear	
atoresaid, appeared Assignor James Lykem a	1. 2016, before me, a Notary Public in and for the County and State to the county and State to the county to me personally or proved to me on the basis of satisfactory evidence me, and acknowledged that he/she executed said instrument as his/her free and erein expressed.
WITNESS my hand and seal the sam	te day and year last above given. My commission expires: 12/30/17
"OFFICIAL SEAL" Deborah L. Bryant Notary Public, State of Illinois	Debout & Bryant Notary Public
My Gommission Expires 12/30/2017	

WITNESS Ellalate Surba	U_ with my hand this 31_ day of AUQUST_, 2016
Ellakate LeFebre	J
State of Illinois	
County of McLean	
aforesaid, appeared Assignor Ellakate-LeFebre,	, 2016, before me, a Notary Public in and for the County and State known to me personally or proved to me on the basis of satisfactory evidence, and acknowledged that he/she executed said instrument as his/her free and in expressed.
WITNESS my hand and seal the same of	day and year last above given. My commission expires: 12(30(17
"OFFICIAL SEAL" Deborah L. Bryant Notary Public, State of Illinois (My Commission Expires 12/30/2017)	day and year last above given. My commission expires: 12(30(17) Alwood & 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
	ber, known to me personally or proved to me on the basis of satisfactory evidence me, and acknowledged that he/she executed said instrument as his/her free and
voluntary act and for the uses and purposes the	
WITNESS my hand and seal the sam	ne day and year last above given. My commission expires:
	Notary Public

WITNESS JULIA	_with my hand this <u>9 hay of September</u> 2016
State of County	
aforesaid, appeared Assignor Sripriya Sundararama	, 2016, before me, a Notary Public in and for the County and State in, known to me personally or proved to me on the basis of satisfactory e me, and acknowledged that he/she executed said instrument as his/her herein expressed.
WITNESS my hand and seal the same day a	nd year last above given. Mycommission expires: 3-2-20/7
SHEREE SHEEHAN My Commission Expir	Notary Public
March 2, 2019	

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, kn	own to me personally or proved to me on the basis of satisfactory evidence to be
the same person who appeared before me voluntary act and for the uses and purposes the	, and acknowledged that he/she executed said instrument as his/her free and nerein expressed.
WITNESS my hand and seal the sar	ne 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

Date

ASSIGNMENT

Schedule A

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

PATENT REEL: 052987 FRAME: 0572

RECORDED: 06/19/2020