

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4774739

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

**CONVEYING PARTY DATA**

Name	Execution Date
BRIAN MARK FIELDS	01/27/2016
CHIEN CHE HUANG	02/09/2016
MOHAMED A. WAZEER	02/23/2016
SHAWN C. BENNETT	02/02/2016
STEVE C. CIELOCHA	01/27/2016
RONNY S. BRYANT	01/20/2016
STEPHEN KOHAUS	02/12/2016
TERRY QUAKENBUSH	02/10/2016
RICHARD A. NOVAK	03/23/2016
AARON SCOTT CHAN	02/03/2016
CRAIG M. MAIN	01/20/2016
WEIXIN WU	01/19/2016
TORRI WOLLENSCHLAGER	02/10/2016
CAROL MARIE CSANDA	01/21/2016
STACEY GORSUCH	02/09/2016
TODD BINION	02/03/2016

**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:	15869777

**CORRESPONDENCE DATA**

Fax Number: (312)474-0448

*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.*

PATENT

**Phone:** 3124746300  
**Email:** vrodriguez@marshallip.com, docket@marshallip.com  
**Correspondent Name:** MARSHALL GERSTEIN & BORUN LLP  
**Address Line 1:** 233 SOUTH WACKER DRIVE  
**Address Line 2:** SUITE 6300  
**Address Line 4:** CHICAGO, ILLINOIS 60606

**ATTORNEY DOCKET NUMBER:** 32060/49070FCON1

**NAME OF SUBMITTER:** NICHOLAS K. TERRELL

**SIGNATURE:** /Nicholas K. Terrell, Reg. No. 71,868/

**DATE SIGNED:** 01/12/2018

**Total Attachments: 18**

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## 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 hereto, 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 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 application listed above to insert in this assignment the filing date and application number of the application listed above 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 Brian Mark Fields with my hand this 29<sup>th</sup> day of January, 2016.

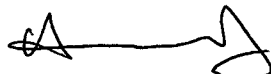
State of Illinois  
County of McLean

On this 27 day of January, 2016, before me, a Notary Public in and for the County and State aforesaid, appeared Assignor Brian Mark Fields, 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 executed said instrument as his 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 April 17, 2019

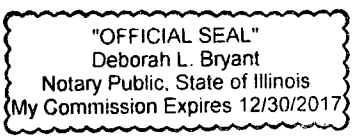
Nathan Vermillion  
Notary Public Signature

WITNESS  with my hand this 9 day of Feb, 2016.  
Chien Che Huang


State of ILLINOIS  
County of McLean

On this 9 day of February, 2016, before me, a Notary Public in and for the County and State aforesaid, appeared Assignor Chien Che Huang, 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 executed said instrument as his 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



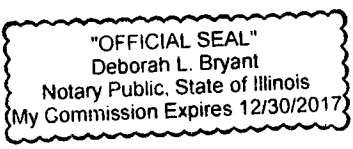
Deborah L Bryant  
Notary Public Signature

WITNESS  with my hand this 23<sup>rd</sup> day of February, 2016.  
- Mohamed A. Wazeer

State of Illinois  
County of McLean

On this 23 day of February, 2016, before me, a Notary Public in and for the County and State aforesaid, appeared Assignor Mohamed A. Wazeer, 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 executed said instrument as his 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 Signature

WITNESS *Shawn C. Bennett* with my hand this 2 day of Feb., 2016.

**Shawn C. Bennett**

State of Illinois  
County of McLean

On this 2<sup>nd</sup> day of February, 2016, before me, a Notary Public in and for the County and State aforesaid, appeared Assignor **Shawn C. Bennett**, 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 executed said instrument as his 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 Signature

WITNESS Steve C. Cielocha with my hand this 27 day of Jan, 2016.  
Steve C. Cielocha

State of Illinois  
County of McLean

On this 27 day of January, 2016, before me, a Notary Public in and for the County and State aforesaid, appeared Assignor Steve C. Cielocha, 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 executed said instrument as his 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

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

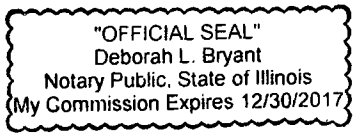


WITNESS [Signature] with my hand this 20 day of JAN, 2016  
Ronny S. Bryant

State of Illinois  
County of McLean

On this 20 day of January, 2016, before me, a Notary Public in and for the County and State aforesaid, appeared Assignor **Ronny S. Bryant**, 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 executed said instrument as his 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

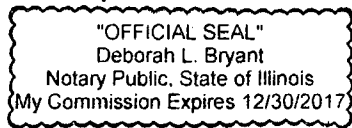


Deborah L Bryant  
Notary Public Signature

WITNESS Steve a. Kohaus with my hand this 12 day of February, 2016  
Stephen Kohaus ~~Steve Kohaus~~  
State of Illinois  
County of McLean

On this 12 day of February, 2016, before me, a Notary Public in and for the County and State aforesaid, appeared Assignor Steve Kohaus, 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 executed said instrument as his 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



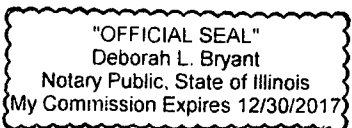
Deborah L Bryant  
Notary Public Signature

WITNESS *Terry Quakenbush* with my hand this 10<sup>th</sup> day of Feb., 2016  
Terry Quakenbush

State of Illinois  
County of McLean

On this 10 day of February, 2016, before me, a Notary Public in and for the County and State aforesaid, appeared Assignor Terry Quakenbush, 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 executed said instrument as his 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



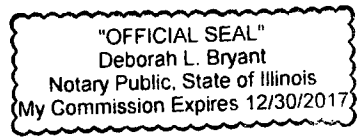
*Deborah L Bryant*  
Notary Public Signature

WITNESS Richard A. Novak with my hand this 23rd day of March, 2016.  
- Richard A. Novak 2016 *rn*

State of Illinois  
County of McLean

On this 23 day of March, 2016, before me, a Notary Public in and for the County and State aforesaid, appeared Assignor **Richard A. Novak**, 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 executed said instrument as his 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



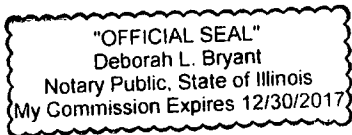
Deborah L. Bryant  
Notary Public Signature

WITNESS *Aaron Scott Chan* with my hand this 3 day of February, 2016.  
Aaron Scott Chan

State of ILLINOIS  
County of McLEAN

On this 3 day of February, 2016, before me, a Notary Public in and for the County and State aforesaid, appeared Assignor **Aaron Scott Chan**, 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 executed said instrument as his 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 Signature

WITNESS *Craig M. Main* with my hand this 20 day of January, 2016.

State of Texas  
County of Dallas

On this 20 day of January, 2016, before me, a Notary Public in and for the County and State aforesaid, appeared Assignor Craig M. Main, 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 executed said instrument as his 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: 12/27/19

*Tracy Schoonover*  
Notary Public Signature



WITNESS Weixin Wu with my hand this 19 day of January, 2016.

· Weixin Wu

State of Illinois  
County of McLean

On this 19 day of January, 2016, before me, a Notary Public in and for the County and State aforesaid, appeared Assignor Weixin Wu, 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 executed said instrument as his 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

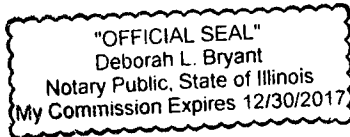
Deborah L Bryant  
Notary Public Signature

WITNESS *Torri Wollenschlager* with my hand this 10 day of Feb, 2016.  
Torri Wollenschlager

State of Illinois  
County of McLean

On this 10 day of February, 2016, before me, a Notary Public in and for the County and State aforesaid, appeared Assignor Torri Wollenschlager, 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 she executed said instrument as 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 Signature



WITNESS Carol Marie Csanda With my hand this 21<sup>st</sup> day of January, 2016.  
Carol Marie Csanda

State of Illinois  
County of Dewitt

On this 21<sup>st</sup> day of January, 2016, before me, a Notary Public in and for the County and State aforesaid, appeared Assignor Carol Marie Csanda, 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 she executed said instrument as 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: 11/23/2018

Rachael Simonovich  
Notary Public Signature

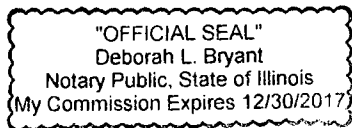


WITNESS Stacey Gorsuch with my hand this 9 day of February 2016  
Stacey Gorsuch

State of Illinois  
County of McLean

On this 9 day of February, 2016, before me, a Notary Public in and for the County and State aforesaid, appeared Assignor **Stacey Gorsuch**, 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 she executed said instrument as 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: 12/30/16



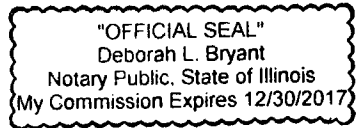
Deborah L Bryant  
Notary Public Signature

WITNESS Todd Binion with my hand this 3<sup>rd</sup> day of February, 2016

State of Illinois  
County of McLean

On this 3<sup>rd</sup> day of February, 2016, before me, a Notary Public in and for the County and State aforesaid, appeared Assignor Todd Binion, 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 executed said instrument as his 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 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.

Timothy Le Duc 3/23/2016  
Signature Date

ASSIGNMENT

SCHEDULE A

Application No.	Filing Date	Title	Docket Number
14/934,326	November 6, 2015	AUTONOMOUS VEHICLE OPERATING STATUS ASSESSMENT	32060/49070A
14/934,333	November 6, 2015	AUTONOMOUS VEHICLE CONTROL ASSESSMENT AND SELECTION	32060/49070B
14/934,339	November 6, 2015	AUTONOMOUS VEHICLE OPERATOR IDENTIFICATION	32060/49070C
14/934,343	November 6, 2015	AUTONOMOUS VEHICLE OPERATING STYLE AND MODE MONITORING	32060/49070D
14/934,345	November 6, 2015	AUTONOMOUS VEHICLE FEATURE RECOMMENDATIONS	32060/49070E
14/934,347	November 6, 2015	AUTONOMOUS VEHICLE SOFTWARE VERSION ASSESSMENT	32060/49070F
14/934,352	November 6, 2015	AUTONOMOUS VEHICLE AUTOMATIC PARKING	32060/49070G
14/934,355	November 6, 2015	AUTONOMOUS VEHICLE INSURANCE BASED UPON USAGE	32060/49070H
14/934,357	November 6, 2015	AUTONOMOUS VEHICLE SALVAGE AND REPAIR	32060/49070I
14/934,361	November 6, 2015	AUTONOMOUS VEHICLE INFRASTRUCTURE COMMUNICATION DEVICE	32060/49070J
14/934,371	November 6, 2015	AUTONOMOUS VEHICLE ACCIDENT AND EMERGENCY RESPONSE	32060/49070K
14/934,381	November 6, 2015	PERSONAL INSURANCE POLICIES	32060/49070L
14/934,385	November 6, 2015	AUTONOMOUS VEHICLE OPERATING STATUS ASSESSMENT	32060/49070M
14/934,388	November 6, 2015	AUTONOMOUS VEHICLE CONTROL ASSESSMENT AND SELECTION	32060/49070N
14/934,393	November 6, 2015	AUTONOMOUS VEHICLE CONTROL ASSESSMENT AND SELECTION	32060/49070O
14/934,400	November 6, 2015	AUTONOMOUS VEHICLE CONTROL ASSESSMENT AND SELECTION	32060/49070Q
14/934,405	November 6, 2015	AUTONOMOUS VEHICLE AUTOMATIC PARKING	32060/49070R