

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT4360725

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
RAJIV C. SHAH	09/28/2016
<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: 18</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	62402042
Application Number:	15482290
Application Number:	62402053
Application Number:	15482309
Application Number:	62402077
Application Number:	15482333
Application Number:	62399803
Application Number:	15482472
Application Number:	62400215
Application Number:	15482524
Application Number:	62401599
Application Number:	15482506
Application Number:	62401622
Application Number:	15482512
Application Number:	62401107
Application Number:	15482470
Application Number:	62401116
Application Number:	15482473
<b>CORRESPONDENCE DATA</b>	

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<b>ATTORNEY DOCKET NUMBER:</b>	32060/50601PA
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<b>NAME OF SUBMITTER:</b>	LAUREN VILLARREAL
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<b>SIGNATURE:</b>	/Lauren Villarreal/
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<b>DATE SIGNED:</b>	04/10/2017
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**Total Attachments: 3**

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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 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] [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

Nathan Vermillion  
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
32060/50601-A-PRO1	62/402,042	09/30/2016	Traffic Risk Avoidance for a Route Selection System
32060/50601-A-NP1	15/482,290	04/07/2017	Traffic Risk Avoidance for a Route Selection System
32060/50601-B-PRO1	62/402,053	09/30/2016	Traffic Risk Notification System
32060/50601-B-NP1	15/482,309	04/07/2017	Traffic Risk Notification System
32060/50601-C-PRO1	62/402,077	09/30/2016	Risk-Based Engagement and Disengagement of Autonomous Control of a Vehicle
32060/50601-C-NP1	15/482,333	04/07/2017	Risk-Based Engagement and Disengagement of Autonomous Control of a Vehicle
32060/50823-PRO1	62/399,803	9/26/2016	Systems and Methods for Control Systems to Facilitate Situational Awareness of a Vehicle
32060/50823-NP1	15/482,472	04/07/2017	Systems and Methods for Control Systems to Facilitate Situational Awareness of a Vehicle
32060/50824-PRO1	62/400,215	9/27/16	Networked Vehicle Control Systems to Facilitate Situation Awareness of Vehicles
32060/50824-NP1	15/482,524	04/07/2017	Networked Vehicle Control Systems to Facilitate Situation Awareness of Vehicles
32060/51004-PRO1	62/401,599	09/29/2016	Systems for Identifying High Risk Parking Lots
32060/51004-NP1	15/482,506	04/07/2017	Systems for Identifying High Risk Parking Lots
32060/51005-PRO1	62/401,622	09/29/2016	System for Driver's Education
32060/51005-NP1	15/482,512	04/07/2017	System for Driver's Education
32060/51006-PRO1	62/401,107	09/28/2016	System for Determining Road Slipperiness in Bad Weather Conditions
32060/51006-NP1	15/482,470	04/07/2017	System for Determining Road Slipperiness in Bad Weather Conditions
32060/51007-PRO1	62/401,116	09/28/2016	System for Adjusting Autonomous Vehicle Driving Behavior to Mimic that of Neighboring/Surrounding Vehicles
32060/51007-NP1	15/482,473	04/07/2017	System for Adjusting Autonomous Vehicle Driving Behavior to Mimic that of Neighboring/Surrounding Vehicles

PATENT

RECORDED: 04/10/2017

REEL: 041940 FRAME: 0262