

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT5745084

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JOHN RUGEL	10/06/2017
BRIAN STRICKER	10/06/2017
HOWARD HAYES	12/04/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ALLSTATE INSURANCE COMPANY
<b>Street Address:</b>	2775 SANDERS ROAD
<b>City:</b>	NORTHBROOK
<b>State/Country:</b>	ILLINOIS
<b>Postal Code:</b>	60062
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16587280
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)824-3001
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	(202) 824-3000
<b>Email:</b>	bwptopat@bannerwitcoff.com, aanderson@bannerwitcoff.com
<b>Correspondent Name:</b>	BANNER & WITCOFF, LTD.
<b>Address Line 1:</b>	1100 13TH ST. NW
<b>Address Line 2:</b>	STE 1200
<b>Address Line 4:</b>	WASHINGTON, D.C. 20005
<b>ATTORNEY DOCKET NUMBER:</b>	006591.02256
<b>NAME OF SUBMITTER:</b>	ELIZABETH A. ALMETER
<b>SIGNATURE:</b>	/Elizabeth A. Almeter/
<b>DATE SIGNED:</b>	09/30/2019
<b>Total Attachments: 4</b>	
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source=Executed Assignment#page2.tif	
source=Executed Assignment#page3.tif	



**ASSIGNMENT**

WHEREAS, I/we **John Rugel, Brian Stricker and Howard Hayes** (ASSIGNORS), am/are the inventors of certain inventions and improvements described in a U.S. patent application and having the title

**Data Processing System with Machine Learning Engine to Provide Output Generating Functions**

which application was filed on September 27, 2017 and assigned Application No. 15/716,983; and

WHEREAS,

**Allstate Insurance Company**  
2775 Sanders Road, Suite A2  
Northbrook, IL 60062

(ASSIGNEE) desires to acquire the entire right, title and interest in and to the said application, inventions and improvements and any patents that may be granted on or as a result thereof in the United States of America (U.S.) and in any and all foreign countries;

NOW, THEREFORE, for good and valuable consideration, receipt and sufficiency of which is hereby acknowledged,

I/we hereby assign, to the above named ASSIGNEE, its successors, assigns and legal representatives (NOMINEES) the entire right, title and interest in and to said application, inventions and improvements throughout the world and to any and all patents, petty patents and utility model patents which may be granted therefor, and all continuations, continuations-in-part, divisions, reissues, extensions, renewals, and any non-provisional based on a provisional thereof (LETTERS PATENT).

And I/we covenant that we have full right to convey the entire interest herein assigned, and that I have not executed and will not execute any agreement or do anything in conflict herewith;

And I/we further covenant and agree that I will without undue delay execute without further consideration all such papers as may be necessary to perfect the title to said application, inventions and improvements, and LETTERS PATENT in the ASSIGNEE or its NOMINEES, and I agree to communicate to said ASSIGNEE or its NOMINEES all known facts respecting said application, inventions, improvements, and LETTERS PATENT, to testify in any legal proceedings, to sign all lawful papers, and generally to do all things necessary to aid ASSIGNEE or its NOMINEES to obtain and enforce for their own benefit patent protection for said application, inventions and improvements in any and all countries, all at the expense, however, of the ASSIGNEE or its NOMINEES;

LAW OFFICES  
BANNER & WITCOFF, LTD.  
10 South Wacker Drive, Chicago, IL. 60606-7407  
312-463-5000


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**PATENT**  
**REEL: 050563 FRAME: 0589**

And I/we authorize the ASSIGNEE or its NOMINEES to file in my name or their own, as appropriate, application for LETTERS PATENT in any and all countries of the world, and we authorize and request the Commissioner of Patents and Trademarks of the United States, and any proper official of any country, to issue to said ASSIGNEE or its NOMINEES any and all LETTERS PATENT for said application, inventions and improvements, for their sole use, to the full end of the term for which such LETTERS PATENT may be granted;

And I/we hereby grant the attorneys at the law firm of Banner & Witcoff the power to insert into this document information sufficient to further identify the patent application to which this assignment pertains, including the filing date and assigned application number.

October 6, 2017  
Date

  
\_\_\_\_\_  
John Rugel

\_\_\_\_\_  
Date

\_\_\_\_\_  
Brian Stricker

\_\_\_\_\_  
Date

\_\_\_\_\_  
Howard Hayes

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**PATENT**  
**REEL: 050563 FRAME: 0590**

And I/we authorize the ASSIGNEE or its NOMINEES to file in my name or their own, as appropriate, application for LETTERS PATENT in any and all countries of the world, and we authorize and request the Commissioner of Patents and Trademarks of the United States, and any proper official of any country, to issue to said ASSIGNEE or its NOMINEES any and all LETTERS PATENT for said application, inventions and improvements, for their sole use, to the full end of the term for which such LETTERS PATENT may be granted;

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\_\_\_\_\_  
Date

\_\_\_\_\_  
**John Rugel**

10/6/17  
Date

  
\_\_\_\_\_  
**Brian Stricker**

\_\_\_\_\_  
Date

\_\_\_\_\_  
**Howard Hayes**

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**PATENT**  
**REEL: 050563 FRAME: 0591**

And I/we authorize the ASSIGNEE or its NOMINEES to file in my name or their own, as appropriate, application for LETTERS PATENT in any and all countries of the world, and we authorize and request the Commissioner of Patents and Trademarks of the United States, and any proper official of any country, to issue to said ASSIGNEE or its NOMINEES any and all LETTERS PATENT for said application, inventions and improvements, for their sole use, to the full end of the term for which such LETTERS PATENT may be granted;

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\_\_\_\_\_  
Date

\_\_\_\_\_  
John Rugel

\_\_\_\_\_  
Date

\_\_\_\_\_  
Brian Stricker

12/4/17  
Date

  
Howard Hayes

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