

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3041360

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
HYUNG-IL AHN	09/26/2014
MATTHEW DENESUK	09/26/2014
AXEL HOCHSTEIN	09/26/2014
YING TAT LEUNG	09/26/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	INTERNATIONAL BUSINESS MACHINES CORPORATION
<b>Street Address:</b>	NEW ORCHARD ROAD
<b>City:</b>	ARMONK
<b>State/Country:</b>	NEW YORK
<b>Postal Code:</b>	10504
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14498707
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(203)255-6570
<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>	2032556560
<b>Email:</b>	CAR@RML-LAW.COM
<b>Correspondent Name:</b>	MICHAEL J. COOPER
<b>Address Line 1:</b>	1175 POST ROAD EAST
<b>Address Line 2:</b>	RYAN, MASON & LEWIS, LLP
<b>Address Line 4:</b>	WESTPORT, CONNECTICUT 06880
<b>ATTORNEY DOCKET NUMBER:</b>	ARC920140047US1
<b>NAME OF SUBMITTER:</b>	MICHAEL J. COOPER
<b>SIGNATURE:</b>	/Michael J. Cooper/
<b>DATE SIGNED:</b>	09/26/2014
This document serves as an Oath/Declaration (37 CFR 1.63).	
<b>Total Attachments: 6</b>	
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source=ARC920140047US1\_FiledAssignDec\_09262014#page3.tif  
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**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  
**Hyung-il Ahn, Matthew Denesuk, Axel Hochstein  
and Ying Tat Leung**  
Additional name(s) of conveying party(ies) attached?  
 Yes  No

2. Name and address of receiving party(ies)  
Name: **International Business Machines Corporation**  
Internal Address:

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other  
Execution Date: **September 26, 2014, September 26,  
2014, September 26, 2014, September 26, 2014**

Street Address: **New Orchard Road**  
City: **Armonk** State: **NY** ZIP: **10504**  
Additional name(s) & address(es) attached?  Yes  No

4. Application number(s) or patent number(s):  
If this document is being filed together with a new application, the execution date of the application is:  
A. Patent Application No.(s) **14/498,707 Filed September 26, 2014** B. Patent No.(s)  
Additional numbers attached?  Yes  No

5. Name and address of party to whom  
correspondence concerning document should be  
mailed:  
Name: **Michael J. Cooper**  
Internal Address: **Ryan, Mason & Lewis, LLP**  
Street Address: **1175 Post Road East, Second Floor**  
City: **Westport** State: **CT** ZIP: **06880**

6. Total number of applications and patents  
involved: 1  
7. Total Fee (37 CFR 3.41)..... \$ 40.00  
 Enclosed  
 Authorized to be charged to deposit account  
8. Deposit account number **09-0441**

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9. Statement and signature.  
*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

**Michael J. Cooper**  
Reg. No. **57,749**

  
Signature

**September 26, 2014**  
Date

Total number of pages including cover sheet, attachments, and document: 6

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ARC920140047US1

**DECLARATION (37 C.F.R. 1.63) FOR UTILITY PATENT APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76) AND ASSIGNMENT**

Title of Invention: **GENERATING ESTIMATES OF FAILURE RISK FOR A VEHICULAR COMPONENT IN SITUATIONS OF HIGH-DIMENSIONAL AND LOW SAMPLE SIZE DATA**

As a below named and undersigned inventor, I hereby declare that:

This declaration is directed to the attached application, or (if following box is checked):

United States application or PCT international application number \_\_\_\_\_  
filed on \_\_\_\_\_.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the application, including the claims.

I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR Section 1.56.

Whereas, I have made certain inventions, improvements, and discoveries (herein referred to as the "Invention") disclosed in the above-identified patent application and further identified by the IBM Docket Number provided above in the header of this document;

Whereas, International Business Machines Corporation, a corporation of New York having a place of business at Armonk, New York (herein referred to as "IBM"), desires to acquire, and I desire to grant to IBM, my entire worldwide right, title, and interest in and to the Invention and in and to any and all patent applications and patents directed thereto;

Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, I ("ASSIGNOR") hereby sell or have sold, assign or have assigned, and otherwise transfer or have transferred to IBM (the "ASSIGNEE"), its successors, legal representatives, and assigns, my entire worldwide right, title, and interest in and to the Invention, the above-identified United States patent application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisions, continuations, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In addition, I hereby authorize and request the Director of the United States Patent and Trademark Office to issue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention, to IBM, its successors, legal representatives, and assigns, my entire worldwide right, title, and interest in and to the same to be held and enjoyed by IBM, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by me had this Assignment not been made; and I agree to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the Invention and all related patents and applications, in IBM, its successors, legal representatives, and assigns, whenever requested by IBM, its successors, legal representatives, or assigns.

I acknowledge my prior and ongoing obligations to sell, assign, and transfer my rights under this Assignment to IBM and am unaware of any reason why I may not have the full and unencumbered right to sell, assign, and transfer my rights hereby sold, assigned, and transferred, and have not executed, and will not execute, any document or instrument in conflict herewith. I also hereby grant IBM, its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification (including, but not limited to, patent Application Number) which may be necessary or desirable for recordation of this Assignment. This Assignment is governed by the substantive laws of the State of New York, and any disputes will be resolved in a New York state court or federal court sited in New York.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

(1) Legal Name of Inventor: **Hyung-il Ahn**

Signature: \_\_\_\_\_

*Hyung-il Ahn*

Date: \_\_\_\_\_

9/26/2014

(2) Legal Name of Inventor: **Matthew Denesuk**

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

(3) Legal Name of Inventor: **Axel Hochstein**

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

(4) Legal Name of Inventor: **Ying Tat Leung**

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

I acknowledge my prior and ongoing obligations to sell, assign, and transfer my rights under this Assignment to IBM and am unaware of any reason why I may not have the full and undivided right to sell, assign, and transfer my rights hereby sold, assigned, and transferred, and have or executed, and will not execute, any document or instrument in conflict here-with. I also hereby grant IBM, its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification (including, but not limited to, patent Application Number) which may be necessary or desirable for registration of this Assignment. This Assignment is governed by the substantive laws of the State of New York, and any disputes will be resolved in a New York state court or federal court sited in New York.

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(1) Legal Name of Inventor: **Hyung-II Ahn**

Signature \_\_\_\_\_ Date \_\_\_\_\_

(2) Legal Name of Inventor: **Matthew Denesuk**

Signature  \_\_\_\_\_ Date 9/26/14

(3) Legal Name of Inventor: **Axel Hochstein**

Signature \_\_\_\_\_ Date \_\_\_\_\_

(4) Legal Name of Inventor: **Ying Tat Leung**

Signature \_\_\_\_\_ Date \_\_\_\_\_

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(1) Legal Name of Inventor: **Hyung-il Ahn**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(2) Legal Name of Inventor: **Matthew Denesuk**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(3) Legal Name of Inventor: **Axel Hochstein**

Signature:  \_\_\_\_\_ Date: 9/26/2014

(4) Legal Name of Inventor: **Ying Tat Leung**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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(1) Legal Name of Inventor: **Hyung-il Ahn**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_


(2) Legal Name of Inventor: **Matthew Denesuk**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(3) Legal Name of Inventor: **Axel Hochstein**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

(4) Legal Name of Inventor: **Ying Tat Leung**

Signature:  Date: Sept 26, 2014