

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT2692718

SUBMISSION TYPE:	NEW ASSIGNMENT																						
NATURE OF CONVEYANCE:	ASSIGNMENT																						
CONVEYING PARTY DATA																							
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>KATHRYN A. BASSIN</td> <td>05/06/2013</td> </tr> <tr> <td>HOWARD M. HESS</td> <td>05/08/2013</td> </tr> <tr> <td>SHENG HUANG</td> <td>05/10/2013</td> </tr> <tr> <td>STEVEN KAGAN</td> <td>05/17/2013</td> </tr> <tr> <td>SHAO C. LI</td> <td>05/06/2013</td> </tr> <tr> <td>ZHONG J. LI</td> <td>05/07/2013</td> </tr> <tr> <td>HE H. LIU</td> <td>05/06/2013</td> </tr> <tr> <td>SUSAN E. SKRABANEK</td> <td>05/13/2013</td> </tr> <tr> <td>HUA F. TAN</td> <td>05/07/2013</td> </tr> <tr> <td>JUN ZHU</td> <td>05/06/2013</td> </tr> </tbody> </table>		Name	Execution Date	KATHRYN A. BASSIN	05/06/2013	HOWARD M. HESS	05/08/2013	SHENG HUANG	05/10/2013	STEVEN KAGAN	05/17/2013	SHAO C. LI	05/06/2013	ZHONG J. LI	05/07/2013	HE H. LIU	05/06/2013	SUSAN E. SKRABANEK	05/13/2013	HUA F. TAN	05/07/2013	JUN ZHU	05/06/2013
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<table border="1"> <tr> <td>Name:</td> <td>INTERNATIONAL BUSINESS MACHINES CORPORATION</td> </tr> <tr> <td>Street Address:</td> <td>New Orchard Road</td> </tr> <tr> <td>City:</td> <td>Armonk</td> </tr> <tr> <td>State/Country:</td> <td>NEW YORK</td> </tr> <tr> <td>Postal Code:</td> <td>10504</td> </tr> </table>		Name:	INTERNATIONAL BUSINESS MACHINES CORPORATION	Street Address:	New Orchard Road	City:	Armonk	State/Country:	NEW YORK	Postal Code:	10504												
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Application Number:	14160954																						
CORRESPONDENCE DATA																							
Fax Number:	(703)848-2981																						
Email:	sovando@rmsclaw.com																						
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>																							
Correspondent Name:	ANDREW M. CALDERON																						
Address Line 1:	7918 JONES BRANCH DRIVE																						
Address Line 2:	SUITE 500																						

Address Line 4: MCLEAN, VIRGINIA 22102	
ATTORNEY DOCKET NUMBER:	END920090033US3
NAME OF SUBMITTER:	ANDREW M. CALDERON
Signature:	/Andrew M. Calderon/
Date:	01/22/2014
	This document serves as an Oath/Declaration (37 CFR 1.63).
<p>Total Attachments: 21</p> <p>source=END920090033US2_DeclarationAssignment_Parent#page1.tif</p> <p>source=END920090033US2_DeclarationAssignment_Parent#page2.tif</p> <p>source=END920090033US2_DeclarationAssignment_Parent#page3.tif</p> <p>source=END920090033US2_DeclarationAssignment_Parent#page4.tif</p> <p>source=END920090033US2_DeclarationAssignment_Parent#page5.tif</p> <p>source=END920090033US2_DeclarationAssignment_Parent#page6.tif</p> <p>source=END920090033US2_DeclarationAssignment_Parent#page7.tif</p> <p>source=END920090033US2_DeclarationAssignment_Parent#page8.tif</p> <p>source=END920090033US2_DeclarationAssignment_Parent#page9.tif</p> <p>source=END920090033US2_DeclarationAssignment_Parent#page10.tif</p> <p>source=END920090033US2_DeclarationAssignment_Parent#page11.tif</p> <p>source=END920090033US2_DeclarationAssignment_Parent#page12.tif</p> <p>source=END920090033US2_DeclarationAssignment_Parent#page13.tif</p> <p>source=END920090033US2_DeclarationAssignment_Parent#page14.tif</p> <p>source=END920090033US2_DeclarationAssignment_Parent#page15.tif</p> <p>source=END920090033US2_DeclarationAssignment_Parent#page16.tif</p> <p>source=END920090033US2_DeclarationAssignment_Parent#page17.tif</p> <p>source=END920090033US2_DeclarationAssignment_Parent#page18.tif</p> <p>source=END920090033US2_DeclarationAssignment_Parent#page19.tif</p> <p>source=END920090033US2_DeclarationAssignment_Parent#page20.tif</p> <p>source=END920090033US2_DeclarationAssignment_Parent#page21.tif</p>	

**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: SYSTEM AND METHOD TO DETERMINE DEFECT RISKS IN SOFTWARE SOLUTIONS

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 _____
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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.

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(1) Legal Name of Inventor: Kathryn A. BASSIN

Signature: Kathryn A. Bassin Date: May 6, 2013

(2) Legal Name of Inventor: Howard M. HESS

Signature: _____ Date: _____

(3) Legal Name of Inventor: Sheng HUANG

Signature: _____ Date: _____

(4) Legal Name of Inventor: Steven KAGAN

Signature: _____ Date: _____

[IF MORE INVENTORS, ADDITIONAL SIGNATURE PAGE(S) FOLLOWS]

(5) Legal Name of Inventor: Shao C. LI

Signature: _____ Date: _____

(6) Legal Name of Inventor: Zhong J. LI

Signature: _____ Date: _____

(7) Legal Name of Inventor: He H. LIU

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(1) Legal Name of Inventor: **Kathryn A. BASSIN**

Signature: _____ Date: _____

(2) Legal Name of Inventor: **Howard M. HESS**

Signature:  _____ Date: 5/8/2013

(3) Legal Name of Inventor: **Sheng HUANG**

Signature: _____ Date: _____

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Signature: _____ Date: _____

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(7) Legal Name of Inventor: **He H. LIU**

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Signature:  _____ Date: 2013.5.10

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Signature: _____ Date: _____

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(5) Legal Name of Inventor: Shao C. LI

Signature: Li Shao Chun Date: 2013-05-06

(6) Legal Name of Inventor: Zhong J. LI

Signature: Zhong Jie Li Date: 2013-05-07

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☐ 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: **Kathryn A. BASSIN**

Signature: _____ Date: _____

(2) Legal Name of Inventor: **Howard M. HESS**

Signature: _____ Date: _____

(3) Legal Name of Inventor: **Sheng HUANG**

Signature: _____ Date: _____

(4) Legal Name of Inventor: **Steven KAGAN**

Signature: _____ Date: _____

[IF MORE INVENTORS, ADDITIONAL SIGNATURE PAGE(S) FOLLOWS]

(5) Legal Name of Inventor: **Shao C. LI**

Signature: _____ Date: _____

(6) Legal Name of Inventor: **Zhong J. LI**

Signature: _____ Date: _____

(7) Legal Name of Inventor: **He H. LIU**

Signature: _____ Date: _____

(8) Legal Name of Inventor: **Susan E. SKRABANEK**

Signature: Susan E. Skrabanek Date: 5/13/2013

(9) Legal Name of Inventor: **Hua F. TAN**

Signature: _____ Date: _____

(10) Legal Name of Inventor: **Jun ZHU**

Signature: _____ Date: _____

**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: SYSTEM AND METHOD TO DETERMINE DEFECT RISKS IN SOFTWARE SOLUTIONS

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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.

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(1) Legal Name of Inventor: **Kathryn A. BASSIN**

Signature: _____ Date: _____

(2) Legal Name of Inventor: **Howard M. HESS**

Signature: _____ Date: _____

(3) Legal Name of Inventor: **Sheng HUANG**

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(8) Legal Name of Inventor: Susan E. SKRABANEK

Signature: _____ Date: _____

(9) Legal Name of Inventor: Hua F. TAN

Signature: _____ Date: _____

(10) Legal Name of Inventor: Jun ZHU

Signature: Jun Zhu Date: 2013/05/06