PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Brian DREIBELBIS	03/25/2013
John P. DUBUQUE	03/25/2013
Eric A. FOREMAN	03/25/2013
David J. HATHAWAY	03/25/2013
Jeffrey G. HEMMETT	03/25/2013
Natesan VENKATESWARAN	03/25/2013
Chandramouli VISWESWARIAH	03/25/2013
Vladimir ZOLOTOV	03/25/2013

RECEIVING PARTY DATA

Name:	INTERNATIONAL BUSINESS MACHINES CORPORATION
Street Address:	New Orchard Road
City:	Armonk
State/Country:	NEW YORK
Postal Code:	10504

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13855226

CORRESPONDENCE DATA

Fax Number: 7038482981

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Email: rescobar@rmsclaw.com

Correspondent Name: Andrew M. Calderon

Address Line 1: 7918 Jones Branch Drive

Address Line 2: Suite 500

Address Line 4: Mclean, VIRGINIA 22102

NAME OF SUBMITTER: Andrew M. Calderon PATENT

502295708 REEL: 030134 FRAME: 0318

13855226

0H 340 00

Signature:	/Andrew M. Calderon/	
Date: 04/02/2013		
	This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 12		
source=BUR920120144US1_DeclarationAssignment#page1.tif		
source=BUR920120144US1_DeclarationAssignment#page2.tif		
source=BUR920120144US1_DeclarationAssignment#page3.tif		
source=BUR920120144US1_DeclarationAssignment#page4.tif		
source=BUR920120144US1_DeclarationAssignment#page5.tif		
source=BUR920120144US1_DeclarationAs	signment#page6.tif	
source=BUR920120144US1_DeclarationAs	signment#page7.tif	
source=BUR920120144US1_DeclarationAs	signment#page8.tif	
source=BUR920120144US1_DeclarationAs	signment#page9.tif	
source=BUR920120144US1_DeclarationAs	signment#page10.tif	
source=BUR920120144US1_DeclarationAs	signment#page11.tif	
source=BUR920120144US1_DeclarationAs	signment#page12.tif	

PATENT REEL: 030134 FRAME: 0319

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: REDUCING RUNTIME AND MEMORY REQUIREMENTS OF STATIC TIMING ANALYSIS

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 numberfiled 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.

Page 1 of 3

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: Brian DREIBELBIS	
Signature: Bui Develle	Date: 3/25/12
(2) Legal Name of Inventor: John P. DUBUQUE	
Signature: A Man	Date: 3/25/13
(3) Legal Name of Inventor: Eric A. FOREMAN	
Signature:	3/25/13 Date:
(4) Legal Name of Inventor: David J. HATHAWAY	
Signature: Maria Attany	Date:

(5)	Legal Name of Inventor: Jeffrey G. HEMMETT		
	Signature: Almos G. Almos M.	_ Date:	3/25/13
(6)	Legal Name of Inventor: Natesan VENKATESWARAN		
	Signature:	_Date;	
(7)	Legal Name of Inventor: Chandramouli VISWESWARIAH		
	Signature:	_ Date:	***************************************
(8)	Legal Name of Inventor: Vladimir ZOLOTOV		
	Signaturo	Dotai	

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: REDUCING RUNTIME AND MEMORY REQUIREMENTS OF STATIC TIMING ANALYSIS

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.

Page 1 of 3

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: Brian DREIBELBIS	
	Signature:	Date:
(2)	Legal Name of Inventor: John P. DUBUQUE	
	Signature:	Date:
(3)	Legal Name of Inventor: Eric A. FOREMAN	
	Signature:	Date:
(4)	Legal Name of Inventor: David J. HATHAWAY	
	Signature:	Date:

(5)	Legal Name of Inventor: Jeffrey G. HEMMETT		
	Signature:	_ Date:_	
(6)	Legal Name of Inventor: Natesan VENKATESWARAN		
	Signature: Auxtesar	Date:	3/25/2013
(7)	Legal Name of Inventor: Chandramouli VISWESWARIAH		
	Signature:	_ Date:_	
(8)	Legal Name of Inventor: Vladimir ZOLOTOV		
	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: REDUCING RUNTIME AND MEMORY REQUIREMENTS OF STATIC TIMING ANALYSIS

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: Brian DREIBELBIS	
	Signature:	Date:
(2)	Legal Name of Inventor: John P. DUBUQUE	
	Signature:	_Date:
(3)	Legal Name of Inventor: Eric A. FOREMAN	
	Signature:	_ Date:
(4)	Legal Name of Inventor: David J. HATHAWAY	
	Signature:	Date:

(5)	Legal Name of Inventor: Jeffrey G. HEMMETT	
	Signature:	_ Date:
(6)	Legal Name of Inventor: Natesan VENKATESWARAN	
	Signature:	Date:
(7)	Legal Name of Inventor: Chandramouli VISWESWARIAH	
	Signature: Chumhrumulir V	Date: $03/2.5/13$
(8)	Legal Name of Inventor: Vladimir ZOLOTOV	
	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: REDUCING RUNTIME AND MEMORY REQUIREMENTS OF STATIC TIMING ANALYSIS

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.

Page 1 of 3

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)	(1) Legal Name of Inventor: Brian DREIBELBIS			
	Signature:	Date:		
(2)	Legal Name of Inventor: John P. DUBUQUE			
	Signature:	Date:		
(3)	Legal Name of Inventor: Eric A. FOREMAN			
	Signature:	Date:		
(4)	Legal Name of Inventor: David J. HATHAWAY			
	Signature:	Date:		

(5) Legal Name of Inventor: Jeffrey G. HEMMETT	
Signature:	Date:
(6) Legal Name of Inventor: Natesan VENKATESWARAN	
Signature:	Date:
(7) Legal Name of Inventor: Chandramouli VISWESWARIA	АН
Signature:	Date:
(8) Legal Name of Inventor: Vladimir ZOLOTOV	
Signature:	Date: <u>03.25.201</u> 3