PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE: CORRECTIVE ASSIGNMENT	
NATURE OF CONVEYANCE:	Corrective Assignment to correct the name of Assignor Mark S. Ferrell to Mark S. Farrell previously recorded on Reel 028049 Frame 0366. Assignor(s) hereby confirms the correct spelling of Assignor's name to be Mark S. Farrell.

CONVEYING PARTY DATA

Name	Execution Date
Mark S. Farrell	03/16/2012
Charles W. Gainey Jr.	03/16/2012
Marcel M. Mitran	03/20/2012
Damian L. Osisek	03/16/2012
Chung-Lung K. Shum	03/16/2012
Timothy J. Slegel	03/16/2012
Brian L. Smith	03/16/2012

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:	13422542

CORRESPONDENCE DATA

Fax Number: Phone:	(860)286-0115 860-286-2929
Email:	usptopatentmail@cantorcolburn.com
Correspondence will be se via US Mail.	ent to the e-mail address first; if that is unsuccessful, it will be sent
Correspondent Name:	Cantor Colburn LLP
Address Line 1:	20 Church Street, 22nd Floor
Address Line 4:	Hartford, CONNECTICUT 06103

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ATTORNEY DOCKET NUMBER:	POU920120004US1
NAME OF SUBMITTER:	Eric J. Baron
Total Attachments: 18 source=69T3729#page1.tif source=69T3729#page2.tif source=69T3729#page3.tif source=69T3729#page4.tif source=69T3729#page5.tif source=69T3729#page6.tif source=69T3729#page7.tif source=69T3729#page8.tif source=69T3729#page9.tif source=69T3729#page10.tif	
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PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:		NEW ASSIGNMENT		
NATURE OF CONVE	YANCE:	ASSIGNMENT		
CONVEYING PARTY	DATA			
		Name	Execution Date	
Mark S. Ferrell			03/16/2012	-
Charles W. Gainey Jr			03/16/2012	i.
Marcel M. Mitran			03/20/2012	
Damian L. Osisek	-		03/16/2012	
Chung-Lung K. Shum	<u> </u>		03/16/2012	
Timothy J. Slegel			03/16/2012	-
Brian L. Smith			03/16/2012	
Street Address:	New Orchard Ro			
RECEIVING PARTY I		······		
Name:		siness Machines Corporation		
	Armonk			
City:				
State/Country: Postal Code:	NEW YORK 10504			
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PROPERTY NUMBER Property T Application Number: CORRESPONDENCE Fax Number: Phone: Email: <i>Correspondence will J</i> <i>via US Mail.</i> Correspondent Name	ype 13- E DATA (860)286-0 860-286-29 usptopatent be sent to the e-main E CANTOR C 20 Church 3 22nd Floor	422542 115 129 tmail@cantorcolburn.com <i>ail address first; if that is unsuccessfu</i> COLBURN LLP Street		

Whereas, the undersigned Inventor(s) has/have made certain inventions, improvements, and discoveries (herein referred to as the "Invention") in:

TITLE OF THE INVENTION: RUN-TIME INSTRUMENTATION MONITORING FOR PROCESSOR CHARACTERISTIC CHANGES

and further identified by the IBM Docket Number provided above in the header of this Assignment, for which an application for a United States Patent was executed concurrently herewith or was filed having:

Serial Number: 13422542 (insert series code and serial number here if/when available)

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 each undersigned Inventor desires to grant to IBM, the 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, each undersigned Inventor ("ASSIGNOR") hereby sells, assigns, and otherwise transfers to IBM (the "ASSIGNEE"), its successors, legal representatives, and assigns, the 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, each undersigned Inventor hereby authorizes and requests 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, the 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 the undersigned had this Assignment not been made; and each undersigned Inventor agrees 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.

Each undersigned Inventor acknowledges their prior and ongoing obligations to sell, assign, and transfer the rights under this Assignment to IBM and is unaware of any reason why they may not have the full and unencumbered right to sell, assign, and transfer the rights hereby sold, assigned, and transferred, and has not executed, and will not execute, any document or instrument in conflict herewith. Each undersigned Inventor also hereby grants IBM, its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification (including, but not limited to, patent application Serial 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.

[Inventor Signature Page(s) Follows]

Page 1 of 3

Executed by Inventor	• 1
Signature: <u>Mark S. Farrell</u> Mark S. Farrell	~.
Executed by Inventor	.2
Signature: D Charles W. Gainey, Jr.	Date:
Executed by Inventor	3
Signature: D Marcel M. Mitran	Date:
Executed by Inventor	4
Signature:D Damian L. Osisek	Pate:
Executed by Inventor	5
Signature:D Chung-Lung K. Slfum	ate: 3/16/2012

Page 2 of 3

	Executed by Inventor 6	
Signature:	Timothy J. Slegel Date: 3/16/2012	
	Executed by Inventor 7	~~ ,
Signature;	Brian L. Smith	

Page 3 of 3

PATENT REEL: 028117 FRAME: 0751

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Whereas, the undersigned Inventor(s) has/have made certain inventions, improvements, and discoveries (herein referred to as the "Invention") in:

TITLE OF THE INVENTION: RUN-TIME INSTRUMENTATION MONITORING FOR PROCESSOR CHARACTERISTIC CHANGES

and further identified by the IBM Docket Number provided above in the header of this Assignment, for which an application for a United States Patent was executed concurrently herewith or was filed having;

Scrial Number: 13|422542 (insert scries code and scrial number here if/when available)

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 each undersigned inventor desires to grant to IBM, the 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, each undersigned Inventor ("ASSIGNOR") hereby sells, assigns, and otherwise transfers to IBM (the "ASSIGNEE"), its successors, legal representatives, and assigns, the 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, each undersigned Inventor hereby authorizes and requests 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, the 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 the undersigned had this Assignment not been made; and each undersigned Inventor agrees 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.

Each undersigned inventor acknowledges their prior and ongoing obligations to sell, assign, and transfer the rights under this Assignment to IBM and is unaware of any reason why they may not have the full and unencumbered right to sell, assign, and transfer the rights hereby sold, assigned, and transferred, and has not executed, and will not execute, any document or instrument in conflict herewith. Each undersigned Inventor also hereby grants IBM, its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification (including, but not limited to, patent application Serial 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.

[Inventor Signature Page(s) Follows]

Page 1 of 3

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Signature:	Date: Mark S. Farrell
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Signature.	Charles W. Gainey, Jr. ADate: 3/16/2012
	Executed by Inventor 3
Signature:	Marcel M. Mitran
	Executed by Inventor 4
Signature:	Date: Damian L. Osisek
	Executed by Inventor 5
Signature:	Date:
	Chung-Lung K. Shum

Page 2 of 3

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Signature:	Timothy J. Slegel	Date:	
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Signature:		Date:	
	Brian L. Smith		

PATENT REEL: 028117 FRAME: 0754

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Whereas, the undersigned Inventor(s) has/have made certain inventions, improvements, and discoveries (herein referred to as the "Invention") in:

TITLE OF THE INVENTION: RUN-TIME INSTRUMENTATION MONITORING FOR PROCESSOR CHARACTERISTIC CHANGES

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Serial Number: 13/422542 (insert series code and serial number here if/when available)

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[Inventor Signature Page(s) Follows]

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	Exec	cuted by Inventor 1
ignature:		Date:
	Mark S. Farrell	
1969 - 1966 - 1976 - 1976 - 1976 - 1976 - 1976 - 1976 - 1976 - 1976 - 1976 - 1976 - 1976 - 1976 - 1976 - 1976	Exec	cuted by Inventor 2
lignature:		Date:
	Charles W. Gainey, Jr.	
	Exec	cuted by Inventor 3
lignature:	Marcel M. Mitran	Date: March Cott, 201~
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	Exec	nted by Inventor 4
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ignature:		Date:
	Damian L. Ösisek	
a secondare de la composite de	Exec	uted by Inventor 5
lignature:		Date:
- Janne	Chung-Lung K. Shum	

Page 2 of 3

		Executed by Inventor 6	(()))
Signature:	Timothy J. Slegel	Date:	
, 		Executed by Inventor 7	
Signature:	Brian L. Smith	Date:	

Page 3 of 3

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[Inventor Signature Page(s) Follows]

Page 1 of 3

	Executed by Inventor 1	
Signature:	Mark S. Farrell	
	1Executed by Inventor 2	
Signature:	Date: Charles W. Gainey, Jr.	
	1Executed by Inventor 3	
Signature:	Marcel M. Mitran	
gan bergert och bergen och versterer och	Executed by Inventor 4	
Signature:	Damian L. Osisek	
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Signature:	Chung-Lung K. Shum	

Page 2 of 3

Executed by Inventor 6			
Signature:	Timothy J. Slegel	Date:	
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Signature;		Date:	

Brian L. Smith

Page 3 of 3

ASSIGNIVIENT

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TITLE OF THE INVENTION: RUN-TIME INSTRUMENTATION MONITORING FOR PROCESSOR CHARACTERISTIC CHANGES

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Serial Number:	13	1422,542	(insert series code and serial number here if/when available)

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[Inventor Signature Page(s) Follows]

Page 1 of 3

	IBM DOC	KET NUMBER: POU920120004US1
<u></u>	1Executed by Inventor 1	
Signature [.]	Data	
Signature,	Mark S. Farrell	
	1Executed by Inventor 2	·
Signature		
orginature.	Charles W. Gainey, Jr.	
	1Executed by Inventor 3	
Signature:	Date;Date;	
	Marcel M. Mitran	
¥	1Executed by Inventor 4	
Signature:	Date: Date:	
	1Executed by Inventor 5	
Signature:	Chung-Lung K. Shum	

Page 2 of 3

	IBM DOCKET NUMBER: POU920120004US1
	1Executed by Inventor 6
Signature: Timothy J. Slege	Date:
	1Executed by Inventor 7
Signature:	Date: 3/16/2012
Brian L. Smith	> Date: <u>3//6/2012</u>



RECORDED: 04/27/2012