502333155 05/02/2013

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Patrick J. Meaney	03/14/2013
Glenn D. Gilda	03/14/2013
Eric E. Retter	03/18/2013
John S. Dodson	03/14/2013
Gary A. Van Huben	03/13/2013
Brad W. Michael	03/14/2013
Stephen J. Powell	03/14/2013

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:	13835485

CORRESPONDENCE DATA

Fax Number: 8602860115

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

Phone: 860-286-2929

Email: usptopatentmail@cantorcolburn.com

Correspondent Name: Cantor Colburn LLP

Address Line 1: 20 Church Street, 22nd Floor Hartford, CONNECTICUT 06103 Address Line 4:

ATTORNEY DOCKET NUMBER:	POU920130053US1
	PATENT

REEL: 030337 FRAME: 0340

502333155

NAME OF SUBMITTER:	Eric J. Baron	
Signature:	/Eric J. Baron/	
Date: 05/02/2013		
	This document serves as an Oath/Declaration (37 CFR 1.63).	
Total Attachments: 15 source=6OA2831#page1.tif source=6OA2831#page2.tif source=6OA2831#page3.tif source=6OA2831#page4.tif source=6OA2831#page5.tif source=6OA2831#page6.tif source=6OA2831#page7.tif source=6OA2831#page8.tif source=6OA2831#page9.tif source=6OA2831#page10.tif source=6OA2831#page11.tif source=6OA2831#page12.tif source=6OA2831#page12.tif source=6OA2831#page13.tif source=6OA2831#page14.tif source=6OA2831#page14.tif source=6OA2831#page15.tif		

PATENT REEL: 030337 FRAME: 0341

Title of Invention: SYNCHRONIZATION AND ORDER DETECTION IN A MEMORY SYSTEM

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):

[J United States application or PCT international application number $\frac{13/835,485}{1180}$ filed on $\frac{3-15-2013}{1180}$.

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 ("ASSIGNOR") 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 (herein referred to as the "ASSIGNEE"), a corporation of New York having a place of business at Armonk, New York, desires to acquire, and I desire to grant to the ASSIGNEE, 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 hereby sell or have sold, assign or have assigned, and otherwise transfer or have transferred to 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 the ASSIGNEE, its successors, legal representatives, and assigns, my entire worldwide right, title, and interest in and to the same to be held and enjoyed by the ASSIGNEE, 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 the ASSIGNEE, its successors, legal representatives, and assigns, whenever requested by the ASSIGNEE, its successors, legal representatives, or assigns.

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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: Patrick J. Meaney	
	Signature: Paters J. Meno	Date: 3/14/20/3
(2)	Legal Name of Inventor: Glenn D. Gilda	
	Signature:	_Date:
(3)	Legal Name of Inventor: Eric E. Retter	
	Signature:	Date:
(4)	Legal Name of Inventor: John S. Dodson	
	Signature:	Date:
(5)	Legal Name of Inventor: Gary A. Van Huben	
	Signature:	Date:

(6) Legal Name of Inventor: Brad W. Michael	
Signature:	Date:
(7) Legal Name of Inventor: Stephen J. Powell	
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: SYNCHRONIZATION AND ORDER DETECTION IN A MEMORY SYSTEM

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usendlzh

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[**United States application or PCT international application number _ filed on <u>3-15-2013</u> .

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(1) Legal Name of Inventor: Patrick J. Meaney	
Signature:	Date:
(2) Legal Name of Inventor: Glenn D. Gilda Signature:	Date: 3/14/[3
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Signature:	Date:
(4) Legal Name of Inventor; John S. Dodson	
Signature:	Date:
(5) Legal Name of Inventor: Gary A. Van Huben	
Signature:	Date:

(6)	Legal Name of Inventor:	Brad W. Michael	
	Signature;		_Date:
(7)	Legal Name of Inventor:	Stephen J. Powell	
	Signaturo		Date:

Title of Invention: SYNCHRONIZATION AND ORDER DETECTION IN A MEMORY SYSTEM

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):

[$\sqrt{}$ United States application or PCT international application number 13/835/485 filed on 3/15/2013.

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	Signature: En E' Pette.	Date: 3/18/13
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Title of Invention: SYNCHRONIZATION AND ORDER DETECTION IN A MEMORY SYSTEM

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Signature:	Date:

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Signature: Busa W McClaud	Date: 3/14/2012
(7) Legal Name of Inventor: Stephen J. Powell	
Signature:	Date: 3/14/13

Title of Invention: SYNCHRONIZATION AND ORDER DETECTION IN A MEMORY SYSTEM

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Page 1 of 3

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	Signature: Jacy 6 Var / 18	Date: 3/13/13

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

Page 2 of 3

(6) Legal Name of Inventor: Brad W. Michael		
Signature:	Date:	damperikkolomia widaya (haribiri eleka
(7) Legal Name of Inventor: Stephen J. Powell		
Signature:	Date:	

Page 3 of 3

PATENT REEL: 030337 FRAME: 0356