# 502745624 03/31/2014

## PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT		
ATURE OF CONVEYAN	CE:	ASSIGNMENT		
CONVEYING PARTY DA	TA			
		Name	Execution Date	
RONEN GROSMAN			03/28/2014	
MATTHEW A. HURAS			03/31/2014	
BRET R. OLSZEWSKI			03/26/2014	
KERILEY K. ROMANUFA	٩		03/28/2014	
AMER U. SACHEDINA			03/28/2014	
UN XUE			03/29/2014	
	ГА			
Name:	INTER	NATIONAL BUSINESS MACHINES CORF	PORATION	
Street Address:	NEW ORCHARD ROAD			
City:	ARMONK			
State/Country:	NEW YORK			
Postal Code:	10504			
PROPERTY NUMBERS	Total: 1			
Property Type		Number		
Property Type Application Number:		Number 14230185		
Application Number: CORRESPONDENCE D/ Fax Number: Correspondence will be	ATA		ccessful, it will be sent vi	
Application Number: CORRESPONDENCE DA Fax Number: Correspondence will be US Mail.	ATA	(607)429-4119	ccessful, it will be sent vi	
Application Number: CORRESPONDENCE DA Fax Number: Correspondence will be US Mail. Phone:	ATA	14230185 (607)429-4119 • <i>the e-mail address first; if that is unsu</i>	ccessful, it will be sent vi	
Application Number: CORRESPONDENCE DA Fax Number: Correspondence will be US Mail. Phone: Email: Correspondent Name:	ATA	14230185 (607)429-4119 <b>5 <i>the e-mail address first; if that is unsu</i></b> 408-463-5675 johnsodc@us.ibm.com IBM CORP - ENDICOTT DRAFTING CEN		
Application Number: CORRESPONDENCE DA Fax Number: Correspondence will be US Mail. Phone: Email: Correspondent Name: Address Line 1:	ATA	14230185 (607)429-4119 <b>b the e-mail address first; if that is unsu</b> 408-463-5675 johnsodc@us.ibm.com IBM CORP - ENDICOTT DRAFTING CEN 555 BAILEY AVENUE, J46/G4		
Application Number: CORRESPONDENCE DA Fax Number: Correspondence will be JS Mail. Phone: Email: Correspondent Name: Address Line 1:	ATA	14230185 (607)429-4119 <b>5 <i>the e-mail address first; if that is unsu</i></b> 408-463-5675 johnsodc@us.ibm.com IBM CORP - ENDICOTT DRAFTING CEN		
Application Number: CORRESPONDENCE D/ Fax Number: <i>Correspondence will be US Mail.</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 4:	ATA	14230185 (607)429-4119 <b>b the e-mail address first; if that is unsu</b> 408-463-5675 johnsodc@us.ibm.com IBM CORP - ENDICOTT DRAFTING CEN 555 BAILEY AVENUE, J46/G4		
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Application Number: CORRESPONDENCE D/ Fax Number: Correspondence will be	ATA	14230185 (607)429-4119 <b>o the e-mail address first; if that is unsu</b> 408-463-5675 johnsodc@us.ibm.com IBM CORP - ENDICOTT DRAFTING CEN 555 BAILEY AVENUE, J46/G4 SAN JOSE, CALIFORNIA 95141 CA920130113US1 TRENTICE V. BOLAR		

**Total Attachments: 9** 

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## 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: INCREASE DATABASE PERFORMANCE BY REDUCING REQUIRED COMMUNICATIONS AND INFORMATION TRANSFERS

As a below named inventor, I hereby declare that:

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

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, the undersigned inventor(s) has/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 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 or has sold, assigns or has assigned, and otherwise transfers or has transferred 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

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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 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.

(5)	) Legal Name of Inventor: As	uner U. Sachedina	
	Signature:		Date:
(6)	) Legal Name of Inventor: Xt	ın Xue	
	٤	•	

Signature:	Cro-L-2	Date	Mar 29	2014
	~~~~~~~~	 	*	

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#### (1) Legal Name of Inventor: Ronen Grosman

\_\_\_\_\_Date: <u>Merch 28</u>, 2414 Signature:

(2) Legal Name of Inventor: Matthew A. Huras

Signature: March 3/, 2014

(3) Legal Name of Inventor: Bret R. Olszewski

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

(4) Legal Name of Inventor: Keriley K. Romanufa

Signature: Unt from L Date: Munch 28, 2014

Page 2 of 3

### (5) Legal Name of Inventor: Aamer U. Sachedina

Signature: <u>Asached</u> <u>Date</u> <u>Har-zs/2</u> 14

(6) Legal Name of Inventor: Xun Xue

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

Page 3 of 3

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

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Page 1 of 3

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Date:

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

(1) Legal Name of Inventor: Ronen Grosman

(2)	Legal Name of Inventor:	Matthew A. Huras	
	Signature		 _Date:
(3)	Legal Name of Inventor:	Bret R. Olszewski	
	Signature: <u>Bad</u>	R Olym	Date: 3/26/2014

(4) Legal Name of Inventor: Keriley K. Romanufa

Date: Signature:\_\_

(2)

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# IBM DOCKET NUMBER CA920130113US1

(5) Legal Name of Inventor: Anmer U. Sachedina

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

(6) Legal Name of Inventor: Xun Xue

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

Page 3 of 3

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