PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date	
Yi Ge	06/15/2011	
Rui Hou	06/16/2011	
Wu Yu Hui	06/16/2011	
Liang Liu	06/15/2011	
Wei Liu	06/16/2011	

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:	13165926

CORRESPONDENCE DATA

Fax Number: (914)945-3281

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

Phone: 914-945-2220
Email: iplawyor@us.ibm.com

Correspondent Name: IBM CORPORATION, T.J. WATSON RESEARCH CE

Address Line 1: P.O. BOX 218

Address Line 4: YORKTOWN HEIGHTS, NEW YORK 10598

ATTORNEY DOCKET NUMBER:	CN920100034US1
NAME OF SUBMITTER:	Vazken Alexanian

Total Attachments: 6

PATENT REEL: 026474 FRAME: 0979 H \$10 00 131

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ASSIGNMENT

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

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 Pages Follow] Page 1 of 6

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Signature:	$-\gamma_i$	620			je digen
Signature:			***************************************	Date: 24/.	6.15
	(Yi Ge	}		•	

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Executed	I by Inventor 2 of 5
Signature: Rui Hru	Date: 2011-6-16
(Rui Hou)	

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PATENT

REEL: 026474 FRAME: 0983

Executed by 1	Inventor 3 of 5
Signature: Uh /h Hui	Date: 25/1.6.16
(Wu Yu Hui)	***************************************

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***************************************		Execute	d by Inventor	4 of 5		
	7.	*				
Signature:	Limi	Liu		Date:	2011 6.15	
	(Liang Lie)		***************************************	Water Comment		

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Executed by Inventor 5 of 5					
Signatore:	Wei Liu	Date: 2011. 6.16			
inginitie	(Wei Lin)	Date: 2011-0-16			

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RECORDED: 06/22/2011