501890913 04/17/2012

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
James V. Crain Jr.	04/02/2012
Mark C. H. Lamorey	04/02/2012
Christopher D. Muzzy	04/02/2012
Thomas M. Shaw	04/06/2012
David B. Stone	04/02/2012

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:	13448775

CORRESPONDENCE DATA

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via US Mail.

Correspondent Name: Hoffman Warnick LLC
Address Line 1: 75 State Street
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Address Line 4: Albany, NEW YORK 12207

ATTORNEY DOCKET NUMBER:	BUR920110179US1	
NAME OF SUBMITTER:	Meghan Q. Toner	PATENT

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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:

Title of the Invention: SEMICONDUCTOR TEST AND MONITORING STRUCTURE TO DETECT BOUNDARIES OF SAFE EFFECTIVE MODULUS

and further identified by the IBM I which an application for a United!	States Patent was executed concurrently herewith or was filed having:
Sorial Number:	(insert series code and serial number here if/when available)
business at Armonk, New York (h Inventor desires to grant to IBM, t	fachines Corporation, a corporation of New York having a place of erein referred to as "IBM"), desires to acquire, and each undersigned he entire worldwide right, title, and interest in and to the Invention and ations 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,

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[Inventor Signature Pages Follow]

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Executed by Inventor 1 of 5
Signature: Vans V. Crain Jr. Date: 4/2/12
Executed by Inventor 2 of 5
Signature: Date: 2/12:44:02 Mark C. H. Lamorey
Executed by Inventor 3 of 5
Signature: Date: Christopher D, Muzzy
Executed by Inventor 4 of _5
Signature: Date: Thomas M. Shaw
Executed by Inventor 5 of 5
Signature: David B. Stone

Page 2 of 2

REEL: 028059 FRAME: 0489

ASSIGNMENT

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and further identified by the IBM Downich an application for a United St	ocket Number provided above in the header of this Assignment, for lates Patent was executed concurrently herewith or was filed having:
Serial Number:	(insert series code and serial number here if/when available)
person of attitions, agw 1 Olk (light	chines Corporation, a corporation of New York having a place of ein referred to as "IBM"), desires to acquire, and each undersigned entire worldwide right, title, and interest in and to the Invention and ons and patents directed thereto;

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Signature:	James V. Crain Jr.	
manufacture supplies the supplies of the suppl	Executed by Inventor 2 of 5	
Signature:	Mark C. H. Lamorey	
***************************************	Executed by Inventor 3 of 5	
Signature: _	Christopher D. Muzzy Date: 4/2/2012	
**************************************	Executed by Inventor 4 of 5	
Signature; _	Thomas M. Shaw	
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Signature;	David B. Stone	

Page 2 of 2

ASSIGNMENT

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[Inventor Signature Pages Follow]

Page 1 of 2

	Executed by Inventor 1 of 5
Signature:	Date
	James V. Crain Jr.
	The court of the Towns of the St.
·	Executed by Inventor 2 of 5
Signature:	Mark C. H. Lamorey
	Mark C. H. Lamorey
	Executed by Inventor 3 of 5
Signature:	Christopher D. Muzzy
	Christopher D. Muzzy
	Executed by Inventor 4 of 5
	DACCRECK By Inventor 4 of 3
	$\sim 10^{\circ}$
Signature:	Shomas W. Shaw Date: 4/6/2012
oignature.	Thomas M. Shaw
•	I HOMAS II. Shary
	Executed by Inventor 5 of _5_
Signature:	
	David B. Stone

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