PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Louis L. Hsu	10/29/2007
Hayden C. Cranford Jr.	10/29/2007
Oleg Gluschenkov	11/06/2007
James S. Mason	11/05/2007
Michael A. Soma	10/30/2007
Chih-Chao Yang	10/29/2007

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:	11985966

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FIS920050113US2

REEL: 023663 FRAME: 0215

Zip 482

ATTORNEY DOCKET NUMBER:

PATENT

501043049

NAME OF SUBMITTER: H. Daniel Schnurmann Total Attachments: 7 source=FIS920050113US2_assignment#page1.tif source=FIS920050113US2_assignment#page2.tif source=FIS920050113US2_assignment#page3.tif source=FIS920050113US2_assignment#page4.tif source=FIS920050113US2_assignment#page5.tif source=FIS920050113US2_assignment#page6.tif source=FIS920050113US2_assignment#page7.tif

PATENT REEL: 023663 FRAME: 0216

PATENT ASSIGNMENT FORM

For and in consideration of good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned inventor acknowledges his/her prior and ongoing obligation to sell, assign, and transfer, and agrees to sell, assign, and transfer the entire world wide right, title and interest for the United States and all foreign countries, in and to any and all inventions and improvements conceived during and within the scope of his/her employment, and further acknowledges that he/she has sold, assigned, and transferred, and hereby sells, assigns, and transfers, unto:

INTERNATIONAL BUSINESS MACHINES CORPORATION ("IBM"), Armonk. New York 10504

a corporation of New York, and IBM desires to acquire all right, title, and interest, in and to the certain inventions (identified below), applications, and any United States and foreign petents to be obtained therefor relating to:

(identified below), applications, and any United States and foreign	patents to be obtained therefor relating to:
Title of Invention for United States Patent	
DESIGN STRUCTURE FOR ON-CHIP ELECTRON	AIGRATION MONITORING SYSTEM
As set forth in United States Patent Application executed by each	
each inventor's signature below, and further identified by Attorney	
(select one):	Filed on
for and to said United States Patent Application including any and any and all Letters Patent of the United States and foreign patents	

term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made;

which may issue on any such application or for said invention therein disclosed, including any and all reissues or extensions thereof, to be held and enjoyed by, its successors, legal representatives and assigns to the full end of the

Each undersigned inventor hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters Patent to IBM, its successors and assigns, in accordance herewith;

Each undersigned inventor warrants and covenants that he/she has the full and unencumbered right to sell and assign the interests hereby sold and assigned and that he/she has not executed and will not execute any document or instrument in conflict herewith:

Each undersigned inventor further covenants and agrees that he/she, upon the request and at the expense of IBM, will execute and deliver any papers, make all rightful oaths, testify in any legal proceeding relating to said inventions and improvements, communicate to IBM all facts known to the undersigned relating to such inventions and improvements and the history thereof; and perform all other lawful acts deemed necessary or desirable by IBM, and its legal representatives, to secure, maintain, and enforce patent protection for such inventions and improvements and for vesting title to such inventions and improvements in IBM, and in particular to perfect title to said above-identified certain inventions, and applications including divisions and continuations thereof, and any and all Letters Patent which may be granted therefor or thereon, including reissues, extensions, or counterparts;

Each undersigned inventor hereby grants to IBM the power to insert in this Assignment any further identification 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.

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PATENT DOCKET NO. FIS920050113U82

Executed by Inventor 1 of 6	
Signature: Louis L. Heu	Date: 10 - 29 - 2007
Executed by Inventor 2 of 6	
Signature:Hayden C. Cranford, Jr.	Date:
Executed by Inventor 3 of 6	
Signature: Oleg Gluechenkov	Date:
Executed by Inventor 4 of 6	
Signature:	Date:
Executed by Inventor 5 of 6	
Signature: Michael A. Sorna	Date:
Executed by Inventor 6 of 6	
Signature: Chih-Cheo Yang	Date:

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REEL: 023663 FRAME: 0218

	•	PATENT DOCKET NO. FIS920050113U82
<u> </u>	cuted by inventor 1 of 6	
Signature:	Louie L. Hau	Date:
Exe	cuted by inventor 2 of 6	
Signature:	Hayden C. Cremford / Hayden G. Grandord, Jr.	Dete: 10/29/2007
Exec	cuted by Inventor 3 of 6	
	Clog Gluschenkov	Date:
Exte	custed by Inventor 4 of 6	
Signature:	James & Meson	Date:
Exe	muted by Inventor 5 of 5	
	Michael A. Sorna puted by Inventor C of C	Date:
	Chilh-Chao Yang	Deta:

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REEL: 023663 FRAME: 0219

		PATENT DOCKET NO	P. FIS920050113US2
Executed by invento	r 1 of 6		
Signature:Louis L. Ha	U	Date:	
Executed by invento	er 2 of 6		
Signature:Hayden C. C	Granford, Jr.	Date:	
Executed by Invento	or 3 of 6		· · · · · · · · · · · · · · · · · · ·
Signature: Oleg Gluec	henkov	Date: 11/6 /	2007
Executed by Invento	or 4 of 6		
Signature:	eson	Date:	
Executed by Inventor	or 5 of 6		
	Sorna		
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Signature: Chih-Chao	Yang	Date:	

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REEL: 023663 FRAME: 0220

	PATENT DOCKET NO. PISS20060113UB2
Executed by Inventor 1 of 6	
Signature:	Dete:
Emograted by Imperior 2 of 6	
Signature:Hayden G. Granibrd, Jr.	Defic:
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Signature:Clog @luechenkev	
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Signature: James S. Mason	Dots: 5th November 200
Executed by Inventor 6 of 6	
Signature:	Date:
Supervised by Inventor 6 of 6	
Signature:Chih-Chiae Yang	Data:

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PATENT DOCKET NO. FIS920050113US2

Executed by Inventor 1 of 6	
Signature:Louis L. Heu	Date:
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Signature: Hayden C. Cranford, Jr.	Date:
Executed by Inventor 3 of 6	
Signature: Oleg Gluschenkov Executed by Inventor 4 of 6	Date:
Signature:	Date:
Signature: Mitchael A. Sorne Executed by Inventor 6 of 6	
Signature:Chih-Chao Yang	Date:

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•	PATENT DOCKET NO. FIRB20050113U82
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Signature:Louis L. Heu	Date:
Executed by inventor 2 of 6	·
Signature:Hayden C. Crenford, Jr.	Date:
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Signature: Cleg Gluechenkov	Dete:
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Signature:	Date:
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Signature: Michael A. Soma	Date:
Executed by Inventor 6 of 6	
Signature: LLL-LLa 7	Date: 10/29/2007

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