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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Solomon Assefa	04/09/2008
William J. Gallagher	04/29/2008
Chung H. Lam	04/29/2008
Jonathan Z. Sun	04/10/2008

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:	12118441

CORRESPONDENCE DATA

Fax Number: (404)607-9981

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

Phone: 404-607-9991

Email: djohnson-davis@cantorcolburn.com

Correspondent Name: Cantor Colburn, LLP
Address Line 1: 20 Church Street

Address Line 2: 22nd Floor

Address Line 4: Hartford, CONNECTICUT 06103

ATTORNEY DOCKET NUMBER:	YOR920070511US1
NAME OF SUBMITTER:	Blake I. Dorr

Total Attachments: 3

PATENT REEL: 020932 FRAME: 0084

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ASSIGNMENT

Whereas, we

- (1) Solomon Assefa of Ossining, County of Westchester and State of New York 10562,
- (2) William J. Gallagher of Ardsley, County of Westchester and State of New York 10502,
- (3) Chung H. Lam of Peekskill, County of Westchester and State of New York 10566,
- (4) Jonathan Z. Sun of Shrub Oak, County of Westchester and State of New York 10588,

have invented certain improvements in

SYSTEMS INVOLVING SPIN-TRANSFER MAGNETIC RANDOM ACCESS MEMORY

and executed, respectively, a United States patent application therefore on

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefore;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and in all foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

Signed and sealed	,	
	on outlong	, 2008
Solomon Asseta		
	on	, 2008
William J. Gallagher		
	on	, 2008
Chung H. Lam	_	
	on	, 2008
Jonathan Z. Sun		

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Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and in all foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

Signed and sealed		
	on, 2008	3
Solomon Aspera		
Wry Alles	on April 29, , 2008	3
William I. Gallagher	1 7 7 3	
Ching A- Jam	on Hyri 1 21, 2008	3
Chung H. Lah		
	on, 2008	3
Jonathan Z. Sun		

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(1)	, 2008, (2)	, 2008
(3)	, 2008, (4) <u>A</u>	pil10, , 2008

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Signed and sealed		
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Solomon Assefa		
	on, 200	8
William J. Gallagher		
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Chung H. Lam	on <i>Ogoni 10</i> , 200	8
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RECORDED: 05/12/2008