

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Solomon Assefa</td><td>08/13/2007</td></tr><tr><td>Michael C. Gaidis</td><td>08/10/2007</td></tr><tr><td>Eric A. Joseph</td><td>08/14/2007</td></tr><tr><td>Stuart Stephen Papworth Parkin</td><td>08/13/2007</td></tr><tr><td>Christy S. Tyberg</td><td>08/09/2007</td></tr></tbody></table>	Name	Execution Date	Solomon Assefa	08/13/2007	Michael C. Gaidis	08/10/2007	Eric A. Joseph	08/14/2007	Stuart Stephen Papworth Parkin	08/13/2007	Christy S. Tyberg	08/09/2007	
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Christy S. Tyberg	08/09/2007												
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													
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11838663</td></tr></tbody></table>	Property Type	Number	Application Number:	11838663									
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CORRESPONDENCE DATA													
Fax Number: (732)530-9808 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
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Address Line 4: Shrewsbury, NEW JERSEY 07702													
ATTORNEY DOCKET NUMBER:	YOR920070073US1												
NAME OF SUBMITTER:	Kin-Wah Tong, Esq.												

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PATENT  
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**Total Attachments: 4**

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**Assignment**

Whereas, we

INVENTOR AND CITY	(1) Solomon Assefa County of Westchester	of Elmsford and State of New York
INVENTOR AND CITY	(2) Michael C. Gaidis County of Dutchess	of Wappingers Falls and State of New York
INVENTOR AND CITY	(3) Eric A. Joseph County of Westchester	of White Plains and State of New York
INVENTOR AND CITY	(3) Stuart Stephen Papworth Parkin County of Santa Clara	of San Jose and State of California
INVENTOR AND CITY	(3) Christy S. Tyberg County of Putnam	of Mahopac and State of New York

have invented certain improvements in

**METHOD AND APPARATUS FOR FABRICATING SUB-LITHOGRAPHY DATA  
TRACKS FOR USE IN MAGNETIC SHIFT REGISTER MEMORY DEVICES**  
and executed, respectively, a United States patent application therefore on

DATES THAT	(1) Solomon Assefa,	Aug 13, 2007
INVENTORS	(2) Michael C. Gaidis,	Aug 10, 2007
SIGNED THE	(3) Eric A. Joseph,	Aug 14, 2007
DECLARATION	(3) Stuart Stephen Papworth Parkin,	, 2007
	(3) Christy S. Tyberg,	Aug 9, 2007

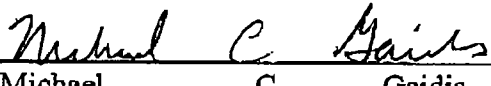
Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504 (hereinafter called "IBM"), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents 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, including all rights to claim priority resulting from the filing of said United States application, and to any and all improvements in which are disclosed in the 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

CITY AND  
DATE (1) at Yorktown Heights, NY  
on Aug 13, 2007  (Signature)  
Solomon Assefa (Inventor)  
FIRST NAME MIDDLE INITIAL LAST NAME

CITY AND  
DATE (2) at Yorktown Hts., NY  
on Aug. 10, 2007  (Signature)  
Michael C. Gaidis (Inventor)  
FIRST NAME MIDDLE INITIAL LAST NAME

CITY AND  
DATE (3) at Yorktown Hts., NY  
on Aug. 14, 2007  (Signature)  
Eric A. Joseph (Inventor)  
FIRST NAME MIDDLE INITIAL LAST NAME

CITY AND  
DATE (4) at  
on , 2007  (Signature)  
Stuart Stephen Papworth Parkin (Inventor)  
FIRST NAME MIDDLE INITIAL LAST NAME

CITY AND  
DATE (5) at Yorktown Hts., NY  
on Aug 9, 2007  (Signature)  
Christy S. Tyberg (Inventor)  
FIRST NAME MIDDLE INITIAL LAST NAME

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*August 17*

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