

**PATENT ASSIGNMENT**

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Jonathan Randall Hinkle	07/30/2008
Justin Potok Bandholz	07/30/2008
<b>RECEIVING PARTY DATA</b>	
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<b>City:</b>	Armonk
<b>State/Country:</b>	NEW YORK
<b>Postal Code:</b>	10504
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	12184430
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<b>Total Attachments: 1</b>	
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ASSIGNMENT

Whereas, I,

(1) Jonathan Randall Hinkle  
County of Wake

City of Raleigh  
and State of North Carolina

(2) Justin Potok Bandholz  
County of Wake

City of Cary  
and State of North Carolina

have invented certain improvements in

ENCODED CHIP SELECT FOR SUPPORTING MORE MEMORY RANKS

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

(Dates Inventors Signed Declaration) (1) 7/30, 2008; (2) 7/30, 2008.

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 invention 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.

1) Signed at Raleigh, NC on 7/30/, 2008.  
(City) (Date)

Jonathan Randall Hinkle  
Jonathan Randall Hinkle

(2) Signed at RTP, NC on 7/30, 2008.  
(City) (Date)

Justin Potok Bandholz  
Justin Potok Bandholz