

PATENT ASSIGNMENT

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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>Zvonimir Z. Bandic</td> <td>01/30/2012</td> </tr> <tr> <td>Luiz M. Franca-Neto</td> <td>01/26/2012</td> </tr> <tr> <td>Cyril Guyot</td> <td>01/26/2012</td> </tr> <tr> <td>Robert Eugeniu Mateescu</td> <td>01/26/2012</td> </tr> </tbody> </table>		Name	Execution Date	Zvonimir Z. Bandic	01/30/2012	Luiz M. Franca-Neto	01/26/2012	Cyril Guyot	01/26/2012	Robert Eugeniu Mateescu	01/26/2012
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RECEIVING PARTY DATA											
Name:	Hitachi Global Storage Technologies Netherlands B.V.										
Street Address:	Locatellikade 1, Parnassustoren										
City:	1076 AZ Amsterdam, Netherlands										
State/Country:	NETHERLANDS										
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>13361905</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13361905						
Property Type	Number										
Application Number:	13361905										
CORRESPONDENCE DATA											
Fax Number:	(312)670-7864										
Phone:	312-670-0736										
Email:	jpenningtonatty@cs.com										
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>											
Correspondent Name:	Joan Pennington										
Address Line 1:	535 N. Michigan Avenue										
Address Line 2:	Unit 1804										
Address Line 4:	Chicago, ILLINOIS 60611										
ATTORNEY DOCKET NUMBER:	HSJ920110119US1										
NAME OF SUBMITTER:	Joan Pennington										
Total Attachments: 1 source=HSJ920110119US1_Assignment_01-30-12#page1.tif											

CH \$40.00 13361905

ASSIGNMENT FOR PATENT APPLICATION

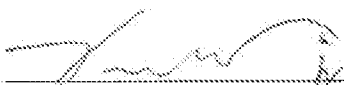

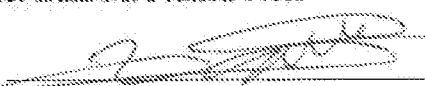
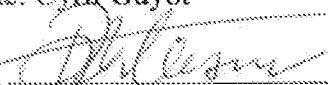
Whereas, I/we the undersigned inventor(s) have invented certain improvements as set forth in the patent application entitled:

IMPLEMENTING ENHANCED DATA WRITE FOR MULTI-LEVEL CELL (MLC) MEMORY USING VOLTAGE-DRIFT TOLERANT MOVING BASELINE WRITE-ONCE MEMORY DATA ENCODING

Whereas, **Hitachi Global Storage Technologies Netherlands B.V.**, having a place of business at Locatellikade 1, Parnassustoren, 1076 AZ Amsterdam, The Netherlands (hereinafter referred to as "HITACHI"), 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, I/we, the above named, hereby sell, assign, and transfer to HITACHI, 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 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 HITACHI, its successors and assigns; and we hereby agree that HITACHI 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 HITACHI.

Signed on the date(s) indicated beside my (our) signature(s).

- 1) Signature: 
Typed Name: Zvonimir Z. Bandic Date: 01/30/2012
- 2) Signature: 
Typed Name: Luiz M. Franca-Neto Date: 01/26/2012
- 3) Signature: 
Typed Name: Cyril Guyot Date: 01/26/2012
- 4) Signature: 
Typed Name: Robert Eugeniu Mateescu Date: 01/26/2012