

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Bruce A. Wilson</td> <td>07/15/2008</td> </tr> <tr> <td>Jorge Campello de Souza</td> <td>07/23/2008</td> </tr> <tr> <td>Mario Blaum</td> <td>07/15/2008</td> </tr> <tr> <td>Ivana Djurdjevic</td> <td>07/15/2008</td> </tr> <tr> <td>Jihoon Park</td> <td>07/15/2008</td> </tr> </tbody> </table>		Name	Execution Date	Bruce A. Wilson	07/15/2008	Jorge Campello de Souza	07/23/2008	Mario Blaum	07/15/2008	Ivana Djurdjevic	07/15/2008	Jihoon Park	07/15/2008
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RECEIVING PARTY DATA													
Name:	Hitachi Global Storage Technologies Netherlands B.V.												
Street Address:	Locatellikade 1												
Internal Address:	Parnassustoren												
City:	1076 AZ Amsterdam												
State/Country:	NETHERLANDS												
PROPERTY NUMBERS Total: 1													
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12196758</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12196758								
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CORRESPONDENCE DATA													
Fax Number:	(303)786-7691												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
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Correspondent Name:	Brett Bornsen												
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ATTORNEY DOCKET NUMBER:	HSJ920080035US1												
NAME OF SUBMITTER:	Gregory T. Fettig												

CH \$40.00 12196758

Total Attachments: 1
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ASSIGNMENT FOR PATENT APPLICATION

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

ERROR CONTROL IN A FLASH MEMORY DEVICE

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: Bruce Wilson Date: 7/15/2008
Bruce A. Wilson
- 2) Signature: Jorge Campello de Souza Date: 07/23/2008
Jorge Campello de Souza
- 3) Signature: Mario Blaum Date: 7/15/2008
Mario Blaum
- 4) Signature: Ivana Djurdjevic Date: 07/15/2008
Ivana Djurdjevic
- 5) Signature: Jihoon Park Date: 7/15/2008
Jihoon Park