

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>John Contreras</td> <td>08/05/2010</td> </tr> <tr> <td>Tatemi Ido</td> <td>06/29/2010</td> </tr> <tr> <td>Nobumasa Nishiyama</td> <td>07/01/2010</td> </tr> <tr> <td>Xinzhi Xing</td> <td>07/18/2010</td> </tr> </tbody> </table>		Name	Execution Date	John Contreras	08/05/2010	Tatemi Ido	06/29/2010	Nobumasa Nishiyama	07/01/2010	Xinzhi Xing	07/18/2010
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RECEIVING PARTY DATA											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>HITACHI GLOBAL STORAGE TECHNOLOGIES NETHERLANDS B.V.</td> </tr> <tr> <td>Street Address:</td> <td>Locatellikade 1, Parnassustoren, 1076 AZ</td> </tr> <tr> <td>City:</td> <td>Amsterdam</td> </tr> <tr> <td>State/Country:</td> <td>NETHERLANDS</td> </tr> </table>		Name:	HITACHI GLOBAL STORAGE TECHNOLOGIES NETHERLANDS B.V.	Street Address:	Locatellikade 1, Parnassustoren, 1076 AZ	City:	Amsterdam	State/Country:	NETHERLANDS		
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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>12851827</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12851827						
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CORRESPONDENCE DATA											
<p>Fax Number: (713)623-4846</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 7136234844</p> <p>Email: jjong@pattersonsheridan.com</p> <p>Correspondent Name: Joseph M. Jong</p> <p>Address Line 1: 3040 Post Oak Blvd., Suite 1500</p> <p>Address Line 4: Houston, TEXAS 77056</p>											
ATTORNEY DOCKET NUMBER:	HSJ920100003US1										
NAME OF SUBMITTER:	Joseph M. Jong										
<p>Total Attachments: 3</p> <p>source=HSJ920100003US1_Assignment#page1.tif</p> <p>source=HSJ920100003US1_Assignment#page2.tif</p>											

CH \$40.00 12851827

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PATENT
REEL: 024802 FRAME: 0132

ASSIGNMENT FOR PATENT APPLICATION

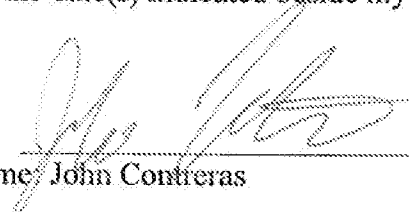
Whereas, I/we the undersigned inventor(s) have invented certain improvements as set forth in the patent application entitled:

READ PATH COMPENSATION FOR SNR AND SIGNAL TRANSFER

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: John Contreras

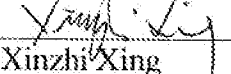
Date: 8/5/10

2) Signature: _____
Typed Name: Tatemi Ido

Date: _____

3) Signature: _____
Typed Name: Nobumasa Nishiyama

Date: _____

4) Signature: 
Typed Name: Xinzhi Xing

Date: 7/18/2010

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

- 1) Signature: _____ Date: _____
Typed Name: John Contreras
- 2) Signature: Tatemi Ido Date: 6/29/2010
Typed Name: Tatemi Ido
- 3) Signature: _____ Date: _____
Typed Name: Nobumasa Nishiyama
- 4) Signature: _____ Date: _____
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- 1) Signature: _____ Date: _____
Typed Name: John Contreras
- 2) Signature: _____ Date: _____
Typed Name: Tatemi Ido
- 3) Signature: Nobumasa Nishiyama Date: Jul 1, 2010
Typed Name: Nobumasa Nishiyama
- 4) Signature: _____ Date: _____
Typed Name: Xinzhi Xing