

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Jeffrey R. Childress	08/30/2011
John C. Read	08/25/2011
Neil Smith	08/30/2011
RECEIVING PARTY DATA	
Name:	Hitachi Global Storage Technologies Netherlands B.V.
Street Address:	Locatellikade 1, Parnassustoren, 1076 AZ
City:	Amsterdam
State/Country:	NETHERLANDS
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13222827
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	HSJ920110020US1
NAME OF SUBMITTER:	C. Alexandra Livingston
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ASSIGNMENT FOR PATENT APPLICATION

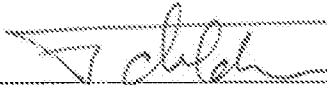
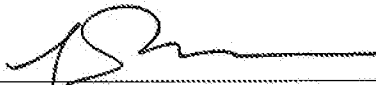
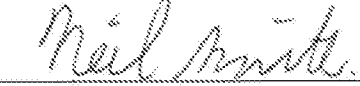
Whereas, I/we the undersigned inventor(s) have invented certain improvements as set forth in the patent application entitled:

CPP-GMR SENSOR WITH CORROSION RESISTENT SPACER LAYER AND HIGHER SIGNAL/NOISE RATIO

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:  Date: 8/30/2011
Typed Name: Jeffrey R. Childress
- 2) Signature:  Date: 8/25/2011
Typed Name: John C. Read
- 3) Signature:  Date: 8/30/11
Typed Name: Neil Smith