

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Ying Hong	12/02/2008
Kochan Ju	10/29/2008
Tsann Lin	10/29/2008
Ching Hwa Tsang	10/30/2008
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	
Property Type	Number
Application Number:	12332010
CORRESPONDENCE DATA	
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<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
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Correspondent Name:	Zilka-Kotab, PC
Address Line 1:	P.O. Box 721120
Address Line 4:	San Jose, CALIFORNIA 95172
ATTORNEY DOCKET NUMBER:	HSJ920070248US1/HIT1P332
NAME OF SUBMITTER:	Dominic M. Kotab
Total Attachments: 3 source=HSJ9-2007-0248US1 Executed Assignment#page1.tif	

CH \$40.00 12332010

500746703

PATENT
REEL: 022064 FRAME: 0608

ASSIGNMENT OF PATENT APPLICATION

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

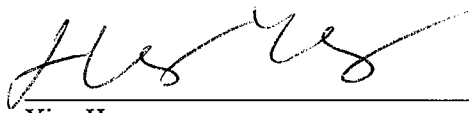
LOW RESISTANCE TUNNEL MAGNETORESISTANCE (TMR) STRUCTURE

(Atty. Docket No.: HIT1P332/HSJ920070248US1) for which I (we) have executed an application for a United States Letters Patent.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/we the undersigned inventor(s) hereby:

- 1) Sell(s), assign(s) and transfer(s) to **Hitachi Global Storage Technologies Netherlands B.V.**, a corporation having a place of business at Locatellikade 1, Parnassustoren, 1076 AZ Amsterdam, The Netherlands, (hereinafter referred to as "ASSIGNEE"), the entire right title and interest in any and all improvements and inventions disclosed in, application(s) based upon, and Patent(s) (including foreign patents) granted upon the information which is disclosed in the above referenced application.
- 2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application or any division(s), continuation(s), substitutes(s) or reissue(s) thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative and applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon the inventor(s), as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I/we have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

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

- 1) Signature: 
Typed Name: Ying Hong Date: 12/2/2008
- 2) Signature: _____
Typed Name: Kochan Ju Date: _____

ASSIGNMENT OF PATENT APPLICATION

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

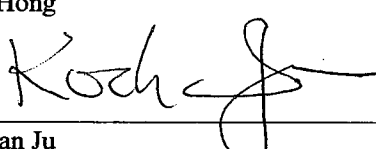
LOW RESISTANCE TUNNEL MAGNETORESISTANCE (TMR) STRUCTURE

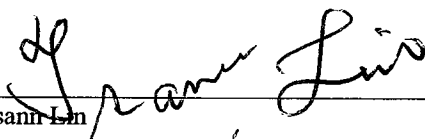
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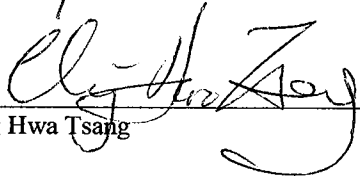
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- 5) Warrant and represent that I/we have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

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

- | | | |
|----|--|------------------|
| 1) | Signature: _____ | Date: _____ |
| | Typed Name: Ying Hong | |
| 2) | Signature:  _____ | Date: 10/29/2008 |
| | Typed Name: Kochan Ju | |

3) Signature: 
Typed Name: Tsann Lin

Date: 10/29/2008

4) Signature: 
Typed Name: Ching Hwa Tsang

Date: 10/30/2008