PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Young Pil Kim	11/17/2008
Chulmin Jung	11/17/2008
Hyung-Kew Lee	11/17/2008
Insik Jin	11/17/2008
Michael Xuefei Tang	11/17/2008

RECEIVING PARTY DATA

Name:	SEAGATE TECHNOLOGY LLC
Street Address:	920 Disc Drive
City:	Scotts Valley
State/Country:	CALIFORNIA
Postal Code:	95066

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12272896

CORRESPONDENCE DATA

Fax Number: (651)259-6701

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 6512596705

Email: dlagro@cnwiplaw.com

Correspondent Name: Mara E. DeBoe
Address Line 1: 408 St. Peter Street

Address Line 2: Suite 240

500707724

Address Line 4: St. Paul, MINNESOTA 55102

ATTORNEY DOCKET NUMBER: 1011.14691.00

NAME OF SUBMITTER: Mara E. DeBoe

PATENT

REEL: 021852 FRAME: 0010

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Total Attachments: 5
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PATENT REEL: 021852 FRAME: 0011

ASSIGNMENT

WHEREAS, WE,

- (1) Young Pil Kim, residing at 9151 Victoria Drive, Eden Prairie, Minnesota 55347;
- (2) <u>Chulmin Jung</u>, residing at 15525 June Grass Lane, Eden Prairie, Minnesota 55347;
- (3) Hyung-Kew Lee, residing at 6400 Barrie Road, Apt. 805, Edina, Minnesota 55435;
- (4) Insik Jin, residing at 1569 Johnny Cake Alcove, Eagan, Minnesota 55122; and
- (5) Michael Xuefei Tang, residing at 7850 W. 95th Street, Bloomington, Minnesota 55438,

have invented certain improvements in MAGNETIC MEMORY WITH MAGNETIC TUNNEL JUNCTION CELL SETS for which We have executed an application for Letters Patent of United States of America,

\boxtimes	is attached hereto.		
	was filed on	as United States Application No;	and

WHEREAS We hereby authorize and request the Assignee, Seagate Technology LLC, to insert the filing date and application number of said application when known; and

WHEREAS, Seagate Technology LLC, a company organized and existing under the laws of the State of Delaware and having a principal place of business at 920 Disc Drive, Scotts Valley, California 95066, hereinafter referred to as "Company," is desirous of acquiring the entire right, title and interest in and to said invention for the United States and for all foreign countries and in and to any and all foreign and domestic Letters Patent which may be granted therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, We have sold, assigned, transferred and set over and by these presents do sell, assign, transfer and set over unto Company, its successors and assigns, the entire right, title and interest in and to said invention and the entire right, title and interest in and to any and all Letters Patent of the United States (including, without limitation, every patent application identified above) and any foreign countries which may be granted therefor including my rights under the International Convention for the Protection of Industrial Property, and in and to any and all extensions, divisions, continuations, continuations-in-part or reissues of said Letters Patent that may be granted, the same to be held and enjoyed by Company for its own use and benefit and use and benefit of its successors and assigns to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me had this assignment and sale not been made;

AND, for the consideration aforesaid, we materially represent to Company, its successors and assigns, that at the time of the execution and delivery of these presents, We are the lawful owners of the entire right, title and interest in and to the invention, application and Letters Patent above mentioned, and that the same are unencumbered, and that we have good right and lawful authority to sell and convey the same in the manner herein set forth;

AND, for the consideration aforesaid, we hereby individually covenant and agree to and with Company, its successors and assigns, that whenever its counsel or the counsel of its successors or assigns, learned in the law, shall advise that an amendment or division of, or continuation or any continuation-in-part thereof, or any other proceeding in connection with the filing or prosecution of said domestic or foreign patent applications, including interference proceedings, is lawful and desirable, or that a reissue of extension of said Letters Patent is lawful and desirable, we, or my executors, administrators or assigns will sign all papers and drawings, take all rightful oaths, and do all acts necessary or required to be done for the procurement of valid Letters Patent for said invention, or for the reissue or extension of the same, without charge to Company, its successors or assigns, but at Company's expense.

We hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Company in accordance with this instrument.

IN WITNESS WHEREOF, We have hereunto set my hand on this
STATE OF MINNESOTA)
STATE OF WHINESOTA
COUNTY OF Henrepin) ss.
On this
Pil Kim, to me known to be the person described in and who executed the foregoing instrument and
acknowledged that he executed the same as his free act and deed.
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IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.
Teresa Marie Teldstein
Notary Public
TERESA MARIE FELDSTEIN NOTARY PUBLIC

[SEAL]

MINNESOTA

My Commission Expires Jan. 31, 2011

IN WITNESS WHEREOF, I have hereunto set my hand on this
MMQ.
Chulmin Jung
STATE OF MINNESOTA) OF HEMMERIA OF SERVICE OF SERVIC
On this
IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.
TERESA MARIE FELDSTEIN NOTARY PUBLIC MINNESOTA My Commission Expires Jan. 31, 2011 [SEAL]
IN WITNESS WHEREOF, I have hereunto set my hand on this day of
STATE OF MINNESOTA)) ss. COUNTY OF Hennepia)
On this 1744 day of November, 2008, before me personally appeared Hyung-Kew Lee, to me known to be the person described in and who executed the foregoing instrument and acknowledged that he executed the same as his free act and deed.

IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day
and year above written.
TERESA MARIE FELDSTEIN NOTARY PUBLIC MINNESOTA My Commission Expires Jan. 31, 2011
IN WITNESS WHEREOF, I have hereunto set my hand on this
<u>Insik Jin</u>
STATE OF MINNESOTA) SS. COUNTY OF HEAMER)
On this
IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.
TERESA MARIE FELDSTEIN NOTARY PUBLIC MINNESOTA My Commission Expires Jan. 31, 2011

[SEAL]

IN WITNESS WHEREOF, I have hereunto set my hand on this day of, 2008.
Michael Xuefei Tang
Michael Xuefei Tang
STATE OF MINNESOTA) SSS. COUNTY OF HEMPEN)
COUNTY OF HEALTH)
On this
TERESA MARIE FELDSTEIN NOTARY PUBLIC MINNESOTA My Commission Expires Jan. 31, 2011
[SEAL]

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RECORDED: 11/18/2008

This is the final page of this Assignment.

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