

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>Kaizhong Gao</td> <td>11/25/2008</td> </tr> <tr> <td>Bin Lu</td> <td>11/18/2008</td> </tr> <tr> <td>Bogdan Florin Valcu</td> <td>11/25/2008</td> </tr> <tr> <td>Xiaoding Ma</td> <td>11/25/2008</td> </tr> </tbody> </table>		Name	Execution Date	Kaizhong Gao	11/25/2008	Bin Lu	11/18/2008	Bogdan Florin Valcu	11/25/2008	Xiaoding Ma	11/25/2008
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Kaizhong Gao	11/25/2008										
Bin Lu	11/18/2008										
Bogdan Florin Valcu	11/25/2008										
Xiaoding Ma	11/25/2008										
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											
<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>12324629</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12324629						
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CORRESPONDENCE DATA											
Fax Number:	(415)814-6165										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	415-814-6161										
Email:	amy.drury@novakdruce.com										
Correspondent Name:	NOVAK DRUCE + QUIGG LLP										
Address Line 1:	525 Market Street, Suite 3750										
Address Line 4:	SAN FRANCISCO, CALIFORNIA 94105										
ATTORNEY DOCKET NUMBER:	8209.090.NPUS00										
NAME OF SUBMITTER:	James Remenick										
<p>Total Attachments: 5 source=8209_090_NPUS00_signed_Assignment#page1.tif</p>											

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ASSIGNMENT

WHEREAS we, the below named inventors Kaizhong Gao, Bin Lu, Bogdan Florin Valcu, and Xiaoding Ma, (hereinafter referred to as the ASSIGNORS), have invented certain new and useful improvements in and to the subject matter of:

RECORDING MEDIA WITH REDUCED MAGNETIC HEAD KEEPER SPACING, HEAD MEDIA SPACING, OR HEAD TO SOFT UNDERLAYER SPACING

as described in U.S. Patent Application No. (to be assigned), filed on even date herewith; and any corresponding provisional, International, Regional and National Stage Applications;

AND, WHEREAS, Seagate Technology LLC, a limited liability company organized under the laws of the State of Delaware, having a place of business located at 920 Disc Drive, Scotts Valley, California 95066 (hereinafter "ASSIGNEE"), is desirous of acquiring certain rights to the improvements and under the application;

NOW, THEREFORE, in view of good and valuable consideration, the receipt and sufficiency of which we hereby acknowledge, we do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, our entire right, title and interest in and throughout the United States of America (including its territories and dependencies) and all countries foreign thereto in and to said improvements, said United States application, any other United States applications, including provisional, divisional, renewal, substitute, continuation, continuation-in-part, reexamination and reissue applications, based in whole or in part on said United States application or in whole or in part on said improvements, any foreign applications, including international and regional applications, based in whole or in part on any of the aforesaid United States applications or in whole or in part on said improvements, and in and to any and all letters patent, including extensions thereof, of any country which have been or may be granted on any of the aforesaid applications or on said improvements or any parts thereof;

AND we hereby authorize and request our agents, Novak Druce & Quigg LLP, whose address is 1300 I Street, N.W., Suite 1000 West Tower, Washington, D.C. 20005, to insert hereon any identification necessary or desirable for recordation of this document, including the filing date and application number of said application when known.

AND we hereby agree for ourselves and our heirs, executors and administrators to execute without further consideration any further documents and instruments which may be necessary, lawful and proper in the prosecution of said above-referenced application or in the preparation or prosecution of any continuing including continuing-in-part, substitute, divisional, renewal, reexamination or reissue application or in any amendments, extensions or interference proceedings, or other applications for patents of any region or country, that may be necessary to secure to ASSIGNEE its interest and title in and to said improvements or any parts thereof, and in and to said several patents or any of them;

AND we hereby covenant for ourselves and our legal representatives, and agree with said ASSIGNEE, its successors and assigns, that we have granted no right or license to make, use, sell or offer to sell said improvements, to anyone except said ASSIGNEE, that prior

to the execution of this deed, our right, title and interest in said improvements had not been otherwise encumbered, and that we have not and will not execute any instrument in conflict therewith;

AND we do hereby authorize and request the United States Commissioner for Patents to issue any and all letters patent which may be granted upon said United States applications, or upon said improvements or any parts thereof when granted, to said ASSIGNEE.

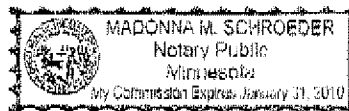
IN WITNESS WHEREOF, we have hereunto set our hands and seals.

FOR ASSIGNOR: KAIZHONG GAO

11/25/08
Date

Kaizhong Gao
Kaizhong Gao

County of Hennepin)
State of Minnesota) ss:



On this 25th day of November, 2008, before me a Notary Public in and for the County and State aforesaid, personally appeared Kaizhong Gao, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be of his free act and deed.

Madonna M. Schroeder
Notary Public
My Commission Expires 1-31-2010

(SEAL)

FOR ASSIGNOR: BIN LU

Date

Bin Lu

County of _____)
State of _____) ss:

On this _____ day of _____, 2008, before me a Notary Public in and for the County and State aforesaid, personally appeared Bin Lu, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be of his free act and deed.

Notary Public
My Commission Expires _____

(SEAL)

to the execution of this deed, our right, title and interest in said improvements had not been otherwise encumbered, and that we have not and will not execute any instrument in conflict therewith;

AND we do hereby authorize and request the United States Commissioner for Patents to issue any and all letters patent which may be granted upon said United States applications, or upon said improvements or any parts thereof when granted, to said ASSIGNEE.

IN WITNESS WHEREOF, we have hereunto set our hands and seals.

FOR ASSIGNOR: KAIZHONG GAO

Date
County of _____)
State of _____) ss:
Kaizhong Gao

On this _____ day of _____, 2008, before me a Notary Public in and for the County and State aforesaid, personally appeared Kaizhong Gao, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be of his free act and deed.

(SEAL)

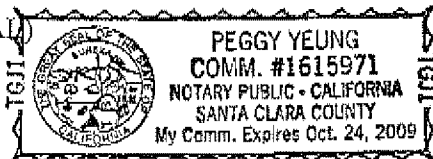
Notary Public
My Commission Expires _____

FOR ASSIGNOR: BIN LU

11-18-08
Date
County of Alameda)
State of CALIFORNIA) ss:
Bin Lu

On this 18 day of NOV, 2008, before me a Notary Public in and for the County and State aforesaid, personally appeared Bin Lu, to ~~me known~~ and known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be of his free act and deed.

(SEAL)



Notary Public
My Commission Expires OCT 24 2009

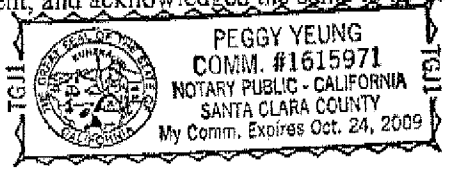
FOR ASSIGNOR: BOGDAN FLORIN VALCU

NOV 12/2008
Date

[Signature]
Bogdan Florin Valcu

County of Alameda)
State of CALIFORNIA) ss:

On this 25 day of NOV, 2008, before me a Notary Public in and for the County and State aforesaid, personally appeared Bogdan Florin Valcu, to me ~~known~~ and known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be of his free act and deed.



[Signature]
Notary Public
My Commission Expires Oct 24 2009

FOR ASSIGNOR: XIAODING MA

Date

Xiaoding Ma

County of _____)
State of _____) ss:

On this _____ day of _____, 2008, before me a Notary Public in and for the County and State aforesaid, personally appeared Xiaoding Ma, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be of his free act and deed.

(SEAL)

Notary Public
My Commission Expires _____

FOR ASSIGNOR: BOGDAN FLORIN VALCU

Date Bogdan Florin Valcu

County of)
) ss:
State of)

On this _____ day of _____, 2008, before me a Notary Public in and for the County and State aforesaid, personally appeared Bogdan Florin Valcu, to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be of his free act and deed.

(SEAL) _____
Notary Public
My Commission Expires _____

FOR ASSIGNOR: XIAODING MA

11/25/08
Date Xiaoding Ma

County of Alameda)
) ss:
State of CALIFORNIA)

On this 25 day of Nov, 2008, before me a Notary Public in and for the County and State aforesaid, personally appeared Xiaoding Ma, ~~to me known and~~ known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be of his free act and deed.

(SEAL) _____
Notary Public
My Commission Expires OCT 24 2009

