

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 style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Arkadi Goulakov</td> <td>03/03/2010</td> </tr> <tr> <td>Kaizhong Gao</td> <td>03/04/2010</td> </tr> <tr> <td>Xuhui Jin</td> <td>03/26/2010</td> </tr> </tbody> </table>		Name	Execution Date	Arkadi Goulakov	03/03/2010	Kaizhong Gao	03/04/2010	Xuhui Jin	03/26/2010		
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RECEIVING PARTY DATA											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Seagate Technology LLC</td> </tr> <tr> <td>Street Address:</td> <td>920 Disc Drive</td> </tr> <tr> <td>City:</td> <td>Scotts Valley</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>95066</td> </tr> </table>		Name:	Seagate Technology LLC	Street Address:	920 Disc Drive	City:	Scotts Valley	State/Country:	CALIFORNIA	Postal Code:	95066
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
<p>Fax Number: (612)339-6580</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 612-339-1863</p> <p>Email: drfairbairn@kinney.com</p> <p>Correspondent Name: David R. Fairbairn</p> <p>Address Line 1: 312 South Third Street</p> <p>Address Line 2: Kinney & Lange, P.A.</p> <p>Address Line 4: Minneapolis, MINNESOTA 55415-1028</p>											
ATTORNEY DOCKET NUMBER:	S895.12-83										
NAME OF SUBMITTER:	David L. Buck										
<p>Total Attachments: 8</p> <p>source=2010-3-29-Assignment-14283-S895-12-83KL#page1.tif</p>											

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PATENT
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ASSIGNMENT

Attorney Docket No. : S895.12-0083

Seagate Docket No. : 14283

WHEREAS, we, Arkadi Goulakov, of Fremont, CA, U.S.A.; Kaizhong Gao, of Eden Prairie, MN, U.S.A.; and Eric Jin, of San Jose, CA, U.S.A. are the inventor(s) of an invention entitled DIRECT WAVEGUIDE LIGHT DELIVERY TO NFT FOR HEAT ASSISTED MAGNETIC RECORDING that is the subject matter of:
(Check all that apply)

- ☐ a provisional application for Letters Patent which is identifiable in the United States Patent and Trademark Office by Application No. _____ filed on _____ ;
- ☒ an application for Letters Patent which is identifiable by its title and named inventors listed above, and/or is identifiable in the United States Patent and Trademark Office by Application No. _____ filed on _____ ;and
- ☐ an international application for Letters Patent filed pursuant to the Patent Cooperation Treaty which is identifiable in the United States Receiving Office by Application No. _____ ,filed on _____ ; and

WHEREAS, Seagate Technology LLC, a Delaware limited liability corporation and having offices at 920 Disc Drive, Scotts Valley, California, 95066 USA, ("Assignee") is desirous of acquiring the entire right, title and interest in and to the invention, the applications, and any and all Letters Patent or similar foreign or domestic legal protection;

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, transfer to Assignee, its successors and assigns, entire right, title and interest in and to the invention, the above-identified applications, all provisional applications from which any of the above-identified applications claim priority, corresponding domestic and foreign applications, any continuation, division, renewal, or substitute for the applications, all Letters Patent, any reissue, re-examination, or similar legal protection issuing related to the Letters Patent, and all rights and benefits under any applicable treaty or convention; and authorize the Director of the United States Patent and Trademark Office or foreign equivalent to issue the Letters Patent or similar legal protection to the Assignee.

We authorize the Assignee, its successors and assigns, to insert in this instrument the filing date(s) and application numbers when ascertained. We further authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries and appoint Assignee the common representative in the above identified international application and any international application for the invention.

We represent to the Assignee, its successors and assigns, that have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. We, our executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute and deliver to Assignee or its legal representatives such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries, including without limitation providing testimony in any related interference, litigation or proceeding.

PATENT

REEL: 024154 FRAME: 0782

ASSIGNMENT

Attorney Docket No. : S895.12-0083

Seagate Docket No. : 14283

IN TESTIMONY WHEREOF, I have hereunto set my hand this 3 day of March, 2010.

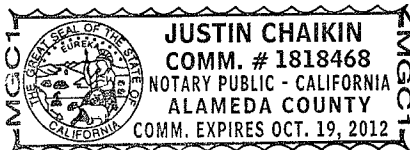
Arkadi Goulakov
Arkadi Goulakov

STATE OF CA)

COUNTY OF Alameda) ss.

On this 3 day of March, 2010, before me personally appeared Arkadi B. Goulakov to me known to be identified herein, and who executed the foregoing instrument, and acknowledged to me that he/she executed the same for the uses and purposes herein set forth.

[SEAL]



Justin Chaikin
Notary Public

State of California - County of Alameda
On 3/3/10 before me, Justin Chaikin, Notary Public, personally appeared Arkadi B. Goulakov
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.
WITNESS my hand and official seal.
Signature Justin Chaikin

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2010.

Kaizhong Gao
Kaizhong Gao

STATE OF _____)

COUNTY OF _____) ss.

On this _____ day of _____, 2010, before me personally appeared _____ to me known to be identified herein, and who executed the foregoing instrument, and acknowledged to me that he/she executed the same for the uses and purposes herein set forth.

[SEAL]

Notary Public

ASSIGNMENT

Attorney Docket No. : S895.12-0083

Seagate Docket No. : 14283

WHEREAS, we, Arkadi Goulakov, of Fremont, CA, U.S.A.; Kaizhong Gao, of Eden Prairie, MN, U.S.A.; and Eric Jin, of San Jose, CA, U.S.A. are the inventor(s) of an invention entitled DIRECT WAVEGUIDE LIGHT DELIVERY TO NFT FOR HEAT ASSISTED MAGNETIC RECORDING that is the subject matter of:
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NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, transfer to Assignee, its successors and assigns, entire right, title and interest in and to the invention, the above-identified applications, all provisional applications from which any of the above-identified applications claim priority, corresponding domestic and foreign applications, any continuation, division, renewal, or substitute for the applications, all Letters Patent, any reissue, re-examination, or similar legal protection issuing related to the Letters Patent, and all rights and benefits under any applicable treaty or convention; and authorize the Director of the United States Patent and Trademark Office or foreign equivalent to issue the Letters Patent or similar legal protection to the Assignee.

We authorize the Assignee, its successors and assigns, to insert in this instrument the filing date(s) and application numbers when ascertained. We further authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries and appoint Assignee the common representative in the above-identified international application and any international application for the invention.

We represent to the Assignee, its successors and assigns, that have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. We, our executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, its successors and assigns, execute and deliver to Assignee or its legal representatives such additional writings and do such additional acts as the Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries, including without limitation providing testimony in any related interference, litigation or proceeding.

PATENT

REEL: 024154 FRAME: 0784

ASSIGNMENT

Attorney Docket No. : S895.12-0083

Seagate Docket No. : 14283

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2010.

Arkadi Goulakov

STATE OF _____)

)ss.


COUNTY OF _____)

On this _____ day of _____, 2010, before me personally appeared _____ to me known to be identified herein, and who executed the foregoing instrument, and acknowledged to me that he/she executed the same for the uses and purposes herein set forth.

[SEAL]

Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2010.



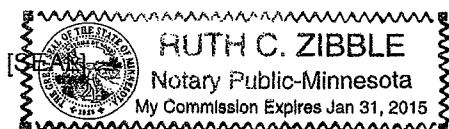
Kaizhong Gao

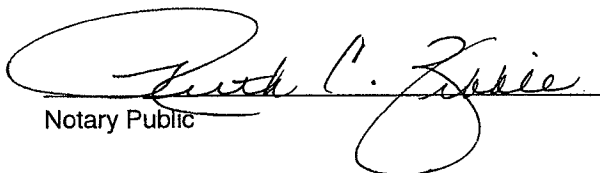
STATE OF Minnesota)

)ss.

COUNTY OF Hennepin)

On this 4th day of March, 2010, before me personally appeared Kaizhong Gao to me known to be identified herein, and who executed the foregoing instrument, and acknowledged to me that he/she executed the same for the uses and purposes herein set forth.





Notary Public

ASSIGNMENT

Attorney Docket No. : S895.12-0083

Seagate Docket No. : 14283

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2010.

Eric Jin

STATE OF _____)

)ss.

COUNTY OF _____)

On this _____ day of _____, 2010, before me personally appeared _____ to me known to be identified herein, and who executed the foregoing instrument, and acknowledged to me that he/she executed the same for the uses and purposes herein set forth.

[SEAL]

Notary Public

ASSIGNMENT

Attorney Docket No. : S895.12-0083

Seagate Docket No. : 14283

Xuhui Jin

WHEREAS, we, Arkadi Goulakov, of Fremont, CA, U.S.A.; Kaizhong Gao, of Eden Prairie, MN, U.S.A.; and ~~Eric Jin~~, of San Jose, CA, U.S.A. are the inventor(s) of an invention entitled DIRECT WAVEGUIDE LIGHT DELIVERY TO NFT FOR HEAT ASSISTED MAGNETIC RECORDING that is the subject matter of:
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PATENT

REEL: 024154 FRAME: 0787

ASSIGNMENT

Attorney Docket No. : S895.12-0083

Seagate Docket No. : 14283

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2010.

Arkadi Goulakov

STATE OF _____)

)ss.

COUNTY OF _____)

On this _____ day of _____, 2010, before me personally appeared _____ to me known to be identified herein, and who executed the foregoing instrument, and acknowledged to me that he/she executed the same for the uses and purposes herein set forth.

[SEAL]

Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 2010.

Kaizhong Gao

STATE OF _____)

)ss.

COUNTY OF _____)

On this _____ day of _____, 2010, before me personally appeared _____ to me known to be identified herein, and who executed the foregoing instrument, and acknowledged to me that he/she executed the same for the uses and purposes herein set forth.

[SEAL]

Notary Public

Assignment

Attorney Docket No. : S895.12-0083

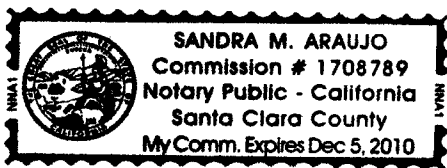
Seagate Docket No. : 14283

IN TESTIMONY WHEREOF, I have hereunto set my hand this 26th day of March 2010.

Xuhui Jin
Xuhui Jin

STATE OF California
COUNTY OF Santa Clara) ss.

On this 26th day of March, 2010, before me personally appeared Xuhui Jin to me known to be identified herein, and who executed the foregoing instrument, and acknowledged to me that he/she executed the same for the uses and purposes herein set forth.



Sandra M. Araujo
Notary Public

[SEAL]