

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; margin-top: 10px;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr><td>Nurul Amin</td><td>11/18/2003</td></tr> <tr><td>Yuming Zhou</td><td>11/18/2003</td></tr> <tr><td>Kaizhong Gao</td><td>11/18/2003</td></tr> <tr><td>Patrick J Ryan</td><td>11/18/2003</td></tr> <tr><td>Steven Kalderon</td><td>11/18/2003</td></tr> <tr><td>Song S Xue</td><td>11/18/2003</td></tr> <tr><td>Shaoping Li</td><td>11/18/2003</td></tr> <tr><td>Mark T Kief</td><td>11/18/2003</td></tr> </tbody> </table>		Name	Execution Date	Nurul Amin	11/18/2003	Yuming Zhou	11/18/2003	Kaizhong Gao	11/18/2003	Patrick J Ryan	11/18/2003	Steven Kalderon	11/18/2003	Song S Xue	11/18/2003	Shaoping Li	11/18/2003	Mark T Kief	11/18/2003
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RECEIVING PARTY DATA <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <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 <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12100761</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12100761														
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CORRESPONDENCE DATA <p style="margin-top: 10px;">Fax Number: (612)339-6580</p> <p style="margin-top: 5px;"><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p style="margin-top: 5px;">Phone: 612-339-1863</p> <p style="margin-top: 5px;">Email: amkoenck@kinney.com</p> <p style="margin-top: 5px;">Correspondent Name: KINNEY & LANGE, P.A.</p> <p style="margin-top: 5px;">Address Line 1: 312 SOUTH 3RD STREET</p> <p style="margin-top: 5px;">Address Line 2: THE KINNEY & LANGE BUILDING</p> <p style="margin-top: 5px;">Address Line 4: MINNEAPOLIS, MINNESOTA 55415</p>																			

CH \$40.00 12100761

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PATENT
REEL: 020785 FRAME: 0327

ATTORNEY DOCKET NUMBER:	169.12-0650
NAME OF SUBMITTER:	Alan Koenck
Total Attachments: 3 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif	

ASSIGNMENT

Attorney Docket No. : 169.12-0599

Seagate Docket No. : STL 11433.00

WHEREAS, we Nurul Amin of, 8797 Rainier Drive, Woodbury, Minnesota 55128, USA, Yuming Zhou of, 16745 Hutchinson Drive, Lakeville, Minnesota 55044, USA, Kaizhong Gao of, 10717 France Avenue South, Apartment 214, Bloomington, Minnesota 55431, USA, Patrick J. Ryan of, 1249 Scheffer Avenue, St. Paul, Minnesota 55116, USA, Steven Kalderon of, 5945 Newton Avenue South, Minneapolis, Minnesota 55419, USA, Song S. Xue of, 7320 Gallagher Drive, #204, Edina, Minnesota 55435, USA, Shaoping Li of, 2620 Portlow Drive, Naperville, Illinois 60456, USA, and Mark T. Kief of, 21812 Wagon Wheel Trail, Lakeville, Minnesota 55044, USA are the inventor(s) of an invention entitled TRANSDUCING HEAD DESIGN WITH LOW ERASURE FIELD 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 has been executed on even date herewith and/or is identifiable in the United States Patent and Trademark Office by Application No. 10/671,809 filed on September 26, 2003 ;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 limited liability company organized and existing under the laws of the State of Delaware and the United States of America, 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, we transfer to Assignee, its successors and assigns, our 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 we 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.

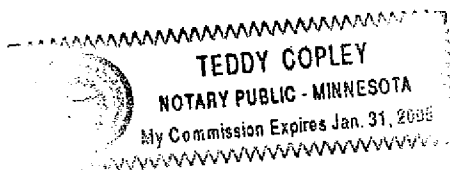
We authorize the Assignee, its successors and assigns, to insert in this instrument the filing date(s) and application numbers when ascertained. We further authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, 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 we 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.

Nurul Amin

Nurul Amin (Inventor)

Subscribed and sworn to before me in the County of HENNEPIN, State of MINNESOTA, a
Notary Public, this 18TH day of NOVEMBER, 2003.



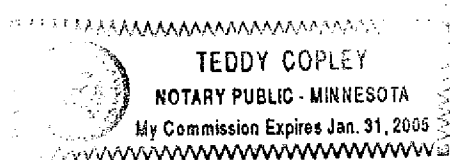
(SEAL)

Teddy Copley
Notary Public

Yuming Zhou

Yuming Zhou (Inventor)

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Notary Public, this 18TH day of NOVEMBER, 2003.



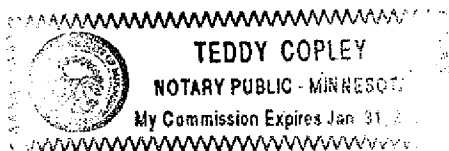
(SEAL)

Teddy Copley
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Kaizhong Gao

Kaizhong Gao (Inventor)

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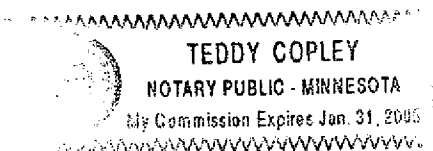
(SEAL)

Teddy Copley
Notary Public

Patrick J. Ryan

Patrick J. Ryan (Inventor)

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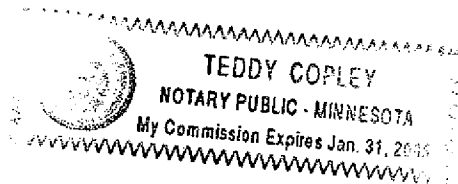
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Teddy Copley
Notary Public


Steven Kalderon (Inventor)

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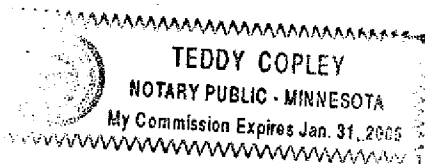


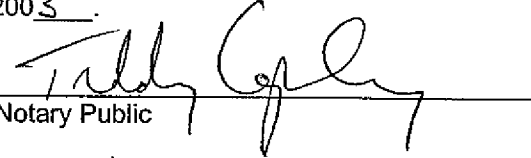

Notary Public


Song S. Xue (Inventor)

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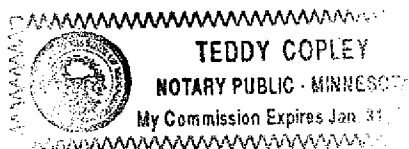



Notary Public


Shaoping Li (Inventor)

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(SEAL)

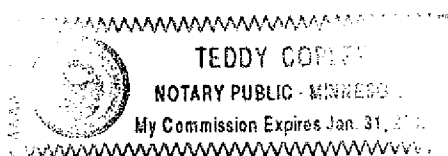


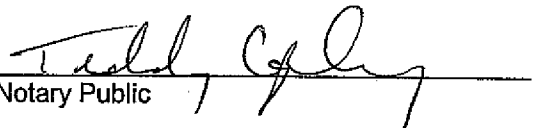

Notary Public


Mark T. Kief (Inventor)

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Notary Public, this 18th day of NOVEMBER, 2003.

(SEAL)




Notary Public