

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Xiaoyue Huang</td> <td>03/12/2013</td> </tr> <tr> <td>Michael Christopher Kautzky</td> <td>03/07/2013</td> </tr> </tbody> </table>		Name	Execution Date	Xiaoyue Huang	03/12/2013	Michael Christopher Kautzky	03/07/2013						
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RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>SEAGATE TECHNOLOGY LLC</td> </tr> <tr> <td>Street Address:</td> <td>10200 S. DeAnza Boulevard</td> </tr> <tr> <td>Internal Address:</td> <td>Suite 350</td> </tr> <tr> <td>City:</td> <td>Cupertino</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>95014</td> </tr> </table>		Name:	SEAGATE TECHNOLOGY LLC	Street Address:	10200 S. DeAnza Boulevard	Internal Address:	Suite 350	City:	Cupertino	State/Country:	CALIFORNIA	Postal Code:	95014
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PROPERTY NUMBERS Total: 1													
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CORRESPONDENCE DATA													
<p>Fax Number: 6123051006</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 612.305.1006</p> <p>Email: dlagro@mrjplaw.com</p> <p>Correspondent Name: Anna M. Nelson</p> <p>Address Line 1: 111 Third Avenue South</p> <p>Address Line 2: Suite 350</p> <p>Address Line 4: Minneapolis, MINNESOTA 55401</p>													
ATTORNEY DOCKET NUMBER:	430.17124010												
NAME OF SUBMITTER:	Anna M. Nelson												
	This document serves as an Oath/Declaration (37 CFR 1.63).												
<p>Total Attachments: 2</p> <p>source=ExecutedAssignment#page1.tif</p> <p>source=ExecutedAssignment#page2.tif</p>													

CH \$40.00 13795649

ASSIGNMENT

Seagate Docket No. : 430.17124010

WHEREAS, Xiaoyue Huang of 8628 Braxton Drive, Eden Prairie, Minnesota 55347 and Michael Christopher Kautzky of 4143 Cashell Glen, Eagan, Minnesota 55122 and are the inventors of an invention entitled OPTICAL DEVICES INCLUDING ASSIST LAYERS 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. 61/637,434 filed on April 24, 2012;
- ☒ an application for Letters Patent which is identifiable in the United States Patent and Trademark Office by Application No. 13/795,649 filed on March 12, 2013 and/or executed on even date herewith: 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/or executed on even date herewith:

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 10200 S. De Anza Blvd, Cupertino, CA 95014 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, I transfer to Assignee, its successors and assigns, my 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 I 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.

I authorize the Assignee, its successors and assigns, to insert in this instrument the filing date(s) and application numbers when ascertained. I 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.

I represent to the Assignee, its successors and assigns, that I have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. I, my 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.

The above-identified application was made or authorized to be made by me. I believe that I am the original inventor or an original joint inventor of a claimed invention in the application. I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both. I hereby state that I have reviewed and understand the contents of the above identified application, including the claims, as amended by any amendment specifically referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

Xiaoyue Huang (Inventor)
Date 3/12/2013

State of Minnesota

County of Hennepin

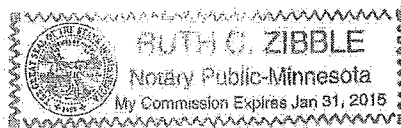
On March 12, 2013 before me, Ruth C. Zibble, Notary
(insert name and title of the officer)

personally appeared Xiaoyue Huang (Inventor), who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of Minnesota that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Ruth C. Zibble (Seal)
Signature of Notary Public



Michael C. Kautzky
Michael C. Kautzky (Inventor)
Date 3/7/13

State of MN

County of Hennepin

On March 7, 2013 before me, Melissa Zarns Notary
(insert name and title of the officer)

personally appeared Michael C. Kautzky (Inventor), who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of MN that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Melissa Zarns (Seal)
Signature of Notary Public

