

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT2626167

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>MICHAEL SEIGLER</td> <td>11/21/2013</td> </tr> <tr> <td>WEIBIN CHEN</td> <td>11/21/2013</td> </tr> <tr> <td>WERNER SCHOLZ</td> <td>11/18/2013</td> </tr> <tr> <td>JAN ULRICH THIELE</td> <td>11/21/2013</td> </tr> <tr> <td>LIHONG ZHANG</td> <td>11/21/2013</td> </tr> <tr> <td>SHASHWAT SHUKLA</td> <td>11/21/2013</td> </tr> <tr> <td>XIONG LIU</td> <td>11/20/2013</td> </tr> </tbody> </table>		Name	Execution Date	MICHAEL SEIGLER	11/21/2013	WEIBIN CHEN	11/21/2013	WERNER SCHOLZ	11/18/2013	JAN ULRICH THIELE	11/21/2013	LIHONG ZHANG	11/21/2013	SHASHWAT SHUKLA	11/21/2013	XIONG LIU	11/20/2013
Name	Execution Date																
MICHAEL SEIGLER	11/21/2013																
WEIBIN CHEN	11/21/2013																
WERNER SCHOLZ	11/18/2013																
JAN ULRICH THIELE	11/21/2013																
LIHONG ZHANG	11/21/2013																
SHASHWAT SHUKLA	11/21/2013																
XIONG LIU	11/20/2013																
RECEIVING PARTY DATA																	
<table border="1"> <tr> <td>Name:</td> <td>SEAGATE TECHNOLOGY LLC</td> </tr> <tr> <td>Street Address:</td> <td>10200 S. DE ANZA BLVD</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. DE ANZA BLVD	City:	CUPERTINO	State/Country:	CALIFORNIA	Postal Code:	95014						
Name:	SEAGATE TECHNOLOGY LLC																
Street Address:	10200 S. DE ANZA BLVD																
City:	CUPERTINO																
State/Country:	CALIFORNIA																
Postal Code:	95014																
PROPERTY NUMBERS Total: 1																	
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>14087785</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14087785												
Property Type	Number																
Application Number:	14087785																
CORRESPONDENCE DATA																	
<p>Fax Number:</p> <p>Email: lpeterson@wck.com  <i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i></p> <p>Correspondent Name: ALAN G. REGO        Address Line 1: 900 SECOND AVENUE SOUTH        Address Line 2: SUITE 1400        Address Line 4: MINNEAPOILS, MINNESOTA 55402</p>																	
ATTORNEY DOCKET NUMBER:	S01.12-1535																

OP \$40.00 14087785

NAME OF SUBMITTER:	ALAN G. REGO
Signature:	/Alan G. Rego/
Date:	11/22/2013
<b>Total Attachments: 8</b> source=2013-11-22_Combined_Assignment_and_Declaration#page1.tif source=2013-11-22_Combined_Assignment_and_Declaration#page2.tif source=2013-11-22_Combined_Assignment_and_Declaration#page3.tif source=2013-11-22_Combined_Assignment_and_Declaration#page4.tif source=2013-11-22_Combined_Assignment_and_Declaration#page5.tif source=2013-11-22_Combined_Assignment_and_Declaration#page6.tif source=2013-11-22_Combined_Assignment_and_Declaration#page7.tif source=2013-11-22_Combined_Assignment_and_Declaration#page8.tif	

**COMBINED ASSIGNMENT  
& DECLARATION**

Seagate Docket No. :     STL 17736.00

WHEREAS, Michael Seigler of Eden Prairie, Minnesota, USA, Weibin Chen of Edina, Minnesota, USA, Werner Scholz of Edina, Minnesota, USA, Jan-Ulrich Thiele of Sunnyvale, California, USA, Lihong Zhang of Singapore, Shashwat Shukla of Singapore and Xiong Liu of Singapore is/are the inventor(s) of an invention entitled Storage Medium with Layer(s) for Enhanced Heating 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 in the United States Patent and Trademark Office by Application No. 14/087,785 filed on November 22, 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.

Michael Seigler  
Michael Seigler (Inventor)  
11-21-2013  
Date

State of Minnesota  
County of Hennepin

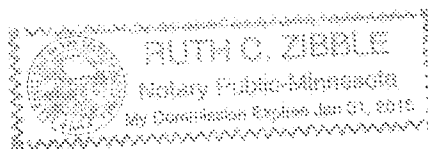
On Nov 21, 2013 before me, Ruth C. Zibble, Notary  
(insert name and title of the officer)

personally appeared Michael Seigler (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



Weibin Chen  
Weibin Chen (Inventor)  
Date 11/21/2013

State of Minnesota  
County of Hennepin

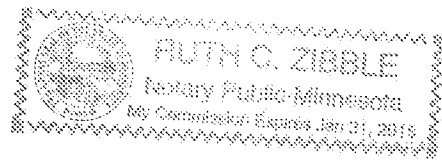
On Nov. 21, 2013 before me, Ruth C. Zibble, Notary  
(insert name and title of the officer)

personally appeared Weibin Chen (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



Werner Scholz  
Werner Scholz (Inventor)  
Date 11/18/13

State of MN  
County of Hennepin

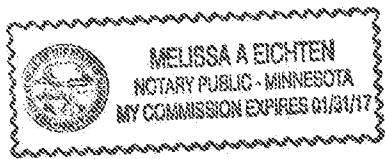
On Nov 18, 2013 before me, Melissa Eichten, Notary  
(insert name and title of the officer)

personally appeared Werner Scholz (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 Eichten (Seal)  
Signature of Notary Public



Jan-Ulrich Thiele  
Jan-Ulrich Thiele (Inventor)  
Date 11/21/2013

State of California

County of Alameda

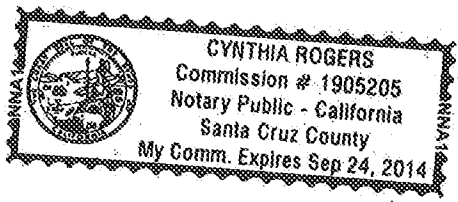
On Nov. 21, 2013 before me, Cynthia Rogers, Notary Public  
(insert name and title of the officer)

personally appeared Jan-Ulrich Thiele (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 California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Cynthia Rogers (Seal)  
Signature of Notary Public



Lihong Zhang  
Lihong Zhang (Inventor)

Subscribed and sworn to before me at Singapore, a witness, this 21 day of Nov, 2013.

[Signature]  
Witness



SSM.  
Shashwat Shukla (Inventor)

Subscribed and sworn to before me at Singapore, a witness, this 21<sup>st</sup> day of NOV, 2013

Limy Zhang  
Witness

liuxing  
Xiong Liu (Inventor)

Subscribed and sworn to before me at Singapore, a witness, this 20 day of Nov, 2013

3/Sun  
Witness  
Sun Hao