

# PATENT ASSIGNMENT

Electronic Version v1.1  
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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<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>Dimitar Velikov Dimitrov</td> <td>11/19/2009</td> </tr> <tr> <td>Insik Jin</td> <td>11/09/2009</td> </tr> <tr> <td>Haiwen Xi</td> <td>10/29/2009</td> </tr> </tbody> </table>		Name	Execution Date	Dimitar Velikov Dimitrov	11/19/2009	Insik Jin	11/09/2009	Haiwen Xi	10/29/2009		
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<b>RECEIVING PARTY DATA</b>											
<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>95066-4542</td> </tr> </table>		Name:	Seagate Technology LLC	Street Address:	920 Disc Drive	City:	Scotts Valley	State/Country:	CALIFORNIA	Postal Code:	95066-4542
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PROPERTY NUMBERS Total: 1											
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<b>CORRESPONDENCE DATA</b>											
<p>Fax Number: (612)492-7077  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 612-492-7000          Email: kpietruszewski@fredlaw.com</p> <p>Correspondent Name: John S. Parzych          Address Line 1: 200 South Sixth Street          Address Line 2: Suite 4000          Address Line 4: Minneapolis, MINNESOTA 55402</p>											
ATTORNEY DOCKET NUMBER:	55643.29.2										
NAME OF SUBMITTER:	John S. Parzych										
<p>Total Attachments: 5          source=20100112AssignmentFB55643292STL13633#page1.tif</p>											

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**PATENT**  
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**ASSIGNMENT**

Whereas, Dimitar Velikov Dimitrov, residing at 5709 68th Street West, Edina, Minnesota 55439; Insik Jin, residing at 1569 Johnny Cake Alcove, Eagan, Minnesota 55122; and Haiwen Xi, residing at 3019 Bobcat Trail NW, Prior Lake, Minnesota 55372, ("Assignor"), have made invention(s) for which United States and foreign patents and patent applications have been filed and are identified on the attached Schedule 1;

Whereas, Seagate Technology LLC, a Delaware corporation having a place of business at 920 Disc Drive, Scotts Valley, CA 95066-4542 ("Assignee"), desires to acquire the entire right, title and interest in and to the United States and foreign patents and patent applications identified on the attached Schedule 1 and in and to the inventions described and claimed therein (the "Patents"); and

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, Assignor hereby assigns to Assignee, and its successors and assigns the following:

- (1) The entire right, title and interest to the Patents including the inventions described or claimed therein, and to each U.S. and foreign patent application and patent from which the Patents claim priority to in whole or in part, and to which the Patents claim priority; and
- (2) The entire right, title and interest to any United States or foreign patents that may issue with respect to the inventions described or claimed in the Patents;
- (3) The entire right, title and interest to any renewals, reissues, extensions, substitutions, continuations, continuations-in-part, or divisions of the Patents, and all foreign applications based thereon;
- (4) The right to apply for patents in foreign countries in its own name and to claim any priority rights to which such foreign applications are entitled under international conventions, treaties or otherwise; and
- (5) The right to enforce patent rights to such Patents as fully and entirely as the same would have been held and enjoyed by the Assignors if this assignment had not been made; together with all claims by Assignors for damages by reason of past infringement or for provisional rights and including the right to sue for, and collect the same for its own use and benefit, and for the use and benefit of its successors, assigns, and other legal representatives.

Assignor further agrees for himself and for his successors and assigns to execute and deliver without further consideration any further applications, assignments or other documents and to perform such other lawful acts as Assignee its successors and assigns may

deem necessary to fully secure, maintain and enforce its rights, title or interest as outlined herein.

Assignor hereby authorizes and requests the Commissioner of Patents to issue to Assignee any patents that may be granted in accordance with this Assignment.

This Agreement may be executed in one or more counterparts, all of which shall be considered one and the same agreement. The signatures from each counterpart may be combined with a copy of the Agreement to constitute the entire Agreement.

Date: 11/19/2009

Dimitar Velikov Dimitrov  
Dimitar Velikov Dimitrov

Subscribed to and sworn to before me this 19<sup>th</sup> day of November, 2009.

Ruth C. Zibble  
Notary Public

Notary Seal



Date: \_\_\_\_\_

\_\_\_\_\_  
Insik Jin

Subscribed to and sworn to before me this \_\_\_\_ day of \_\_\_\_\_, 2009.

\_\_\_\_\_  
Notary Public

\_\_\_\_\_  
Notary Seal

Date: \_\_\_\_\_

\_\_\_\_\_  
Haiwen Xi

Subscribed to and sworn to before me this \_\_\_\_ day of \_\_\_\_\_, 2009.

\_\_\_\_\_  
Notary Public

\_\_\_\_\_  
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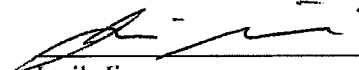
\_\_\_\_\_  
Dimitar Velikov Dimitrov

Subscribed to and sworn to before me this \_\_\_\_ day of \_\_\_\_\_, 2009.

\_\_\_\_\_  
Notary Public

Notary Seal

Date: 11/09/09

  
\_\_\_\_\_  
Insik Jin

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\_\_\_\_\_  
Notary Public

Notary Seal

Date: \_\_\_\_\_

\_\_\_\_\_  
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Dimitar Velikov Dimitrov

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Date: \_\_\_\_\_

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Insik Jin

Subscribed to and sworn to before me this \_\_\_\_ day of \_\_\_\_\_, 2009.

\_\_\_\_\_  
Notary Public

Notary Seal

Date: 10/29/2009

  
\_\_\_\_\_  
Haiwen Xi

Subscribed to and sworn to before me this \_\_\_\_ day of \_\_\_\_\_, 2009.

\_\_\_\_\_  
Notary Public

Notary Seal

**SCHEDULE 1**

**US Patents and Patent Applications**

<b>Title</b>	<b>Filing Date</b>	<b>US Application Ser. No.</b>	<b>Inventor(s)</b>
NONVOLATILE RESISTIVE MEMORY DEVICES	2009-10-27	12/606,681	Dimitar Velikov Dimitrov Insik Jin Haiwen Xi

**Foreign Patents and Patent Applications**

<b>Title</b>	<b>Filing Date</b>	<b>Application Ser. No.</b>	<b>Patent No.</b>	<b>Inventor(s)</b>

4640340