

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>Eric Meloche</td><td>09/27/2010</td></tr><tr><td>Bin Lu</td><td>10/15/2010</td></tr><tr><td>Lixin Jia</td><td>09/28/2010</td></tr><tr><td>Jianhua Xue</td><td>09/27/2010</td></tr><tr><td>John David Westwood</td><td>09/23/2010</td></tr><tr><td>Mark Anthony Gubbins</td><td>10/04/2010</td></tr><tr><td>Alexandru Cazacu</td><td>09/24/2010</td></tr></tbody></table>		Name	Execution Date	Eric Meloche	09/27/2010	Bin Lu	10/15/2010	Lixin Jia	09/28/2010	Jianhua Xue	09/27/2010	John David Westwood	09/23/2010	Mark Anthony Gubbins	10/04/2010	Alexandru Cazacu	09/24/2010
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<table border="1"><tr><td>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"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12879791</td></tr></tbody></table>		Property Type	Number	Application Number:	12879791												
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CORRESPONDENCE DATA																	
Fax Number: (612)334-3312 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																	
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Address Line 2: Suite #1400																	
Address Line 4: Minneapolis, MINNESOTA 55402																	
ATTORNEY DOCKET NUMBER:	S01.12-1450																

OP \$40.00 12879791

501398598

PATENT
REEL: 025593 FRAME: 0788

NAME OF SUBMITTER:

Robyn Miller

Total Attachments: 13

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ASSIGNMENT

Attorney Docket No. : S01.12-1450

Seagate Docket No. : STL 16308.00

WHEREAS, I/we, Eric Meloche of Burnsville, Minnesota; Bin Lu of San Ramon, California; Lixin Jia of Minneapolis, Minnesota; Jianhua Xue of Maple Grove, Minnesota; John David Westwood of San Jose, California; Mark Anthony Gubbins of Donegal, Ireland; and Alexandru Cazacu of Derry, North Ireland/United Kingdom are the inventor(s) of an invention entitled _____ 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. 12187479 filed on September 10, 2010 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 Delaware limited liability company 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, I/we transfer to Assignee, its successors and assigns, my/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 I/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.

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

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

Attorney Docket No. : S01.12-1450
Seagate Docket No. : STL 16308.00

Eric Meloche
Eric Meloche

Subscribed and sworn to before me at Seagate Technology, a Notary Public, this 27th day
of September 2010

Mary M. Patnode
Notary Public

(SEAL)



Bin Lu

Subscribed and sworn to before me at _____, a Notary Public, this ____ day
of _____.

Notary Public

(SEAL)

Lixin Jia

Subscribed and sworn to before me at _____, a Notary Public, this ____ day
of _____.

Notary Public

(SEAL)

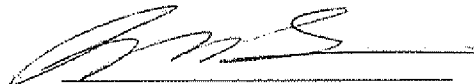
Attorney Docket No. : S01.12-1450
Seagate Docket No. : STL 16308.00

Eric Meloche

Subscribed and sworn to before me at _____, a Notary Public, this ____ day
of _____, ____.

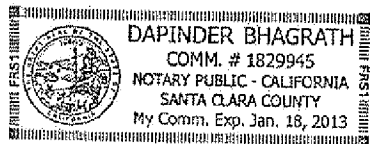
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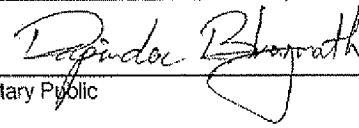
(SEAL)


Bin Lu

Subscribed and sworn to before me at FREMONT, CA, a Notary Public, this 15th day
of OCT, 2010.

(SEAL)




Notary Public

Lixin Jia

Subscribed and sworn to before me at _____, a Notary Public, this ____ day
of _____, ____.

Notary Public

(SEAL)

Attorney Docket No. : S01.12-1450
Seagate Docket No. : STL 16308.00

Eric Meloche

Subscribed and sworn to before me at _____, a Notary Public, this ____ day
of _____.

Notary Public

(SEAL)

Bin Lu

Subscribed and sworn to before me at _____, a Notary Public, this ____ day
of _____.

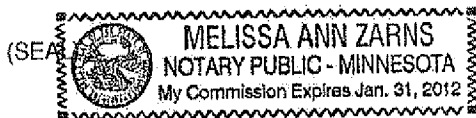
Notary Public

(SEAL)

Lixin Jia

Subscribed and sworn to before me at Hennepin County, MN, a Notary Public, this 28th day
of Sept., 2010.

Melissa A. Zarns
Notary Public



Jianhua Xue
Jianhua Xue

Subscribed and sworn to before me at Seagate Technology, a Notary Public, this 27th day
of September 2010

Mary M Patnode
Notary Public

(SEAL)



John David Westwood
John David Westwood

Subscribed and sworn to before me at _____, a Notary Public, this ____ day
of _____.

Notary Public

(SEAL)

Signature of Inventor

Date : _____

Mark Anthony Gubbins
Printed Name of Inventor

Residence of Inventor:

27 Tho Green Ballymacool Wood

Letterkenny, Co

Donegal, Ireland

Signature of Witness

Date : _____

Printed Name of Witness

Residence of Witness:

ASSIGNMENT

Attorney Docket No. : S01.12-1450

Seagate Docket No. : STL 16308.00

WHEREAS, I/we, Eric Meloche of Burnsville, Minnesota; Bin Lu of San Ramon, California; Lixin Jia of Minneapolis, Minnesota; Jianhua Xue of Maple Grove, Minnesota; John David Westwood of San Jose, California; Mark Anthony Gubbins of Donegal, Ireland; and Alexandru Cazacu of Derry, North Ireland/United Kingdom are the inventor(s) of an invention entitled _____ 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. 1287974 filed on September 10, 2010 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 Delaware limited liability company 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, I/we transfer to Assignee, its successors and assigns, my/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 I/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.

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

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

Attorney Docket No. : S01.12-1450
Seagate Docket No. : STL 16308.00

Eric Meloche

Subscribed and sworn to before me at _____, a Notary Public, this ____ day
of _____.

Notary Public

(SEAL)

Bin Lu

Subscribed and sworn to before me at _____, a Notary Public, this ____ day
of _____.

Notary Public

(SEAL)

Lixin Jia

Subscribed and sworn to before me at _____, a Notary Public, this ____ day
of _____.

Notary Public

(SEAL)

Jianhua Xue

Subscribed and sworn to before me at _____, a Notary Public, this ____ day
of _____.

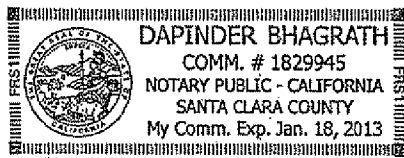
Notary Public

(SEAL)

John David Westwood
John David Westwood

Subscribed and sworn to before me at FREMONT, ALAMEDA COUNTY, CALIFORNIA, a Notary Public, this 23rd day
of SEPT., 2010.

(SEAL)



Dapinder Bhagrath
Notary Public

Signature of Inventor

Signature of Witness

Date : _____

Date : _____

Mark Anthony Gubbins
Printed Name of Inventor

Printed Name of Witness

Residence of Inventor:

Residence of Witness:

27 Tho Green Ballymacool Wood

Letterkenny, Co

Donegal, Ireland

Signature of Inventor

Date : _____

Alexandru Cazacu

Printed Name of Inventor

Residence of Inventor:

6 North Meadows

Derry, North Ireland/United Kingdom

Signature of Witness

Date : _____

Printed Name of Witness

Residence of Witness:

ASSIGNMENT

Attorney Docket No.: S01.12-1450

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- ☐ 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. 12/897791 filed on September 10, 2010 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;

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Attorney Docket No. : S01.12-1450
Seagate Docket No. : STL 16308.00

Eric Meloche

Subscribed and sworn to before me at _____, a Notary Public, this ____ day
of _____.

Notary Public

(SEAL)

Ein Lu

Subscribed and sworn to before me at _____, a Notary Public, this ____ day
of _____.

Notary Public

(SEAL)

Lixin Jia

Subscribed and sworn to before me at _____, a Notary Public, this ____ day
of _____.

Notary Public

(SEAL)

Jianhua Xue

Subscribed and sworn to before me at _____, a Notary Public, this ____ day
of _____.

Notary Public

(SEAL)

John David Westwood

Subscribed and sworn to before me at _____, a Notary Public, this ____ day
of _____.

Notary Public

(SEAL)

Mark Gubbins

Signature of Inventor

Date : 4/10/2010

Mark Anthony Gubbins

Printed Name of Inventor

Residence of Inventor:

27 The Green Ballymacool Wood

Letterkenny, Co

Donegal, Ireland

[Signature]

Signature of Witness

Date : 4/10/2010

SWARAJ BASU

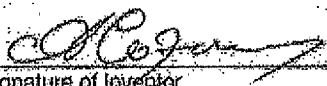
Printed Name of Witness

Residence of Witness:

Flat 21, Meadowbank

Court, 141 Strand Road

BT48 7PB


Signature of Inventor

Date : 24 September 2010

Alexandru Cazacu
Printed Name of Inventor

Residence of Inventor:
6 North Meadows

Derry, North Ireland/United Kingdom


Signature of Witness

Date : 24/09/10

ANNE HORAN
Printed Name of Witness

Residence of Witness:
Apt 502, Clonmel Quay

100-114 Strand Rd, Derry
United Kingdom
