

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>Sumanth Jannyavula Venkata</td> <td>07/03/2012</td> </tr> <tr> <td>James David Sawin</td> <td>07/05/2012</td> </tr> </tbody> </table>		Name	Execution Date	Sumanth Jannyavula Venkata	07/03/2012	James David Sawin	07/05/2012
Name	Execution Date						
Sumanth Jannyavula Venkata	07/03/2012						
James David Sawin	07/05/2012						
RECEIVING PARTY DATA							
Name:	Seagate Technology LLC						
Street Address:	10200 South DeAnza Boulevard						
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>13543100</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13543100		
Property Type	Number						
Application Number:	13543100						
CORRESPONDENCE DATA							
Fax Number:	(952)854-2722						
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ATTORNEY DOCKET NUMBER:	STX.073.A1						
NAME OF SUBMITTER:	Clara Davis						
Total Attachments: 4 source=ASG-STX073A1#page1.tif source=ASG-STX073A1#page2.tif source=ASG-STX073A1#page3.tif source=ASG-STX073A1#page4.tif							

CH \$40.00 13543100

ASSIGNMENT

WHEREAS, I/we Sumanth Jannyavula Venkata of 1482 Savanna Drive, Shakopee, MN 55379, and James David Sawin of 3 Heather Lane, Sterling, MA 01564 are the inventor(s) of an invention entitled MEMORY ACCESS REQUESTS IN HYBRID MEMORY SYSTEM 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. _____ filed on _____ 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 South DeAnza Boulevard, Cupertino, California, 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/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.

Sumanth

Sumanth Jannyavula Venkata (Inventor)

3-Jul-2012

Date

State of Minnesota)

County of Scott)

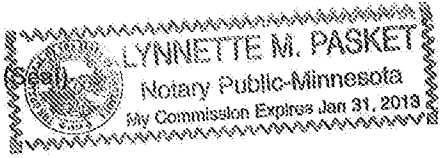
On July 3, 2012 before me, Lynnette M. Pasket
(insert name and title of the officer)

personally appeared Sumanth Jannyavula Venkata (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 *Lynnette M. Pasket*
Signature of Notary Public



James David Sawin (Inventor)

Date

State of _____)

County of _____)

On _____ before me, _____
(insert name and title of the officer)

personally appeared James David Sawin (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 _____ that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____ (Seal)
Signature of Notary Public

ASSIGNMENT

WHEREAS, I/we Sumanth Jannyavula Venkata of 1482 Savanna Drive, Shakopee, MN 55379, and James David Sawin of 3 Heather Lane, Sterling, MA 01564 are the inventor(s) of an invention entitled MEMORY ACCESS REQUESTS IN HYBRID MEMORY SYSTEM that is the subject matter of: (check all that apply)

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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 South DeAnza Boulevard, Cupertino, California, 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/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.

Sumanth Jannyavula Venkata (Inventor)

Date

State of _____)

County of _____)

On _____ before me, _____
(insert name and title of the officer)

personally appeared Sumanth Jannyavula Venkata (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 _____ that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____ (Seal)
Signature of Notary Public

James David Sawin
James David Sawin (Inventor)
7/5/12
Date

State of Massachusetts,

County of Worcester)

On July 5th, 2012 before me, Martha Lloret - Notary Public
(insert name and title of the officer)

personally appeared James David Sawin (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 Massachusetts that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature *Martha Lloret* (Seal)
Signature of Notary Public

