

## 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>Deepak Sridhara</td> <td>04/10/2012</td> </tr> <tr> <td>Arvind Sridharan</td> <td>04/10/2012</td> </tr> <tr> <td>Ara Patapoutian</td> <td>04/11/2012</td> </tr> </tbody> </table>		Name	Execution Date	Deepak Sridhara	04/10/2012	Arvind Sridharan	04/10/2012	Ara Patapoutian	04/11/2012
Name	Execution Date								
Deepak Sridhara	04/10/2012								
Arvind Sridharan	04/10/2012								
Ara Patapoutian	04/11/2012								
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>13445591</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13445591				
Property Type	Number								
Application Number:	13445591								
CORRESPONDENCE DATA									
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ATTORNEY DOCKET NUMBER:	STX.058.A1								
NAME OF SUBMITTER:	Clara Davis								
Total Attachments: 6									

CH \$40.00 13445591

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## ASSIGNMENT

Seagate Docket No. : STL17022.00US  
Atty. Docket No.: STX.058.A1

WHEREAS, I/we Deepak Sridhara of 4500 Baseline Road, Apt. 4103, Boulder, CO 80303; Arvind Sridharan of 2727 Nelson Road, Apt. K201, Longmont, CO 80503; and Ara Patapoutian of 5 Lyford Road, Hopkinton, MA 01748, are the inventor(s) of an invention entitled USING A SOFT DECODER WITH HARD DATA 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.

Deepak  
Deepak Sridhara (Inventor)  
4/10/2012  
Date

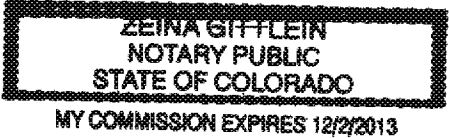
State of Colorado  
County of Boulder

On April 10, 2012 before me, Zeina Gittlein Paralegal  
(insert name and title of the officer)

personally appeared Deepak Sridhara (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 Colorado that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature Zeina Gittlein (Seal)  
Signature of Notary Public

Arvind  
Arvind Sridharan (Inventor)  
04/10/2012  
Date

State of Colorado  
County of Boulder

On April 10, 2012 before me, Zeina Gittlein Paralegal  
(insert name and title of the officer)

personally appeared Arvind Sridharan (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 Colorado that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature Zeina Gittlein (Seal)  
Signature of Notary Public

\_\_\_\_\_  
Ara Patapoutian (Inventor)

\_\_\_\_\_  
Date

State of \_\_\_\_\_)

County of \_\_\_\_\_)

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

personally appeared Ara Patapoutian (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

Seagate Docket No. : STL17022.00US  
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WHEREAS, I/we Deepak Sridhara of 4500 Baseline Road, Apt. 4103, Boulder, CO 80303; Arvind Sridharan of 2727 Nelson Road, Apt. K201, Longmont, CO 80503; and Ara Patapoutian of 5 Lyford Road, Hopkinton, MA 01748, are the inventor(s) of an invention entitled USING A SOFT DECODER WITH HARD DATA 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.

\_\_\_\_\_  
Deepak Sridhara (Inventor)

\_\_\_\_\_  
Date

State of \_\_\_\_\_)

County of \_\_\_\_\_)

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

personally appeared Deepak Sridhara (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

\_\_\_\_\_  
Arvind Sridharan (Inventor)

\_\_\_\_\_  
Date

State of \_\_\_\_\_)

County of \_\_\_\_\_)

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

personally appeared Arvind Sridharan (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

Ara Patapoutian  
Ara Patapoutian (Inventor)

4/11/2012  
Date

State of Massachusetts

County of Worcester

On April 11, 2012 before me, Carrie Golden, Notary Public  
(insert name and title of the officer)

personally appeared Ara Patapoutian (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 Carrie Golden (Seal)  
Signature of Notary Public



CARRIE GOLDEN  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires  
May 18 2012