

5-18-05  
**PATENT RECO  
COVER**

05-24-2005



Attorney Docket No.  
S01.12-1080/STL 12595

To the Honorable Director:  
attached original document of **103007996**

and Trademark Office: Please record the

1. Name of conveying party(ies):

- (1) Cenk Argon
- (2) Richard Martin Born
- (3) Gregory Lee Silvus
- (4) Thomas Victor Souvignier
- (5) Peter Igorevich Vasiliev

Additional name(s) of conveying party(ies)  
attached? [ ] Yes [X] No

2. Name and address of receiving  
party(ies):

Name: Seagate Technology LLC

Internal Address: \_\_\_\_\_

Street Address: 920 Disc Drive

City Scotts Valley State CA ZIP 95066

Additional name(s) & address(es) attached?  
[ ] Yes [X] No

118010 U.S. PTD  
11/131518  
051805

3. Nature of Conveyance:

- [X] Assignment [ ] Merger
- [ ] Security Agreement
- [ ] Change of Name [ ] Other \_\_\_\_\_

Execution Date: 1) May 16, 2005; 2) May 2, 2005;  
3) May 2, 2005; 4) May 2, 2005; and 5) May 2, 2005

4A. Application No. (s)

Filed herewith entitled "LOW COMPLEXITY PSEUDO-  
RANDOM INTERLEAVER"

If this document is being filed together with a  
new application, the execution date(s) of the  
application is: 1) May 15, 2005; 2) May 2, 2005;  
3) May 2, 2005; 4) May 2, 2005; and 5) May 2, 2005

Additional numbers attached? [ ] Yes [X] No

4B. Patent No. (s)

Additional numbers attached?  
[ ] Yes [x] No

5. Name and address of party to whom corres-  
pondence concerning document should be mailed:

Name: David C. Bohn  
Street Address: Westman, Champlin & Kelly, P.A  
Suite 1600  
International Centre  
900 Second Avenue South  
City: Minneapolis State: MN ZIP 55402

6. Total number of applications and  
patents involved: [1]

7. Total fee (37 CFR 3.41):.....\$ 40.00

8. Method of Payment

- [X] Enclosed
- [X] The Director is authorized to  
charge payment of any additional  
recording fees or credit any  
overpayment to deposit account  
No. 23-1123.

05/23/2005 6TON11 00000117 11131518

01 FC:8021

40.00 DP

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any  
attached copy is a true copy of the original document.

David C. Bohn  
Name of Person Signing

*David C. Bohn*  
Signature

18 May 2005  
Date

Total number of pages submitted: [4]

**PATENT**  
**REEL: 016583 FRAME: 0980**

**PATENT RECORDATION FORM  
COVER SHEET**

Attorney Docket No.  
S01.12-1080/STL 12595

To the Honorable Director of the United States Patent and Trademark Office: Please record the attached original document or copy thereof.

1. Name of conveying party(ies):

- (1) Cenk Argon
- (2) Richard Martin Born
- (3) Gregory Lee Silvus
- (4) Thomas Victor Souvignier
- (5) Peter Igorevich Vasiliev

Additional name(s) of conveying party(ies) attached? [ ] Yes [X] No

2. Name and address of receiving party(ies):

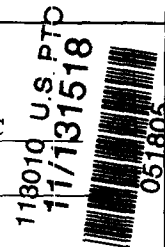
Name: Seagate Technology LLC

Internal Address: \_\_\_\_\_

Street Address: 920 Disc Drive

City Scotts Valley State CA ZIP 95066

Additional name(s) & address(es) attached? [ ] Yes [X] No



3. Nature of Conveyance:

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- [ ] Security Agreement
- [ ] Change of Name [ ] Other \_\_\_\_\_

Execution Date: 1) May 16, 2005; 2) May 2, 2005;  
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Additional numbers attached? [ ] Yes [X] No

4B. Patent No.(s)

Additional numbers attached? [ ] Yes [X] No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: David C. Bohn  
Street Address: Westman, Champlin & Kelly, P.A.  
Suite 1600  
International Centre  
900 Second Avenue South  
City: Minneapolis State: MN ZIP 55402

6. Total number of applications and patents involved: [1]

7. Total fee (37 CFR 3.41):.....\$ 40.00

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- ☒ Enclosed
- ☒ The Director is authorized to charge payment of any additional recording fees or credit any overpayment to deposit account No. 23-1123.

DO NOT USE THIS SPACE

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To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

David C. Bohn  
Name of Person Signing

*David C. Bohn*  
Signature

18 May 2005  
Date

Total number of pages submitted: [4]

# ASSIGNMENT

Attorney Docket No. : S01.12-1080

Seagate Docket No. : STL 12595

WHEREAS, I/we Cenk Argon of Madison, Wisconsin, USA; Richard Martin Born of Fort Collins, Colorado, USA; Gregory Lee Silvus of Longmont, Colorado, USA; Thomas Victor Souvignier of Longmont, Colorado, USA; and Peter Igorevich Vasiliev of Longmont, Colorado, USA are the inventor(s) of an invention entitled LOW COMPLEXITY PSEUDO-RANDOM INTERLEAVER 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 \_\_\_\_\_, S01.12-1080/STL 12595, 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

WHEREAS, Seagate Technology LLC, a Delaware limited liability company corporation, 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.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 2 day of MAY, Year.

Thomas V. Souvignier  
Thomas Victor Souvignier

STATE OF COLORADO)  
COUNTY OF BOULDER)ss:

On this 2nd day of MAY, 2005, before me personally appeared THOMAS VICTOR SOUVIGNIER  
to me known to be identified herein, and who executed the foregoing instrument, and acknowledged to me that he/she executed the same for the  
uses and purposes herein set forth.

Pat Esterbrook  
Notary Public My Commission Expires  
09/11/2008  
09-11-2008

[SEAL]

IN TESTIMONY WHEREOF, I have hereunto set my hand this 2 day of May, Year.

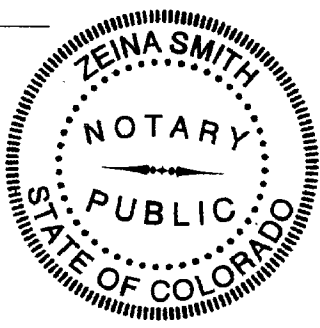
Peter Igorevich Vasiliev  
Peter Igorevich Vasiliev

STATE OF Colorado)  
COUNTY OF Boulder)ss:

On this 2nd day of May, 2005, before me personally appeared Peter Igorevich Vasiliev  
to me known to be identified herein, and who executed the foregoing instrument, and acknowledged to me that he/she executed the same for the  
uses and purposes herein set forth.

Zeina Smith  
Notary Public

Zeina Smith, Notary Public  
State of Colorado  
My Commission Expires 12/2/2005



[SEAL]

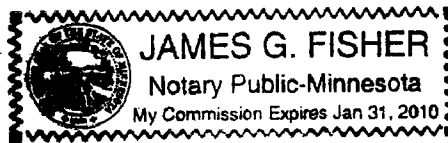
IN TESTIMONY WHEREOF, I have hereunto set my hand this 16 day of MAY, 2005.

Cenk Argon  
Cenk Argon

STATE OF Minnesota)  
COUNTY OF Dakota) ss:

On this 16 day of May, 2005, before me personally appeared Cenk Argon to me known to be identified herein, and who executed the foregoing instrument, and acknowledged to me that he/she executed the same for the uses and purposes herein set forth.

James G. Fisher  
Notary Public



[SEAL]

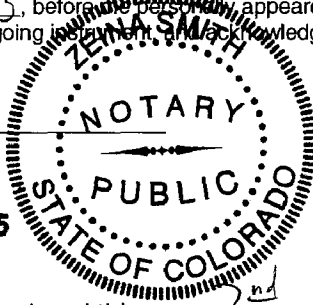
IN TESTIMONY WHEREOF, I have hereunto set my hand this 2nd day of May, Year.

Richard Martin Born  
Richard Martin Born

STATE OF Colorado)  
COUNTY OF Boulder) ss:

On this 2nd day of May, 2005, before me personally appeared Richard Martin Born to me known to be identified herein, and who executed the foregoing instrument, and acknowledged to me that he/she executed the same for the uses and purposes herein set forth.

Zeina Smith  
Notary Public  
Zeina Smith, Notary Public  
State of Colorado  
My Commission Expires 12/2/2005



[SEAL]

IN TESTIMONY WHEREOF, I have hereunto set my hand this 2nd day of May, Year.

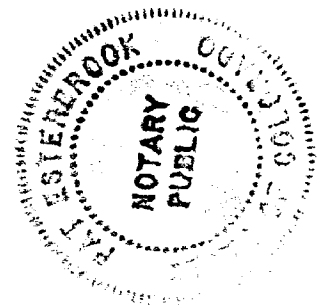
Gregory Lee Silvus  
Gregory Lee Silvus

STATE OF COLORADO)  
COUNTY OF BOULDER) ss:

On this 2nd day of MAY, 2005, before me personally appeared GREGORY LEE SILVUS to me known to be identified herein, and who executed the foregoing instrument, and acknowledged to me that he/she executed the same for the uses and purposes herein set forth.

Pat Esterbrook  
Notary Public

My Commission Expires  
09/11/2008  
09-11-2008



[SEAL]