



102692907

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

3/19/04

PATENT
FINANCIAL SERVICES
MAR 19 2004

In Re the Application of:

MOSER et al.

Serial No.: 10/251,270

Filed: 09/20/2002

Atty. Docket No.: Q01-1088-US1

For: "DEMODULATION OF LOW DENSITY PRINTED MEDIA BURSTS USING INFORMATION FROM HIGHER HARMONICS FOR DISK DRIVE SELF-SERVO WRITING"

Group Art Unit: 2651

Examiner:

Document ID No.: 102518332

RECORDATION OF ASSIGNMENT

U.S. Patent and Trademark Office
Assignment Division
Box Assignments, CG-4
1213 Jefferson Davis Highway, Suite 320
Washington, D.C. 20231

CERTIFICATE OF MAILING
I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HIGHWAY, SUITE 320, WASHINGTON, D.C. 20231, ON THIS <u>2nd</u> DAY OF <u>MARCH</u> , 2004.
 Tonsina R. Krieger

Dear Sir:

Please record the attached original documents or copy thereof:

1. Name of conveying party(ies):

Michael Anthony Moser

Ara Patapoutian

Peter McEwen (deceased) by John McEwen, executor

Bin Liu

Bruce Buch

(03/11/2004 6T0N11 00000025 502198 10251270
01 FC:8021 40.00 DA)

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

Maxtor Corporation
2452 Clover Basin Drive
Longmont, CO 80503

3. Nature of Conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other: _____

Execution Dates: December 11, 2002 by Michael Anthony Moser
 December 6, 2002 by Ara Patapoutian
 July 20, 2003 by John McEwen, executor,
 on behalf of Peter McEwen (now deceased)
 December 10, 2002 by Bin Liu
 January 14, 2003 by Bruce Buch

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

- A. Patent Application No.(s): 10/251,270
- B. Patent No.(s): None

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

Tejpal S. Hansra
Hansra Patent Services
4525 Glen Meadows Place
Bellingham, WA 98226

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. 3.41).....\$40.00

Enclosed

Any deficiency in payment of recording fee is authorized to be charged to Deposit Account.

Authorized to be charged to Deposit Account.

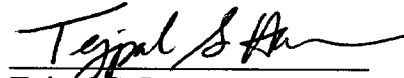
8. Deposit Account Number: 50-2198.

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.

Total number of pages including cover sheet: 33

Respectfully submitted,



Tejpal S. Hansra
Registration No. 38,172
Hansra Patent Services
4525 Glen Meadows Place
Bellingham, WA 98226
(360) 527-1400

Date: MARCH 2, 2004

ASSIGNMENT

WHEREAS, we, Michael Anthony Moser of 910 Briana Ct., San Jose, CA 95120, Ara Patapoutian of 5 Jasper Street ext., Westborough, MA 01581, Peter McEwen of 450 Oak Grove Drive, #216, Santa Clara, CA 95054, Bin Liu of 6282 Joaquin Murieta Ave., Apt. C, Newark, CA 94560, and Bruce Buch of 21 Old Nourse Street, Westborough, MA 01581, have invented a certain new and useful invention entitled "DEMODULATION OF LOW DENSITY PRINTED MEDIA BURSTS USING INFORMATION FROM HIGHER HARMONICS FOR DISK DRIVE SELF-SERVO WRITING", for which an application for Letters Patent of the United States has been prepared and was filed on September 20, 2002, receiving Serial No. 10/251,270, and further identified as Attorney Docket No. Q01-1088-US1;

NOW THEREFORE, be it known that we, the said inventors, for and in consideration of certain good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, at the request of the assignee do sell, assign and transfer unto said assignee, Maxtor Corporation, a Delaware corporation having a place of business at 2452 Clover Basin Drive, Longmont, Colorado 80503, its successors, legal representatives and assigns, the aforesaid application for the territory of the United States of America and all continuation, divisional, continuation-in-part and reissue applications, all patent applications in foreign countries, all applications pursuant to the Patent Cooperation Treaty, and all applications for extension filed or to be filed for the invention, and all Letters Patent, Invention Registrations, Utility Models, Extensions or Reissues and other patent rights, obtained for the invention in the United States or any other country; we also assign any right, title or interest in and to the invention which has not already been transferred to the assignee; we warrant that we have made no assignment of the invention, application or patent therefor to a party other than Maxtor Corporation and we are under no obligation to make any assignment of the invention, application, or patent therefor to any other party; and we further agree to cooperate with the assignee hereunder in the obtaining and sustaining of any and all such Letters Patent and in confirming assignee's exclusive ownership of the invention, but at the expense of said assignee.

The Commissioner of Patents is hereby authorized and requested to issue the Letters Patent solely in accordance with the terms of this Assignment, to Maxtor Corporation, its successors, legal representatives and assigns, as the assignee of the entire right, title and interest therein.

IN WITNESS WHEREOF, the parties hereto have executed this Assignment as of the date indicated hereunder.

Date: Dec. 11, 2002

By: 
Michael Anthony Moser

Date: _____

By: _____
Ara Patapoutian

Date: _____

By: _____
Peter McEwen

Date: _____

By: _____
Bin Liu

Date: _____

By: _____
Bruce Buch

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

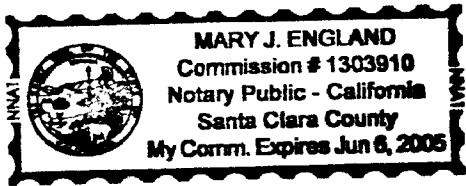
County of Santa Clara } ss.

On Dec. 11, 2002 before me, Mary J. England
Date Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared Michael Anthony Moser
Name(s) of Signer(s)

- personally known to me
- proved to me on the basis of satisfactory evidence

to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s) or the entity upon behalf of which the person(s) acted, executed the instrument.



WITNESS my hand and official seal.
[Signature]
Signature of Notary Public

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: Patent Assignment

Document Date: Dec. 11, 2002 Number of Pages: two

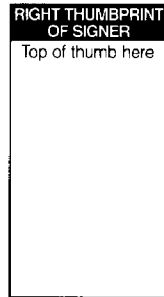
Signer(s) Other Than Named Above: Ara Patapoutian, Peter McEwen, Bin Liu and Bruce Buch

Capacity(ies) Claimed by Signer

Signer's Name: Michael Anthony Moser

- Individual
- Corporate Officer — Title(s): _____
- Partner — Limited General
- Attorney-in-Fact
- Trustee
- Guardian or Conservator
- Other: _____

Signer Is Representing: self



STATE OF)
) ss.
COUNTY OF)

Before me, a Notary Public in and for said County and State, personally appeared Ara Patapoutian, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this _____ day of _____, 2002.

Notary Public

My Commission expires: _____

STATE OF)
) ss.
COUNTY OF)

Before me, a Notary Public in and for said County and State, personally appeared Peter McEwen, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this _____ day of _____, 2002.

Notary Public

My Commission expires: _____

STATE OF)
) ss.
COUNTY OF)

Before me, a Notary Public in and for said County and State, personally appeared Bin Liu, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this _____ day of _____, 2002.

Notary Public

My Commission expires: _____

STATE OF)
) ss.
COUNTY OF)

Before me, a Notary Public in and for said County and State, personally appeared Bruce Buch, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this _____ day of _____, 2002.

Notary Public

My Commission expires: _____

ASSIGNMENT

WHEREAS, we, Michael Anthony Moser of 910 Briana Ct., San Jose, CA 95120, Ara Patapoutian of 5 Jasper Street ext., Westborough, MA 01581, Peter McEwen of 450 Oak Grove Drive, #216, Santa Clara, CA 95054, Bin Liu of 6282 Joaquin Murieta Ave., Apt. C, Newark, CA 94560, and Bruce Buch of 21 Old Nourse Street, Westborough, MA 01581, have invented a certain new and useful invention entitled "DEMODULATION OF LOW DENSITY PRINTED MEDIA BURSTS USING INFORMATION FROM HIGHER HARMONICS FOR DISK DRIVE SELF-SERVO WRITING", for which an application for Letters Patent of the United States has been prepared and was filed on September 20, 2002, receiving Serial No. 10/251,270, and further identified as Attorney Docket No. Q01-1088-US1;

NOW THEREFORE, be it known that we, the said inventors, for and in consideration of certain good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, at the request of the assignee do sell, assign and transfer unto said assignee, Maxtor Corporation, a Delaware corporation having a place of business at 2452 Clover Basin Drive, Longmont, Colorado 80503, its successors, legal representatives and assigns, the aforesaid application for the territory of the United States of America and all continuation, divisional, continuation-in-part and reissue applications, all patent applications in foreign countries, all applications pursuant to the Patent Cooperation Treaty, and all applications for extension filed or to be filed for the invention, and all Letters Patent, Invention Registrations, Utility Models, Extensions or Reissues and other patent rights, obtained for the invention in the United States or any other country; we also assign any right, title or interest in and to the invention which has not already been transferred to the assignee; we warrant that we have made no assignment of the invention, application or patent therefor to a party other than Maxtor Corporation and we are under no obligation to make any assignment of the invention, application, or patent therefor to any other party; and we further agree to cooperate with the assignee hereunder in the obtaining and sustaining of any and all such Letters Patent and in confirming assignee's exclusive ownership of the invention, but at the expense of said assignee.

The Commissioner of Patents is hereby authorized and requested to issue the Letters Patent solely in accordance with the terms of this Assignment, to Maxtor Corporation, its successors, legal representatives and assigns, as the assignee of the entire right, title and interest therein.

IN WITNESS WHEREOF, the parties hereto have executed this Assignment as of the date indicated hereunder.

Date: _____

By: _____
Michael Anthony Moser

Date: 12/6/02

By: 
Ara Patapoutian

Date: _____

By: _____
Peter McEwen

Date: _____

By: _____
Bin Liu

Date: _____

By: _____
Bruce Buch

STATE OF)
) ss.
COUNTY OF)

Before me, a Notary Public in and for said County and State, personally appeared Michael Anthony Moser, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this _____ day of _____, 2002.

Notary Public

My Commission expires: _____

STATE OF *Mass.*)
) ss.
COUNTY OF *Worcester*)

Before me, a Notary Public in and for said County and State, personally appeared Ara Patapoutian, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this *6th* day of *December*, 2002.

Sally A. Gabriella
Notary Public

My Commission expires: *OCT. 22, 2004*

STATE OF)
) ss.
COUNTY OF)

Before me, a Notary Public in and for said County and State, personally appeared Peter McEwen, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this _____ day of _____, 2002.

Notary Public

My Commission expires: _____

STATE OF)
) ss.
COUNTY OF)

Before me, a Notary Public in and for said County and State, personally appeared Bin Liu, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this _____ day of _____, 2002.

Notary Public

My Commission expires: _____

STATE OF)
) ss.
COUNTY OF)

Before me, a Notary Public in and for said County and State, personally appeared Bruce Buch, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this _____ day of _____, 2002.

Notary Public

My Commission expires: _____

ASSIGNMENT

WHEREAS, we, Michael Anthony Moser of 910 Briana Ct., San Jose, CA 95120, Ara Patapoutian of 5 Jasper Street ext., Westborough, MA 01581, Peter McEwen of 450 Oak Grove Drive, #216, Santa Clara, CA 95054, Bin Liu of 6282 Joaquin Murieta Ave., Apt. C, Newark, CA 94560, and Bruce Buch of 21 Old Nourse Street, Westborough, MA 01581, have invented a certain new and useful invention entitled "DEMODULATION OF LOW DENSITY PRINTED MEDIA BURSTS USING INFORMATION FROM HIGHER HARMONICS FOR DISK DRIVE SELF-SERVO WRITING", for which an application for Letters Patent of the United States has been prepared and was filed on September 20, 2002, receiving Serial No. 10/251,270, and further identified as Attorney Docket No. Q01-1088-US1;

NOW THEREFORE, be it known that we, the said inventors, for and in consideration of certain good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, at the request of the assignee do sell, assign and transfer unto said assignee, Maxtor Corporation, a Delaware corporation having a place of business at 2452 Clover Basin Drive, Longmont, Colorado 80503, its successors, legal representatives and assigns, the aforesaid application for the territory of the United States of America and all continuation, divisional, continuation-in-part and reissue applications, all patent applications in foreign countries, all applications pursuant to the Patent Cooperation Treaty, and all applications for extension filed or to be filed for the invention, and all Letters Patent, Invention Registrations, Utility Models, Extensions or Reissues and other patent rights, obtained for the invention in the United States or any other country; we also assign any right, title or interest in and to the invention which has not already been transferred to the assignee; we warrant that we have made no assignment of the invention, application or patent therefor to a party other than Maxtor Corporation and we are under no obligation to make any assignment of the invention, application, or patent therefor to any other party; and we further agree to cooperate with the assignee hereunder in the obtaining and sustaining of any and all such Letters Patent and in confirming assignee's exclusive ownership of the invention, but at the expense of said assignee.

The Commissioner of Patents is hereby authorized and requested to issue the Letters Patent solely in accordance with the terms of this Assignment, to Maxtor Corporation, its successors, legal representatives and assigns, as the assignee of the entire right, title and interest therein.

IN WITNESS WHEREOF, the parties hereto have executed this Assignment as of the date indicated hereunder.


Date: _____

By: _____
Michael Anthony Moser

Date: _____

By: _____
Ara Patapoutian

Date: 7/20/03

By: 
John McEwen, executor,
on behalf of Peter McEwen (now deceased)

Date: _____

By: _____
Bin Liu

Date: _____

By: _____
Bruce Buch

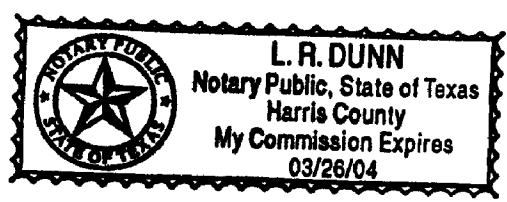
STATE OF)
) ss.
COUNTY OF)

Before me, a Notary Public in and for said County and State, personally appeared Michael Anthony Moser, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this 20th day of JULY, 2003.

[Signature]
Notary Public

My Commission expires: 3-26-04



STATE OF)
) ss.
COUNTY OF)

Before me, a Notary Public in and for said County and State, personally appeared Ara Patapoutian, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this _____ day of _____, 2003.

Notary Public

My Commission expires: _____

STATE OF)
) ss.
COUNTY OF)

Before me, a Notary Public in and for said County and State, personally appeared John McEwen, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this _____ day of _____, 2002.

Notary Public

My Commission expires: _____

STATE OF)
) ss.
COUNTY OF)

Before me, a Notary Public in and for said County and State, personally appeared Bin Liu, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this _____ day of _____, 2003.

Notary Public

My Commission expires: _____

STATE OF)
) ss.
COUNTY OF)

Before me, a Notary Public in and for said County and State, personally appeared Bruce Buch, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this _____ day of _____, 2003.

Notary Public

My Commission expires: _____

ASSIGNMENT

WHEREAS, we, Michael Anthony Moser of 910 Briana Ct., San Jose, CA 95120, Ara Patapoutian of 5 Jasper Street ext., Westborough, MA 01581, Peter McEwen of 450 Oak Grove Drive, #216, Santa Clara, CA 95054, Bin Liu of 6282 Joaquin Murieta Ave., Apt. C, Newark, CA 94560, and Bruce Buch of 21 Old Nourse Street, Westborough, MA 01581, have invented a certain new and useful invention entitled "DEMODULATION OF LOW DENSITY PRINTED MEDIA BURSTS USING INFORMATION FROM HIGHER HARMONICS FOR DISK DRIVE SELF-SERVO WRITING", for which an application for Letters Patent of the United States has been prepared and was filed on September 20, 2002, receiving Serial No. 10/251,270, and further identified as Attorney Docket No. Q01-1088-US1;

NOW THEREFORE, be it known that we, the said inventors, for and in consideration of certain good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, at the request of the assignee do sell, assign and transfer unto said assignee, Maxtor Corporation, a Delaware corporation having a place of business at 2452 Clover Basin Drive, Longmont, Colorado 80503, its successors, legal representatives and assigns, the aforesaid application for the territory of the United States of America and all continuation, divisional, continuation-in-part and reissue applications, all patent applications in foreign countries, all applications pursuant to the Patent Cooperation Treaty, and all applications for extension filed or to be filed for the invention, and all Letters Patent, Invention Registrations, Utility Models, Extensions or Reissues and other patent rights, obtained for the invention in the United States or any other country; we also assign any right, title or interest in and to the invention which has not already been transferred to the assignee; we warrant that we have made no assignment of the invention, application or patent therefor to a party other than Maxtor Corporation and we are under no obligation to make any assignment of the invention, application, or patent therefor to any other party; and we further agree to cooperate with the assignee hereunder in the obtaining and sustaining of any and all such Letters Patent and in confirming assignee's exclusive ownership of the invention, but at the expense of said assignee.

The Commissioner of Patents is hereby authorized and requested to issue the Letters Patent solely in accordance with the terms of this Assignment, to Maxtor Corporation, its successors, legal representatives and assigns, as the assignee of the entire right, title and interest therein.

IN WITNESS WHEREOF, the parties hereto have executed this Assignment as of the date indicated hereunder.

Date: _____ By: _____
Michael Anthony Moser

Date: _____ By: _____
Ara Patapoutian

Date: _____ By: _____
Peter McEwen

Date: 12/10/2002

By: 
Bin Liu

Date: _____

By: _____
Bruce Buch

STATE OF)
) ss.
COUNTY OF)

Before me, a Notary Public in and for said County and State, personally appeared Michael Anthony Moser, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this _____ day of _____, 2002.

Notary Public

My Commission expires: _____

STATE OF)
) ss.
COUNTY OF)

Before me, a Notary Public in and for said County and State, personally appeared Ara Patapoutian, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this _____ day of _____, 2002.

Notary Public

My Commission expires: _____

STATE OF)
) ss.
COUNTY OF)

Before me, a Notary Public in and for said County and State, personally appeared Peter McEwen, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this _____ day of _____, 2002.

Notary Public

My Commission expires: _____

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California }
County of Santa Clara } ss.

On Dec. 10, 2002 before me, Mary J. England,
Date Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared Bin Liu
Name(s) of Signer(s)

- personally known to me
- proved to me on the basis of satisfactory evidence

to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity(ies), and that by his/~~her/their~~ signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



WITNESS my hand and official seal.

Mary J. England
Signature of Notary Public

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: Patent Assignment

Document Date: Dec. 10, 2002 Number of Pages: two

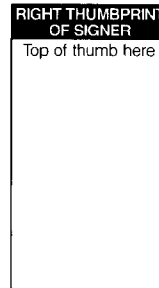
Signer(s) Other Than Named Above: Michael Anthony Moser, Ara Petapoutian, Peter McEwen, and Bruce Buch

Capacity(ies) Claimed by Signer

Signer's Name: Bin Liu

- Individual
- Corporate Officer — Title(s): _____
- Partner — Limited General
- Attorney-in-Fact
- Trustee
- Guardian or Conservator
- Other: _____

Signer Is Representing: self



STATE OF)
) ss.
COUNTY OF)

Before me, a Notary Public in and for said County and State, personally appeared Bruce Buch, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this _____ day of _____, 2002.

Notary Public

My Commission expires: _____

ASSIGNMENT

WHEREAS, we, Michael Anthony Moser of 910 Briana Ct., San Jose, CA 95120, Ara Patapoutian of 5 Jasper Street ext., Westborough, MA 01581, Peter McEwen of 450 Oak Grove Drive, #216, Santa Clara, CA 95054, Bin Liu of 6282 Joaquin Murieta Ave., Apt. C, Newark, CA 94560, and Bruce Buch of 21 Old Nourse Street, Westborough, MA 01581, have invented a certain new and useful invention entitled "DEMODULATION OF LOW DENSITY PRINTED MEDIA BURSTS USING INFORMATION FROM HIGHER HARMONICS FOR DISK DRIVE SELF-SERVO WRITING", for which an application for Letters Patent of the United States has been prepared and was filed on September 20, 2002, receiving Serial No. 10/251,270, and further identified as Attorney Docket No. Q01-1088-US1;

NOW THEREFORE, be it known that we, the said inventors, for and in consideration of certain good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, at the request of the assignee do sell, assign and transfer unto said assignee, Maxtor Corporation, a Delaware corporation having a place of business at 2452 Clover Basin Drive, Longmont, Colorado 80503, its successors, legal representatives and assigns, the aforesaid application for the territory of the United States of America and all continuation, divisional, continuation-in-part and reissue applications, all patent applications in foreign countries, all applications pursuant to the Patent Cooperation Treaty, and all applications for extension filed or to be filed for the invention, and all Letters Patent, Invention Registrations, Utility Models, Extensions or Reissues and other patent rights, obtained for the invention in the United States or any other country; we also assign any right, title or interest in and to the invention which has not already been transferred to the assignee; we warrant that we have made no assignment of the invention, application or patent therefor to a party other than Maxtor Corporation and we are under no obligation to make any assignment of the invention, application, or patent therefor to any other party; and we further agree to cooperate with the assignee hereunder in the obtaining and sustaining of any and all such Letters Patent and in confirming assignee's exclusive ownership of the invention, but at the expense of said assignee.

The Commissioner of Patents is hereby authorized and requested to issue the Letters Patent solely in accordance with the terms of this Assignment, to Maxtor Corporation, its successors, legal representatives and assigns, as the assignee of the entire right, title and interest therein.

IN WITNESS WHEREOF, the parties hereto have executed this Assignment as of the date indicated hereunder.

Date: _____

By: _____
Michael Anthony Moser

Date: _____

By: _____
Ara Patapoutian


Date: _____

By: _____
Peter McEwen

Date: _____

By: _____
Bin Liu

Date: 14 - JAN - 03

By: 

Bruce Buch

STATE OF)
) ss.
COUNTY OF)

Before me, a Notary Public in and for said County and State, personally appeared Michael Anthony Moser, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this _____ day of _____, 2002.

Notary Public

My Commission expires: _____

STATE OF)
) ss.
COUNTY OF)

Before me, a Notary Public in and for said County and State, personally appeared Ara Patapoutian, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this _____ day of _____, 2002.

Notary Public

My Commission expires: _____

STATE OF)
) ss.
COUNTY OF)

Before me, a Notary Public in and for said County and State, personally appeared Peter McEwen, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this _____ day of _____, 2002.

Notary Public

My Commission expires: _____

STATE OF)
) ss.
COUNTY OF)

Before me, a Notary Public in and for said County and State, personally appeared Bin Liu, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this _____ day of _____, 2002.

Notary Public

My Commission expires: _____

STATE OF *Massachusetts*)
) ss.
COUNTY OF *Worcester*)

Before me, a Notary Public in and for said County and State, personally appeared Bruce Buch, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and considerations therein expressed.

Given under my hand and seal of office this 14 day of January, 2002.

Janece A Wheeler
Notary Public

My Commission expires: 11-22-07