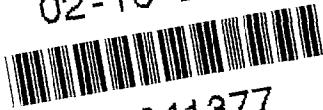


Collective MED 24-65-7-19-04

PATEN

02-15-2005



102941377

Attorney Docket No.: 169.12-0601 -- ks

To the Commissioner

Assignment Recordation Services - Please record the attached copy thereof.

1. Name of conveying party(ies):

- (1) Roger L. Hipwell, Jr.
- (2) Kyle M. Bartholomew
- (3) Lance E. Stover
- (4) Wayne A. Bonin
- (5) Jeremy A. Thurn
- (6) Zine-Eddine Boutaghrou

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of Conveyance:

☐ Assignment ☐ Merger ☐ Security Agreement
☐ Change of Name ☒ Other Corrective Assignment error
Relates to inside Assignment document previously recorded at Reel

014779, Frame 0221

Execution Date: October 23, 2003, October 23, 2003, October 24, 2003,
October 24, 2003, October 24, 2003, and October 28, 2003

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

Name: Seagate Technology LLC

Internal Address: _____

Street Address: 920 Disc Drive

City: Scotts Valley, State: California ZIP 95066

Additional name(s) & address(es) attached? ☐ Yes ☒ No

RECEIVED
FEB 11 AM 11:13
OPR/FINANCE

4A. Application No.(s)

10/729,472 filed December 5, 2003

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

Additional numbers attached? ☐ Yes ☒ No

4B. Patent No.(s)

Additional numbers attached? ☐ Yes ☐ No

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

Name: David R. Fairbairn

Street Address: Kinney & Lange, P.A.,

312 South Third Street

City: Minneapolis State: MN ZIP 55415-1002

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

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

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.

2/3/05
David R. Fairbairn

[Signature]
Date

Total number of pages including cover sheet, attachments and document: [30]

02/14/2005 DBYRNE 00000089 10729472

01 FC:8021

40.00 OP

PATENT
REEL: 016266 FRAME: 0249

ASSIGNMENT

Attorney Docket No. : I69.12-0601

Seagate Docket No. : STL 11436.00

WHEREAS, we Roger L. Hipwell, Jr., 7562 Kimberly Lane, Eden Prairie, MN 55346; Kyle M. Bartholomew, 2616 Florida Avenue South, St. Louis Park, MN 55426; Lance E. Stover, 16291 Hilltop Road, Eden Prairie, MN 55347; Wayne A. Bonin, 21 Black Oak Road, North Oaks, MN 55127; Jeremy A. Thurn, ~~4150 Rahn Road #5, Eagan, MN 55122~~, and Zine-Eddine Boutaghoul, 4 Shadow Lane, North Oaks, MN 55127 are the inventor(s) of an invention entitled TRANSDUCER-LEVEL MICROACTUATOR FOR A DISC DRIVE SYSTEM AND IMPROVED METHOD OF FABTRICATION THEREFOR that is the subject matter of: (Check all that apply)

- 309 1st
Ave NW
Osseo, MN
55369
JT
7-13-04
- ☐ 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 has been executed on even date herewith and/or is identifiable in the United States Patent and Trademark Office by Application No. _____ filed on _____; 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 limited liability company organized and existing under the laws of the State of Delaware and the United States of America, 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, we transfer to Assignee, its successors and assigns, 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 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.

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

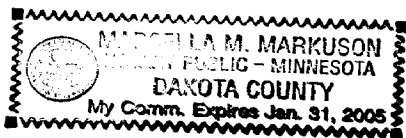
We represent to the Assignee, its successors and assigns, that we have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. We, our executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, 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 23rd day of October, 2003.

Roger L. Hipwell, Jr.
Roger L. Hipwell, Jr.

STATE OF Minnesota)
)ss.
COUNTY OF Hennepin)

On this 23rd day of October, 2003, before me personally appeared Roger L. Hipwell 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.



[SEAL]

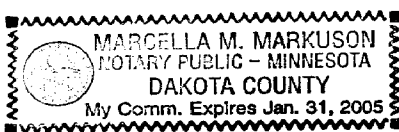
Marcella M. Markuson
Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this 23rd day of October, 2003.

Kyle M. Bartholomew
Kyle M. Bartholomew

STATE OF Minnesota)
)ss.
COUNTY OF Hennepin)

On this 23rd day of October, 2003, before me personally appeared Kyle Bartholomew 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.



[SEAL]

Marcella M. Markuson
Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this 28 day of October, 2003.

Lance E. Stover

Lance E. Stover

STATE OF Minnesota)
)ss.
COUNTY OF Hennepin)

On this 28th day of October, 2003, before me personally appeared Lance E. Stover 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.



[SEAL]

Marcella M. Markuson

Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this 24th day of October, 2003.

Wayne A. Bonin

Wayne A. Bonin

STATE OF Minnesota)
)ss.
COUNTY OF Hennepin)

On this 24th day of October, 2003, before me personally appeared Wayne A. Bonin 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.



[SEAL]

Marcella M. Markuson

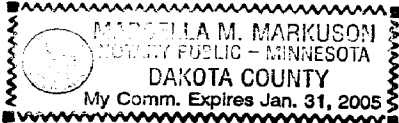
Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this 24th day of October, 2003.

Jeremy A. Thurn
Jeremy A. Thurn

STATE OF Minnesota)
COUNTY OF Hennepin)ss.

On this 24th day of October, 2003, before me personally appeared Jeremy A. Thurn 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.



[SEAL]

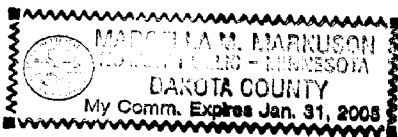
Marcelle M. Markuson
Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this 24th day of October, 2003.

Zine-Eddine Boutaghou
Zine-Eddine Boutaghou

STATE OF Minnesota)
COUNTY OF Hennepin)ss.

On this 24th day of October, 2003, before me personally appeared Zine-Eddine Boutaghou 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.



[SEAL]

Marcelle M. Markuson
Notary Public

ASSIGNMENT

Attorney Docket No. : I69.12-0601

Seagate Docket No. : STL 11436.00

09 1st
NE NW
15500, MN
55369
ST
7-13-04

WHEREAS, we Roger L. Hipwell, Jr., 7562 Kimberly Lane, Eden Prairie, MN 55346; Kyle M. Bartholomew, 2616 Florida Avenue South, St. Louis Park, MN 55426; Lance E. Stover, 16291 Hilltop Road, Eden Prairie, MN 55347; Wayne A. Bonin, 21 Black Oak Road, North Oaks, MN 55127; Jeremy A. Thurn, ~~4158 Rahn Road #5, Eagan, MN 55122~~; and Zine-Eddine Boutaghou, 4 Shadow Lane, North Oaks, MN 55127 are the inventor(s) of an invention entitled TRANSDUCER-LEVEL MICROACTUATOR FOR A DISC DRIVE SYSTEM AND IMPROVED METHOD OF FABTRICATION THEREFOR 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 has been executed on even date herewith and/or is identifiable in the United States Patent and Trademark Office by Application No. _____ filed on _____; 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 limited liability company organized and existing under the laws of the State of Delaware and the United States of America, 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, we transfer to Assignee, its successors and assigns, 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 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.

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

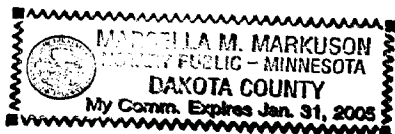
We represent to the Assignee, its successors and assigns, that we have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. We, our executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, 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 23rd day of October, 2003.

Roger L. Hipwell, Jr.
Roger L. Hipwell, Jr.

STATE OF Minnesota)
)ss.
COUNTY OF Hennepin)

On this 23rd day of October, 2003, before me personally appeared Roger L. Hipwell 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.



[SEAL]

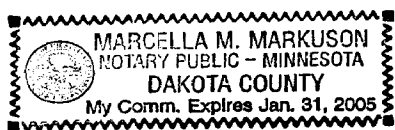
Marcella M. Markuson
Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this 23rd day of October, 2003.

Kyle M. Bartholomew
Kyle M. Bartholomew

STATE OF Minnesota)
)ss.
COUNTY OF Hennepin)

On this 23rd day of October, 2003, before me personally appeared Kyle Bartholomew 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.



[SEAL]

Marcella M. Markuson
Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this 28 day of October, 2003.

Lance E. Stover

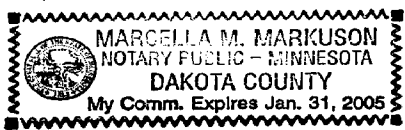
Lance E. Stover

STATE OF Minnesota)

)ss.

COUNTY OF Hennepin)

On this 28th day of October, 2003, before me personally appeared Lance E. Stover 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.



[SEAL]

Marcella M. Markuson

Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this 24th day of October, 2003.

Wayne A. Bonin

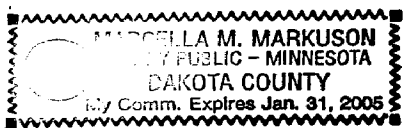
Wayne A. Bonin

STATE OF Minnesota)

)ss.

COUNTY OF Hennepin)

On this 24th day of October, 2003, before me personally appeared Wayne A. Bonin 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.



[SEAL]

Marcella M. Markuson

Notary Public

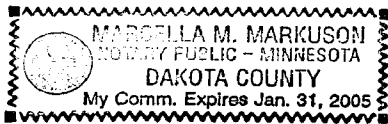
IN TESTIMONY WHEREOF, I have hereunto set my hand this 24th day of October, 2003.



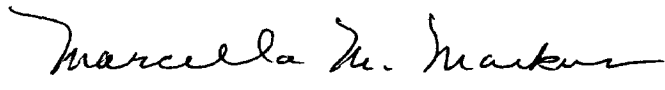
Jeremy A. Thurn

STATE OF Minnesota)
COUNTY OF Hennepin) ss.

On this 24th day of October, 2003, before me personally appeared Jeremy A. Thurn 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.

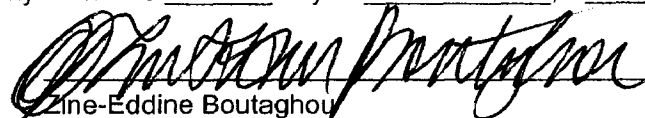


[SEAL]



Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this 24th day of October, 2003.



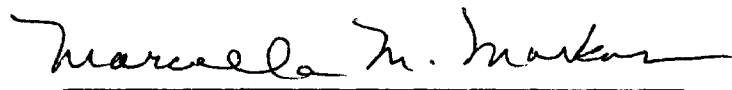
Zine-Eddine Boutaghou

STATE OF Minnesota)
COUNTY OF Hennepin) ss.

On this 24th day of October, 2003, before me personally appeared Zine-Eddine Boutaghou 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.



[SEAL]



Notary Public

ASSIGNMENT

Attorney Docket No. : 169.12-0601

Seagate Docket No. : STL 11436.00

WHEREAS, we Roger L. Hipwell, Jr., 7562 Kimberly Lane, Eden Prairie, MN 55346; Kyle M. Bartholomew, 2616 Florida Avenue South, St. Louis Park, MN 55426; Lance E. Stover, 16291 Hilltop Road, Eden Prairie, MN 55347; Wayne A. Bonin, 21 Black Oak Road, North Oaks, MN 55127; Jeremy A. Thurn, 4158 Rahn Road #5, Eagan, MN 55122; and Zine-Eddine Boutaghou, 4 Shadow Lane, North Oaks, MN 55127 are the inventor(s) of an invention entitled TRANSDUCER-LEVEL MICROACTUATOR FOR A DISC DRIVE SYSTEM AND IMPROVED METHOD OF FABTRICATION THEREFOR 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 has been executed on even date herewith and/or is identifiable in the United States Patent and Trademark Office by Application No. _____ filed on _____; 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 limited liability company organized and existing under the laws of the State of Delaware and the United States of America, 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, we transfer to Assignee, its successors and assigns, 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 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.

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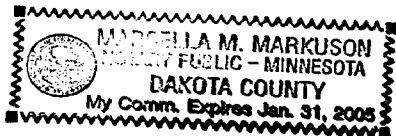
We represent to the Assignee, its successors and assigns, that we have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. We, our executors or administrators, will at any time upon request, without additional consideration, but at the expense of the Assignee, 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 23rd day of October, 2003.

Roger L. Hipwell, Jr.
Roger L. Hipwell, Jr.

STATE OF Minnesota)
)ss.
COUNTY OF Hennepin)

On this 23rd day of October, 2003, before me personally appeared Roger L. Hipwell 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.



[SEAL]

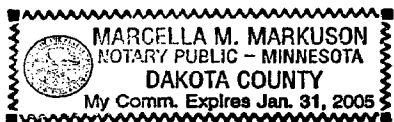
Marcella M. Markuson
Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this 23rd day of October, 2003.

Kyle M. Bartholomew
Kyle M. Bartholomew

STATE OF Minnesota)
)ss.
COUNTY OF Hennepin)

On this 23rd day of October, 2003, before me personally appeared Kyle Bartholomew 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.



[SEAL]

Marcella M. Markuson
Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this 28 day of October, 2003.

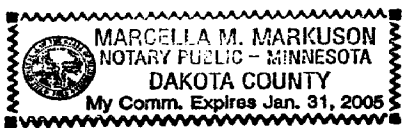
Lance E. Stover

Lance E. Stover

STATE OF Minnesota)
)ss.

COUNTY OF Hennepin)

On this 28th day of October, 2003, before me personally appeared Lance E. Stover 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.



Marcella M. Markuson

Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this 24th day of October, 2003.

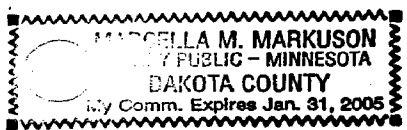
Wayne A. Bonin

Wayne A. Bonin

STATE OF Minnesota)
)ss.

COUNTY OF Hennepin)

On this 24th day of October, 2003, before me personally appeared Wayne A. Bonin 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.



Marcella M. Markuson

Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this 24th day of October, 2003.

Jeremy A. Thurn
Jeremy A. Thurn

STATE OF Minnesota)
COUNTY OF Hennepin) ss.

On this 24th day of October, 2003, before me personally appeared Jeremy A. Thurn 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.



[SEAL]

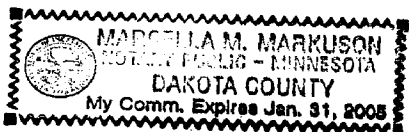
Marcelle M. Markuson
Notary Public

IN TESTIMONY WHEREOF, I have hereunto set my hand this 24th day of October, 2003.

Zine-Eddine Boutaghou
Zine-Eddine Boutaghou

STATE OF Minnesota)
COUNTY OF Hennepin) ss.

On this 24th day of October, 2003, before me personally appeared Zine-Eddine Boutaghou 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.



[SEAL]

Marcelle M. Markuson
Notary Public