

05-02-2002

DEPARTMENT OF COMMERCE

Patent and Trademark Office
Docket No. 146712002000

RECOR



102073397

To the Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

- 1. Chung-Hee CHANG
- 2. Rajiv Y. RANJAN

2-22-02

- Individual(s)
- General Partnership
- Corporation-State
- Association
- Limited Partnership
- Other

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

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

Name: Seagate Technology LLC
 Internal Address:
 Street Address: 920 Disc Drive
 City, State, ZIP: Scotts Valley, California 95066

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

3. Nature of conveyance:

- Assignment
- Security Agreement
- Merger
- Change of Name

Other:

Record to correct assignee's name previously recorded at Reel L 011882 Frame 0004

Execution Date: May 18 2001 and May 23, 2001

4. Application number(s) or patent number(s): 09/873,314

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

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes No

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

Raj S. Davé, Ph.D., J.D.
 Morrison & Foerster LLP
 2000 Pennsylvania Avenue, N.W.
 Washington, D.C. 20006-1888

6. Total number of applications and patents involved: 1

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

- Enclosed
- Authorized to be charged to deposit account, referencing Attorney Docket 146712002000

8. Deposit account number: 03-1952

The Commissioner is hereby authorized to charge any fees under 37 C.F.R. § 1.21 that may be required by this paper, or to credit any overpayment to Deposit Account No. 03-1952.

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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.

Name: Raj S. Davé, Ph.D., J.D.
 Registration No: 42,465

Signature

February 22, 2002

Date

Total number of pages comprising cover sheet, attachments and document: 3

Mail documents to be recorded with required cover sheet information to:

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PATENT
REEL: 012649 FRAME: 0438

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U.S. DEPARTMENT OF COMMERCE

R SHEET

Patent and Trademark Office
Docket No. 146712002000

To the Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

- 1. Chung-Hee Chang
- 2. Rajiv Y. Ranjan

06/05/01

- Individual(s)
- Association
- General Partnership
- Limited Partnership
- Corporation-State
- Other

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

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

Name: Seagate Technology, LLC
 Internal Address:
 Street Address: 920 Disc Drive
 City, State, ZIP: Scotts Valley, California 95066

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

3. Nature of conveyance:

- Assignment
- Merger
- Security Agreement
- Change of Name
- Other:

Execution Date: May 18 and May 23, 2001

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: May 17 and May 23, 2001

- A. Patent Application No.(s) 09/873314
- B. Patent No.(s)

Additional numbers attached? Yes No

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

Raj S. Davé, Ph.D., J.D.
 Morrison & Foerster LLP
 2000 Pennsylvania Avenue, N.W.
 Washington, D.C. 20006-1888

6. Total number of applications and patents involved: 1

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

- Enclosed
- Authorized to be charged to deposit account, referencing 7 Attorney Docket 146712002000

8. Deposit account number: 03-1952

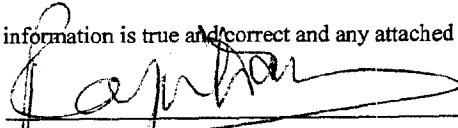
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9. Statement and signature.

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.

Name: Raj S. Davé, Ph.D., J.D.
 Registration No: 42,465


 Signature

June 5, 2001
 Date

Total number of pages comprising cover sheet, attachments and document: 3

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06/08/2001 MAHME1 00000022 09873314

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PATENT
REEL: 012649 FRAME: 0439

PTO
 09/873314
 146712002000
 06/05/01

ASSIGNMENT

Attorney Docket No. : 146712002000

Seagate Docket No. : SEA2968

WHEREAS, I/we Chung-Hee Chang of 46910 Fernald Common, Fremont, CA 94539 and Rajiv Y. Ranjan of 6620 Creek View Ct., San Jose, CA 95120 are the inventor(s) of an invention entitled MAGNETIC ANISOTROPY OF SOFT-UNDERLAYER INDUCED BY SEEDLAYER 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
- 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, 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.

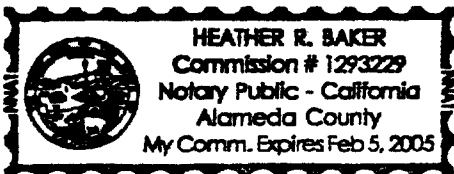
I/We authorize the Assignee, its successors and assigns, to insert in this instrument the filing date(s) and application numbers when ascertained. I/We further authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, 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.

Chung-Hee Chang
Chung-Hee Chang (Inventor)

Subscribed and sworn to before me at Fremont, California, a Notary Public, this 18 day of May, 2001.

(SEAL)



Heather R Baker
Notary Public

Rajiv Y. Ranjan
Rajiv Y. Ranjan (Inventor)

Subscribed and sworn to before me at Fremont, California, a Notary Public, this 23 day of May, 2001.

Heather R. Baker
Notary Public

(SEAL)

