

01-25-2002

At / Ref/Docket No.: 1834.130US1



101970799

To the Honorable Commissioner of Patents and Trademarks

copy thereof.

1. Name of conveying party(ies):

Xiong Liu, WeiLoon Ng, Joseph Cheng-Tsu Liu and
UttHeng Kan

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

Name: Seagate Technology LLC

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

Street Address: 920 Disc Drive

3. Nature of conveyance:

[X] Assignment

[] Merger

[] Security Agreement

[] Change of Name

[] Other

City: Scotts Valley State: CA ZIP: 95066

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

Execution Date: November 15, 2001, November 15, 2001, November 15,
2001, November 20, 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:

A. Patent Application No.(s)

B. Patent No.(s)

Serial No. 09/965,628, filed September 27, 2001

Additional numbers attached? [] Yes [X] No

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

Name: Richard E. Billion

6. Total number of applications and patents involved: 1

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

Address: Schwegman, Lundberg, Woessner & Kluth, P.A.
P.O. Box 2938
Minneapolis, MN 55402

[X] Enclosed

[] Authorized to be charged to deposit account

8. Please charge any additional fees or credit any overpayments to our
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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.

Richard E. Billion/Reg. No. 32,836
Name of Person Signing

Richard E. Billion
Signature

12/21/01
Date

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PATENT
REEL: 012491 FRAME: 0244

ASSIGNMENT

Attorney Docket No.: 1834.130US1

Seagate Docket No.: STL9899

WHEREAS, I/we Xiong Liu of Blk 216, #08-293, Bukit Batok Street 21, Singapore 650216, Singapore, WeiLoon Ng of Blk 251 Kim Keat Link, #05-117, Singapore, Singapore, Joseph Cheng-Tsu Liu of 35 Mount Sinai Avenue, #12-01, Singapore 276955, Singapore and UttHeng Kan of 85 Cashew Road, Cashew Height, #03-04, Singapore 679656, Singapore am/are the inventor(s) of an invention entitled METHOD TO ACHIEVE HIGHER TRACK DENSITY BY ALLOWING ONLY ONE-SIDED TRACK ENCROACHMENT 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. 60/235,609 filed on September 27, 2000 ;
- ☒ an application for Letters Patent which is identifiable in the United States Patent and Trademark Office by Application No. 09/965,628 filed on September 27, 2001 ; 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.

Liu Xiong
Xiong Liu (Inventor)

Subscribed and sworn to before me at Singapore, a witness, this 15 day of Nov, 2001.

(SEAL)

Lim
Witness Lim Aik CHUA

WeiLoon Ng
WeiLoon Ng (Inventor)

Subscribed and sworn to before me at Singapore, a witness, this 15 day of Nov, 2001.

(SEAL)

Lim
Witness Lim Aik CHUAN

Joseph Liu
Joseph Cheng Tsu Liu (Inventor)

Subscribed and sworn to before me at Singapore, a witness, this 20 day of Nov, 2001.

(SEAL)

CHUA CHUAN GIAM
Witness

UttHeng Kan
UttHeng Kan (Inventor)

Subscribed and sworn to before me at Singapore, a witness, this 15 day of Nov, 2001.

(SEAL)

Lim
Witness Lim Aik CHUAN