

06-19-2001

U.S. DEPARTMENT OF COMMERCE

EET

Patent and Trademark Office  
Docket No. 146712001500

101754013

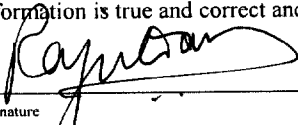
To the Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

<b>1. Name of conveying party(ies):</b> 1. Xiaoding MA 2. Raj THANGARAJ 3. Huan TANG 4. Michael J. STIRNIMAN  <input checked="" type="checkbox"/> Individual(s) <input type="checkbox"/> Association <input type="checkbox"/> General Partnership <input type="checkbox"/> Limited Partnership <input type="checkbox"/> Corporation-State <input type="checkbox"/> Other  Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>2. Name and address of receiving party(ies):</b>  SEAGATE TECHNOLOGY LLC 920 Disc Drive Scotts Valley, California, 95066  Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<b>3. Nature of conveyance:</b>  <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: Execution Date: February 15, 2001			
<b>4. Application number(s) or patent number(s):</b>  If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(s) 09/781,976 Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No B. Patent No.(s)			
<b>5. Name and address of party to whom correspondence concerning document should be mailed:</b>  Raj S. Davé Morrison & Foerster LLP 2000 Pennsylvania Avenue, N.W. Washington, D.C. 20006-1888		<b>6. Total number of applications and patents involved: 1</b>	
		<b>7. Total fee (37 C.F.R. § 3.41): \$40.00</b>  <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account, referencing Attorney Docket 146712001500	
		<b>8. Deposit account number: 03-1952</b>	

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.**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.

Name: Raj S. Davé  
Registration No: 42,465

  
Signature

June 12, 2001  
Date

06/18/2001 TDIAZ1 00000202 09781976 Total number of pages comprising cover sheet, attachments and document: 3  
01 FC:581 40.00 OP

Mail documents to be recorded with required cover sheet information to:  
U.S. Patent and Trademark Office  
Office of Public Records  
Box Assignments  
Crystal Gateway 4, Room 335  
Washington, D.C. 20231

dc-266428

**PATENT**  
**REEL: 011894 FRAME: 0755**

# ASSIGNMENT

Attorney Docket No. : 146712001500

Seagate Docket No. : SEA2920

WHEREAS, I/we Xiaoding Ma of 33894 Cassio Circle, Fremont, California 94555, USA; Raj Thangaraj of 93 Comanche Court, Fremont, California 94539, USA; Huan Tang of 1990 Deodara Dr., Los Altos, California 94024, USA; and Michael J. Stirniman of 2801 Clymer Ln., Fremont, California 94538, USA are the inventor(s) of an invention entitled Zone Bonded Lubrication for Hard Disk Recording 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. 09/781,976 filed on Feb. 14, 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.

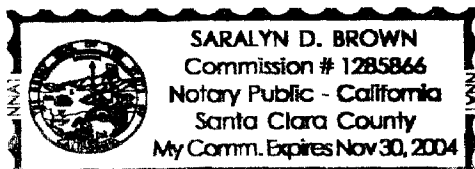
I/We authorize the Assignee, its successors and assigns, to insert in this instrument the filing date(s) and application numbers when ascertained. I/We further authorize the Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection,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

  
Xiaoding Ma (Inventor)

Subscribed and sworn to before me at 47010 Kato Road, a Notary Public, this 15<sup>th</sup> day of February, 20 01.

(SEAL)



  
Notary Public

Raj Thangaraj

Raj Thangaraj (Inventor)

Subscribed and sworn to before me at 47010 Kato Road, a Notary Public, this 15<sup>th</sup> day of February, 2001.

(SEAL)

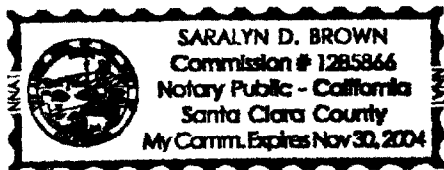


Saralyn D. Brown  
Notary Public

Huan Tang  
Huan Tang (Inventor)

Subscribed and sworn to before me at 47010 Kato Road, a Notary Public, this 15<sup>th</sup> day of February, 2001.

(SEAL)

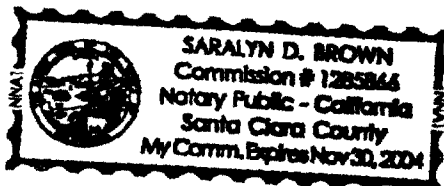


Saralyn D. Brown  
Notary Public

Michael J. Stirniman  
Michael J. Stirniman (Inventor)

Subscribed and sworn to before me at 47010 Kato Road, a Notary Public, this 15<sup>th</sup> day of February, 2001.

(SEAL)



Saralyn D. Brown  
Notary Public