

FORM PTO-1619A  
Expires 06/30/99  
OMB 0651-0027

06-20-2000

J.S. Department of Commerce  
Patent and Trademark Office  
PATENT



101384588

531-00

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To: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

Submission Type

- New
- Resubmission (Non-Recordation)  
Document ID #
- Correction of PTO Error  
Reel #  Frame #
- Corrective Document  
Reel #  Frame #

Conveyance Type

- Assignment  Security Agreement
  - License  Change of Name
  - Merger  Other
- U.S. Government**  
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- Departmental File  Secret File

Conveying Party(ies)

Mark if additional names of conveying parties attached  
Execution Date  
Month Day Year

Name (line 1)

Name (line 2)

Second Party

Execution Date  
Month Day Year

Name (line 1)

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If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2)

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City

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Mail documents to be recorded with required cover sheet(s) information to:  
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PI-354356.01

PATENT  
REEL: 010857 FRAME: 0206

**Domestic Representative Name and Address**

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

**Correspondent Name and Address**

Area Code and Telephone Number

Name

Address (line 1)

Address (line 2)

Address (line 3)

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**Pages** Enter the total number of pages of the attached conveyance document including any attachments. #

**Application Number(s) or Patent Number(s)**  Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

<input type="text" value="09/541,245"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
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If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor. **Month Day Year**

**Patent Cooperation Treaty (PCT)**

Enter PCT application number **PCT**  **PCT**  **PCT**

only if a U.S. Application Number **PCT**  **PCT**  **PCT**

has not been assigned. **PCT**  **PCT**  **PCT**

**Number of Properties**

Enter the total number of properties involved. #

**Fee Amount** Fee Amount for Properties Listed (37 CFR 3.41): \$

Conveying Party(ies)

Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Execution Date  
Month Day Year

Name (line 1) David E. Laughlin

05/20/2000

Name (line 2)

Execution Date  
Month Day Year

Name (line 1)

Name (line 2)

Execution Date  
Month Day Year

Name (line 1)

Name (line 2)

Receiving Party(ies)

Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1)

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3) City State/Country Zip Code

Name (line 1)

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Address (line 1)

Address (line 2)

Address (line 3) City State/Country Zip Code

Application Number(s) or Patent Number(s)

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Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

Grid of 5 rows and 3 columns for Patent Application Number(s)

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Method of Payment:

Enclosed

Deposit Account

Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

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11-1110

Authorization to charge additional fees:

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**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. Charges to deposit account are authorized, as indicated herein.*

Christine R. Ethridge

Name of Person Signing

*Christine R. Ethridge*

Signature

May 31, 2000

Date

For:  U.S. and/or  Foreign Rights  
 For:  U.S. Application or  
 U.S. Provisional Application  
 For:  U.S. Patent  
 For:  PCT Application  
 By: Multiple Inventors

**ASSIGNMENT OF INVENTION (MULTIPLE INVENTORS)**

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

**ASSIGNORS (Inventors):**

<u>Jie Zou</u> (type or print name of inventors)	<u>401 N. Neville Street, Apt. B Pittsburgh, PA 15213</u> Address	<u>CHINA</u> Nationality
<u>David N. Lambeth</u>	<u>118 Buckingham Road Pittsburgh, PA 15215</u>	<u>USA</u>
<u>David E. Laughlin</u>	<u>235 McNary Blvd. Pittsburgh, PA 15235-2737</u>	<u>USA</u>
_____	_____	_____
_____	_____	_____
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hereby sells, assigns and transfers to

ASSIGNEE:

Carnegie Mellon University  
(type or print name of ASSIGNEE)

5000 Forbes Avenue  
Address

(a non-profit Pennsylvania organization)  
Nationality

Pittsburgh, PA 15213

and the successors, assigns and legal representatives of the ASSIGNEE

(complete one of the following)

the entire right, title and interest

an undivided \_\_\_\_\_ percent ( \_\_\_\_\_ %) interest for the United States and its territorial possessions

(check the following box, if foreign rights are also to be assigned)

and in all foreign countries, including all rights to claim priority, in and to any and all improvements which are disclosed in the invention entitled: **ZINC ENHANCED HARD DISK MEDIA**

(check and complete (a), (b), (c), (d), (e), (f) or (g))

and which is found in

(a)  U.S. patent application executed on even date herewith

(b)  U.S. patent application executed on \_\_\_\_\_

(c)  U.S. provisional application naming the above inventor(s) for the above-entitled invention

Express mail label no.: \_\_\_\_\_

Mailed: \_\_\_\_\_

To comply with 37 CFR 3.21 for recordal of this assignment, I, an ASSIGNOR signing below, hereby authorize and request my attorney to insert below the filing date and application number when they become known.

(d)  U.S. application no.: 09/541,245 filed on April 3, 2000

(e)  International application no. PCT / \_\_\_\_\_ / \_\_\_\_\_  
filed on \_\_\_\_\_

(f)  U.S. patent no. \_\_\_\_\_ issued \_\_\_\_\_

A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent separately.

(also check (g), if foreign application(s) is also being assigned)

(g)  and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

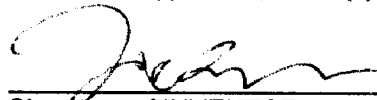


IN WITNESS WHEREOF, We have hereunto set hand and seal this May 20, 2000 Date of signing

WARNING: The date of signing must be the same as the date of execution of the application, if item (a) was checked above.

Jie Zou  
(type name of Inventor)

David N. Lambeth

David E. Laughlin

  
Signature of INVENTOR  
  


Notarization or Legalization Page Added.

NOTE: No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized, then it will only be prima facie evidence of execution. 35 USC 261. Use next page if notarization is desired.

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Zou et al.

Application No.: 09/541,245                      Group No.:  
 Filed: April 3, 2000                              Examiner:  
 For: ZINC ENHANCED HARD DISK MEDIA

**Box: Assignment**  
**Assistant Commissioner for Patents**  
**Washington, DC 20231**

**EXPRESS MAIL CERTIFICATE**"Express Mail" label number EJ164521245USDate of Deposit May 31, 2000

I hereby certify that the following attached paper or fee

**PTO FORM-1619A**  
**ASSIGNMENT OF INVENTION**  
**CHECK PAYABLE TO PTO**

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to, Box: Assignment, Assistant Commissioner for Patents, Washington, DC 20231

Beth H. Retort

(Typed or printed name of person mailing paper or fee)

*Beth H. Retort*  
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