

FORM PTO-1595 (modified)

05/27/2008

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U.S. DEPARTMENT OF COMMERCE

(Rev 6-93)

RECORDA



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To the Director of the United States Patent and Trademark Office

Original documents or copies thereof.

## 1. Name of conveying party(ies):

Xiying CHEN  
Bing K. YEN  
Dat NGUYEN  
Huiwen XU  
George SAMACHISA  
Tanmay KUMAR  
Er-Xuan PING

Additional conveying party(ies)

NO

## 3. Nature of conveyance:

ASSIGNMENT

Execution Date:

May 23, 2008

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

SanDisk 3D LLC  
601 McCarthy Boulevard  
Milpitas, CA 95035-7932

Additional name(s) &amp; address(es) attached?

NO

## 4. Application number(s) or patent number(s):

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

May 23, 2008

A. Patent Application Number(s):

Unassigned

B. Patent Number(s):

Additional numbers attached? NO

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

Leon Radomsky  
FOLEY & LARDNER LLP  
Washington Harbour  
3000 K Street NW, Suite 500  
Washington, D.C. 20007-5143

## 6. Total number of applications/patents involved:

1

## 7. Total fee (37 C.F.R. § 3.41):

\$40.00

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Authorized to be charged to deposit account

## 8. Payment Information

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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. The Commissioner is hereby authorized to charge any additional recordation fees which may be required in this matter to the above-identified deposit account.

Leon Radomsky

Reg. No. 43,445  
Name of person signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: 5

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04 FC:8021 40.00 OP

**ASSIGNMENT - WORLDWIDE**

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor (hereinafter referred to singly and collectively as "ASSIGNOR") has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto

SanDisk 3D LLC  
601 McCarthy Boulevard  
Milpitas, CA 95035-7932

(hereinafter referred to as "ASSIGNEE") its successors and assigns, the full and exclusive right, title and interest for the United States, its territories and possessions, and all foreign countries in and to this invention relating to

**MULTILEVEL NONVOLATILE MEMORY DEVICE CONTAINING A CARBON  
STORAGE MATERIAL AND METHODS OF MAKING AND USING SAME**

as set forth in this United States Patent Application

*check one*      ☒ [ X ] executed concurrently herewith,  
                         ☐ [   ] executed on \_\_\_\_\_,  
                         ☐ [   ] Serial No. Unassigned    Filed \_\_\_\_\_

as well as in and to (a) all improvements and modifications of the above-identified invention or inventions, (b) the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto for above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the International Convention and any other international agreement to which the United States adheres; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY AUTHORIZES ASSIGNEE to file patent applications in any or all countries on the above-identified invention or inventions in the name of the undersigned or in the name of ASSIGNEE or otherwise as ASSIGNEE may deem advisable under the International Convention or otherwise.

**ASSIGNOR HEREBY AUTHORIZES AND REQUESTS** the Commissioner of Patents and Trademarks to issue said Letters Patent to **ASSIGNEE** as assignee of the entire interest, for the sole use and benefit of **ASSIGNEE**, its successors and assigns.

**ASSIGNOR HEREBY AGREES** (a) to communicate to **ASSIGNEE**, its successors and assigns, or their representative or agents, all facts and information known or available to **ASSIGNOR** respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by **ASSIGNEE**; (b) to testify in person or by affidavit as required by **ASSIGNEE**, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by **ASSIGNEE**, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, and declarations, depositions; and (d) to provide all reasonable assistance to **ASSIGNEE**, its successors and assigns, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

**ASSIGNOR HEREBY REPRESENTS AND WARRANTS** that **ASSIGNOR** has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that **ASSIGNOR** has not executed and will not execute any document or instrument in conflict herewith.

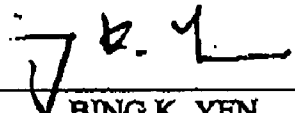
**ASSIGNOR HEREBY GRANTS** to the law firm of **Foley & Lardner LLP** the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

**ASSIGNOR UNDERSTANDS AND AGREES** that the attorneys and agents of the law firm of **Foley & Lardner LLP** do not personally represent **ASSIGNOR** OR **ASSIGNOR**'s legal interests, but instead represent the interests of **ASSIGNEE**; since said attorneys and agents cannot provide legal advice to **ASSIGNOR** with respect to this Assignment, **ASSIGNOR** acknowledges its right to seek its own independent legal counsel.

Executed this 23 day of May, 2008.

  
XIYING CHEN

Executed this 23 day of May, 2008.

13   
BING K. YEN

Executed this 23 day of May, 2008.

  
DAT NGUYEN


Executed this \_\_\_\_\_ day of 5/23/, 2008.

  
HUIWEN XU

Executed this 23 day of May, 2008.

  
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GEORGE SAMACHISA

Executed this 23 day of May, 2008.

  
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TANMAY KUMAR

Executed this 23 day of May, 2008.

  
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ER-XUAN PING