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1. Name of conveying party(ies):

Tanmay KUMAR
Er-Xuan PING
Alper ILKBAHAR

8-7-08

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

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

Additional conveying party(ies) attached? NO

3. Nature of conveyance:

ASSIGNMENT

Execution Date:

June 18, June 19, and July 14, 2008

Additional name(s) & 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:

June 18, June 19,
July 14, 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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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

Name of person signing

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08/08/2008 MAHMED1

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

PATENT
REEL: 021414 FRAME: 0603

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

**METHOD OF MAKING NONVOLATILE MEMORY CELL CONTAINING CARBON
RESISTIVITY SWITCHING AS A STORAGE ELEMENT BY LOW TEMPERATURE
PROCESSING**

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.

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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.

Tanmay Kumar June 18th 2008
TANMAY KUMAR

Er-Xuan Ping
ER-XUAN PING

Alper Ilkbağ 7/14/08
ALPER ILKBAĞ