U.S. PTO 12/289396

Atty. Dkt. No. 035905-027

FORM PTO-1595

(Rev 6-93)

11-10-2008

10/27/2008

U.S. DEPARTMENT OF COMMERC

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Patent and Trademark Offi

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Trademark Office: Please record the attached original documents or copies thereof. Name of conveying party(ies):

To the Directo, J. me

Yung-Tin CHEN - September 29, 2008 Chun-Ming WANG - September 29, 2008 Steven J. RADIGAN - October 24, 2008

Name and address of receiving party(ies):

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

Additional conveying party(ies)

NO

3. Nature of conveyance:

ASSIGNMENT

Execution Date:

SEE ABOVE

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:

September 29, 29, 2008 and October 24, 2008

A. Patent Application Number(s):

B. Patent Number(s):

Unassigned

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:

7. Total fee (37 C.F.R. § 3.41):

\$40.00

1

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PATENT

REEL: 021826 FRAME: 0646

as set forth in this United States Patent Application

Atty. Dkt. No. 035905-0276 MXA-307-US

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

(hereinaster 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 PILLARS USING PHOTORESIST SPACER MASK

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.

Page 1 of 3

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PATENT REEL: 021826 FRAME: 0647

Atty. Dkt. No. 035905-0276 MXA-307-US

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 reissne 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.

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Page 2 of 3

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Executed this 29th day of Septer	nber 2008.
	Jonj Chen YUNG-TIN CHEN
	YUNG-TIN CHEN
Executed this day of	, 20
•	CHUN-MING WANG
Executed this day of	. 20
	STEVEN J. RADIGAN

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> Atty. Dkt. No. 035905-0276 MXA-307-US

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		YUNG-TIN CHEN
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	Cli	TUN-MING WANG
Executed this day of	, 20	
	ST	EVEN J. RADIGAN
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PATENT

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