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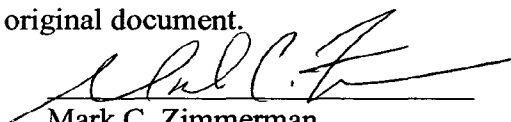
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document or copy thereof.

<p>1. Name of party or parties conveying an interest:</p> <p style="text-align: center; font-size: 2em;">2-2-04</p> <p>Cheolsoo PARK</p>	<p>2. Name and address of party or parties receiving an interest:</p> <p>Name: Dongbu Electronics Co., Ltd., 891-10, Daechi-dong, Gangnam-gu, Seoul, Republic of Korea</p>
<p>3. Description of the interest conveyed:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Change of Name <input type="checkbox"/> Security Agreement</p> <p>Execution Date: December 22, 2003</p>	<p>Other:</p> <p style="text-align: center; transform: rotate(90deg);">OPR/FINANCE 2004 FEB -2 AM 8:15</p>
<p>4. Application number(s) or patent number(s). Additional sheet attached? YES ___ NO <u>X</u></p> <p>A. Patent Application no.(s): 10/746,802 filed December 26, 2003</p>	<p>If the document is being filed together with a new application, the execution date of the application is:</p> <p>B. Patent no.(s):</p>
<p>5. Name and address of party to whom correspondence concerning this cover sheet should be mailed:</p> <p>Name: Mark C. Zimmerman Reg. No. 44,006 GROSSMAN & FLIGHT, LLC Street Address: 20 North Wacker Drive Suite 4220 City: Chicago State: Illinois Zip: 60606</p>	<p>6. Number of applications and/or patents identified on this cover sheet: 1</p> <p>7. Amount of fee enclosed or authorized to be charged: \$40.00</p> <p>8. Any additional required fee may be charged, or any overpayment credited to our deposit account: 50-2455</p>

9. To the best of my knowledge and belief, the information contained on this cover sheet is true and correct and any copy submitted is a true copy of the original document.

Date: January 30, 2004


 Mark C. Zimmerman
 Registration No. 44,006

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

02/03/2004 MSETACHE 00000062 10746802

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A S S I G N M E N T

Serial No: 10/746,802
Filed: December 26, 2003
Title: "Methods of Manufacturing Semiconductor Memory Devices"

For good and valuable consideration, the receipt and sufficiency whereof are hereby acknowledged, the undersigned hereby assigns to Dongbu Electronics Co., Ltd., 891-10 Daechi-dong, Gangnam-gu, Seoul, Korea, (hereinafter "Assignee"), its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States, and in said application and any and all other applications, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States, which may be obtained on any of said applications, and in any reissue or extension thereof.

The undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee.

The undersigned hereby authorizes and requests the attorneys of record in said application to insert in this assignment the execution date and/or filing date and serial number of said application when officially known.

The undersigned warrants himself to be the owner of the interest herein assigned and to have the right to make this assignment and further warrants that there are no outstanding prior assignments, licenses, or other rights in the interest herein assigned.

For said consideration the undersigned hereby agrees, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all divisional, continuation, continuation-in-part and substitute applications for said invention or improvements, and any necessary oath or affidavit relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application, that said assignee, its successors or assigns, may deem necessary or expedient, and for said consideration the undersigned further agrees upon the request of said assignee, its successors or assigns, in the event of any application or Letters Patent assigned herein becoming involved in Interference, to cooperate to the best of the ability of the undersigned with said assignee, its successors or assigns, in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof, the undersigned hereby agreeing to perform, upon request, any and all affirmative acts to obtain said Letters Patent, and vest all rights therein hereby conveyed in said assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by said assignee, its successors and assigns, to the full end of the term for which said Letters Patent may be granted as fully and

entirely as the same would have been held and enjoyed by the undersigned if this assignment and sale had not been made.

Date: December 22, 2003

Signature Cheolsoo Park

Name Cheolsoo PARK

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