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06-28-2000

Washington, D.C. 20231

FORM PTO-1619A



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U.S. DEPARTMENT OF COMMERCE

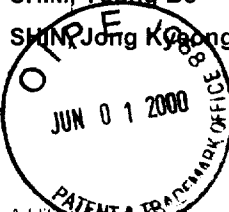
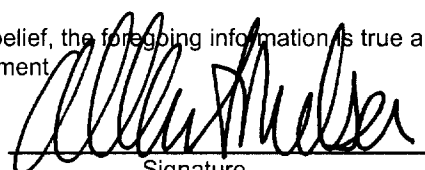
(Rev. 6-99)

Patent and Trademark Office

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To the Honorable Commi.

Please return the attached original document or copy thereof.

<p>1. Submission Type</p> <p><input checked="" type="checkbox"/> New</p> <p><input type="checkbox"/> Resubmission (Non-Recordation) Document ID # _____</p> <p><input type="checkbox"/> Correction of PTO Error Reel # _____ Frame # _____</p> <p><input type="checkbox"/> Corrective Document Reel # _____ Frame # _____</p>	<p>2. Name of Conveying Party(ies):</p> <p>SHIM, Young Bo SHIM, Jong Kyong</p>  <p>Additional name(s) of conveying party(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>		
<p>3. Name and Address of Receiving Party(ies):</p> <p>Name: <u>Hyundai Electronics Industries Co., Ltd.</u></p> <p>Street Address: <u>San 136-1, Ami-ri, Bubal-eub,</u> <u>Ichon-shi</u></p> <p>City: <u>Kyongki-do</u></p> <p>State/Country: <u>Korea</u> Zip: _____</p> <p>Additional name(s) & address(es) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>4. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger</p> <p><input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name</p> <p><input type="checkbox"/> Other: _____</p> <p>Execution Date: <u>11221999</u></p>		
<p>5. Application number(s) or patent number(s):</p> <p>If this document is being filed together with a new application,</p> <p><input checked="" type="checkbox"/> the first execution date of the application is : <u>11221999</u></p> <p><input checked="" type="checkbox"/> the filing date of the application is : <u>12271999</u></p> <table border="1"> <tr> <td data-bbox="178 1113 836 1218"> <p>A. Patent Application No.(s) <u>09472608</u></p> </td> <td data-bbox="836 1113 1445 1218"> <p>B. Patent No.(s)</p> </td> </tr> </table>		<p>A. Patent Application No.(s) <u>09472608</u></p>	<p>B. Patent No.(s)</p>
<p>A. Patent Application No.(s) <u>09472608</u></p>	<p>B. Patent No.(s)</p>		
<p>6 Name and address of party to whom correspondence concerning this matter should be mailed:</p> <p>CUSTOMER NUMBER 00136</p> <p>or</p> <p>JACOBSON, PRICE, HOLMAN & STERN, PLLC 400 Seventh Street, N.W. Washington, DC 20004 Tel. 202-638-6666</p> <p>Attorney Docket No. <u>P64316US0</u></p>	<p>7. Number of applications and patents <input type="text" value="1"/></p> <p>8. Total fee (37 CFR 3.41) \$ <u>40.00</u></p> <p><input checked="" type="checkbox"/> Enclosed</p> <p><input checked="" type="checkbox"/> Any deficiencies in enclosed fees are authorized to be charged to deposit account <u>06-1358</u></p>		
<p>06/27/2000 PAGES 00000294 09472608 01 FC:581 40.00 DP</p> <p style="text-align: center;">DO NOT USE THIS SPACE</p>			
<p>10. Statement and Signature.</p> <p>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.</p> <p><u>Allen S. Melser/27,215</u>  <u>June 1, 2000</u></p> <p>Name of Person Signing/ Reg. # Signature Date</p> <p>Total number of pages excluding cover sheet: <input type="text" value="1"/></p>			

ASSIGNMENT OF UNITED STATES APPLICATION FOR PATENT

UNFILED APPLICATION-MULTIPLE INVENTORS

Whereas the undersigned (1) Young Bo SHIM, (2) Jong Kyeong SHIN and (3) _____, have invented certain improvements in _____

"PARALLEL TEST CIRCUIT OF SEMICONDUCTOR MEMORY DEVICE"

for which an application for Letters Patent of the United States of America:

<input checked="" type="checkbox"/>	was executed on even date herewith
<input type="checkbox"/>	was filed on _____ and was assigned Application No. _____

Whereas, Hyundai Electronics Industries Co., Ltd., (hereinafter referred to as Assignee) a corporation of Korea and having an address San 136-1, Ami-ri, Bubal-eub, Ichon-shi, Kyoungki-do, Korea, is desirous of acquiring an interest therein and in the Letters Patent to be obtained therefor:

NOW, THEREFORE, in consideration of One Dollare (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledge, the undersigned by these presents, hereby assing, sell and transfer unto the said Assignee, for the territory of the United States of America, all right, title and interest in and to said invention and application, and any and all divisions or continuations thereof, and in and to any Letters Patent that may be granted therefor together with any reissues, extensions or renewals thereof, the same to be held and enjoyed by the Assignee for Assignee's own use and behoof, and for Assignee's legal representatives, 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 by the undersigned had this Assignment and same nto been made; and the udnersigned, and legal representatives thereof, hereby covenant and agree to execute and deliver any and all paters, and do all lawful acts that said Assignee may consider necessary or advisable to perfect title to said invention and to obtain Letters Patent therefor, and agree at any time upon request, to communicate to said Assignee, Assignee's successors, and agree at any time upon request, to communicate to said Assignee, Assignee's successors and assigns, such facts relating to said invetnion and letters Patent or the interferences, opposition as may be known to the undersigned and testify as to the same in any interferences, opposition or other litigation, when requested to do so, all without further consideration than that now paid, but at the expense of the said Assignee, Assignee's successors or assigns.

We authorize our attorneys at THELEN REID & PRIEST L.L.P. to insert into this Assignment document any identifying information concerning this patent application, such as its title, filing date and application number.

First Inventor Young Bo SHIM

Nov. 22, 1999

Date

Second Inventor Jong Kyeong SHIN

Nov. 22, 1999

Date

Third Inventor

Date

Fourth Inventor

Date

THELEN REID & PRIEST L.L.P.

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