

PATENT ASSIGNMENT

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| SUBMISSION TYPE: | | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | | ASSIGNMENT |
| CONVEYING PARTY DATA | | |
| Name | | Execution Date |
| Sang-Hee LEE | | 12/03/2008 |
| RECEIVING PARTY DATA | | |
| Name: | Hynix Semiconductor, Inc. | |
| Street Address: | San 136-1, Ami-ri, Bubal-eup, Icheon-si | |
| City: | Gyeonggi-do | |
| State/Country: | REPUBLIC OF KOREA | |
| Postal Code: | 467-701 | |
| PROPERTY NUMBERS Total: 1 | | |
| Property Type | Number | |
| Application Number: | 12327754 | |
| CORRESPONDENCE DATA | | |
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| Correspondent Name: | Steven M. Rabin | |
| Address Line 1: | Suite 500, 1101 14th Street, N.W. | |
| Address Line 4: | Washington, DISTRICT OF COLUMBIA 20005 | |
| ATTORNEY DOCKET NUMBER: | SHIN-283 | |
| NAME OF SUBMITTER: | Steven M. Rabin - 29,102 | |
| Total Attachments: 1 source=P08H5023US_SHIN283_ASG#page1.tif | | |

OP \$40.00 12327754

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS LEE, Sang-Hee,
hereinafter referred to collectively as the assignor, has invented a certain improvement relating to _____
SEMICONDUCTOR MEMORY DEVICE AND METHOD FOR OPERATING THE SAME

[X] the inventor(s) declaration for said application being executed concurrently with the execution of this instrument; said application to be filed in the United States Patent and Trademark Office;
[] said application having been filed in the United States Patent and Trademark Office on _____, authorization being hereby given to my attorneys, Steven M. Rabin, Robert H. Berdo, Jr., Phillip G. Avruch, and Allen Wood of RABIN & BERDO, P.C., 1101 14th Street, N.W., Washington, D.C. 20005, to insert here in parentheses (Application Serial No. _____) the application serial number of said application when known;

AND WHEREAS Hynix Semiconductor, Inc. of San 136-1, Ami-ri, Bubal-eup, Icheon-si, Gyeonggi-do 467-701, Republic of Korea, hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof;

NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

EXECUTED, this 3 day of December, 2008.

WITNESSES:
Signature: [Signature]
Name: KIM, Hyo-Jin
Address: Seoul

ASSIGNOR:
Signature Lee Sang Hee
Name: LEE, Sang-Hee

Signature: _____
Name: _____
Address: _____

RABIN & BERDO, P.C., Washington, D.C.