

PATENT ASSIGNMENT

Electronic Version v1.1
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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| KYONG HA LEE | 06/22/2010 |
| JOO HYEON LEE | 06/22/2010 |
| 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 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 12824882 |
| CORRESPONDENCE DATA | |
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| ATTORNEY DOCKET NUMBER: | CU-8153 BWH/HYNIX/NK |
| NAME OF SUBMITTER: | Brian W. Hameder |
| Total Attachments: 2 source=cu8153assign#page1.tif source=cu8153assign#page2.tif | |

CH \$40.00 12824882

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PATENT
REEL: 024604 FRAME: 0030

UNITED STATES OF AMERICA
ASSIGNMENT

In consideration of the payment of ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for the other good and valuable consideration,

ASSIGNOR:

LEE, Kyong Ha
#1105-1303, Seohai Grandbleu Apt., Hosu Maeul, Dongbaek-dong, Giheung-gu, Yongin-si,
Gyeonggi-do, Republic of Korea

and

LEE, Joo Hyon
#1411-301, Kunyoung Apt., Yeonhwa Maeul, Jung 2-dong, Wonmi-gu, Bucheon-si,
Gyeonggi-do, Republic of Korea

hereby sell, assign and transfer to

ASSIGNEE:

Hynix Semiconductor Inc.
San 136-1, Ami-ri, Bubal-eup, Icheon-si, Gyeonggi-do, Republic of Korea

and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest for the United States and its territorial possessions in and to, any and all improvements which are disclosed in the Application entitled

ADDRESS CONTROL CIRCUIT AND SEMICONDUCTOR MEMORY DEVICE

which application was

☒ (a) executed on event date herewith

☐ (b) filed as Serial No. _____ on _____

and, in and to all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, substitute, reissue or re-examination thereof.

ASSIGNOR hereby covenants that no assignment, sale agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I/we have set our hand and seal

June 22, 2010

Date

0699P/1 (U.S. rights)

June 22, 2010

Date

0699P/1 (U.S. rights)

Lee Kyong Ha

INVENTOR LEE, Kyong Ha

Lee Joo Hyeon

INVENTOR LEE, Joo Hyeon

PATENT

RECORDED: 06/28/2010

REEL: 024604 FRAME: 0032