

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| SEUNG WOOK KWAK | 12/18/2008 |
| RECEIVING PARTY DATA | |
| Name: | HYNIX SEMICONDUCTOR INC. |
| Street Address: | San 136-1, Ami-ri, Bubal-eub, Ichon-si |
| City: | Gyeonggi-do |
| State/Country: | REPUBLIC OF KOREA |
| Postal Code: | 467-860 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 12345763 |
| CORRESPONDENCE DATA | |
| Fax Number: | (312)427-6663 |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> | |
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| Correspondent Name: | RICHARD J. STREIT |
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| Address Line 4: | CHICAGO, ILLINOIS 60604 |
| ATTORNEY DOCKET NUMBER: | CU-7192 WWP/NK |
| NAME OF SUBMITTER: | Woochoon W. Park |
| Total Attachments: 2 source=cu7192assign#page1.tif source=cu7192assign#page2.tif | |

CH \$40.00 12345763

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PATENT
REEL: 022048 FRAME: 0885

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:

KWAK, Seung Wook
San 136-1, Ami-ri, Bubal-eub, Ichon-si, Gyeonggi-do 467-860, Republic of
Korea

hereby sells, assigns and transfers to

ASSIGNEE:

Hynix Semiconductor Inc.
San 136-1, Ami-ri, Bubal-eub, Ichon-si, Gyeonggi-do 467-860, 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

**SEMICONDUCTOR INTEGRATED CIRCUIT WITH DATA BUS INVERSION
FUNCTION**

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

2008.12.18

Date

Kwak Seung Wook

KWAK, Seung Wook

0699P/1 (U.S. rights)

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