

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Taek-Sang SONG</td><td>06/30/2008</td></tr><tr><td>Kyung-Hoon KIM</td><td>06/30/2008</td></tr><tr><td>Dae-Han KWON</td><td>06/30/2008</td></tr><tr><td>Dae-Kun YOON</td><td>06/30/2008</td></tr></tbody></table>	Name	Execution Date	Taek-Sang SONG	06/30/2008	Kyung-Hoon KIM	06/30/2008	Dae-Han KWON	06/30/2008	Dae-Kun YOON	06/30/2008	
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Taek-Sang SONG	06/30/2008										
Kyung-Hoon KIM	06/30/2008										
Dae-Han KWON	06/30/2008										
Dae-Kun YOON	06/30/2008										
RECEIVING PARTY DATA											
Name:	HYNIX SEMICONDUCTOR, INC.										
Street Address:	San 136-1, Ami-ri, Bubal-eub, Icheon-shi										
City:	Gyeonggi-do										
State/Country:	REPUBLIC OF KOREA										
Postal Code:	467-701										
PROPERTY NUMBERS Total: 1											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12165045</td></tr></tbody></table>	Property Type	Number	Application Number:	12165045							
Property Type	Number										
Application Number:	12165045										
CORRESPONDENCE DATA											
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Correspondent Name:	Rabin & Berdo, P.C.										
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ATTORNEY DOCKET NUMBER:	SHIN-199										
NAME OF SUBMITTER:	Steven M. Rabin - Reg. 29,102										
Total Attachments: 2											

OP \$40.00 12165045

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PATENT
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ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS SONG, Taek-Sang and KIM, Kyung-Hoon; and KWON, Dae-Han; and YOON, Dae-Kun

hereinafter referred to collectively as the assignor, has invented a certain improvement relating to _____

CLOCK SYNCHRONIZATION CIRCUIT AND OPERATION METHOD THEREOF

[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;

[x] said application having been filed in the United States Patent and Trademark Office on

June 30, 2008, 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. 12/165,045) the application serial number of said application when known;

AND WHEREAS Hynix Semiconductor, Inc. of San 138-1, Ami-ni, Bubal-eub, 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 30 day of June, 2008.

WITNESSES:

Signature: _____

Name: HUANG, Ji-Yeon

Address: Seoul

Signature: _____

Name: _____

Address: _____

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

ASSIGNOR:

Signature: Taek-Sang Song

Name: SONG, Taek-Sang

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

Page 2 of 2

WITNESSES:

Signature: [Signature]
Name: HUANG, Ji-Yeon
Address: Seoul

Signature: _____
Name: _____
Address: _____

WITNESSES:

Signature: [Signature]
Name: HUANG, Ji-Yeon
Address: Seoul

Signature: _____
Name: _____
Address: _____

WITNESSES:

Signature: [Signature]
Name: HUANG, Ji-Yeon
Address: Seoul

Signature: _____
Name: _____
Address: _____

ASSIGNOR:

Signature: [Signature]
Name: KIM, Kyung-Hoon

ASSIGNOR:

Signature: [Signature]
Name: KWON, Dae-Han

ASSIGNOR:

Signature: [Signature]
Name: YOON, Dae-Kun

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