

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the the Last Inventor's Name to Chang-Kun PARK previously recorded on Reel 022891 Frame 0292. Assignor(s) hereby confirms the Assignment.

CONVEYING PARTY DATA

Name	Execution Date
Yong-Ju KIM	06/30/2009
Sung-Woo HAN	06/30/2009
Hee-Woong SONG	06/30/2009
Ic-Su OH	06/30/2009
Hyung-Soo KIM	06/30/2009
Tae-Jin HWANG	06/30/2009
Hae-Rang CHOI	06/30/2009
Ji-Wang LEE	06/30/2009
Jae-Min JANG	06/30/2009
Chang-Kun PARK	06/30/2009

RECEIVING PARTY DATA

Name:	Hynix Semiconductor, Inc.
Street Address:	San 136-1, Ami-ri, Bubal-eup
City:	Icheon-si, Gyeonggi-do
State/Country:	REPUBLIC OF KOREA
Postal Code:	467-701

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12494509

CORRESPONDENCE DATA

Fax Number: (703)865-5150
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
 Phone: 703-652-3820
 Email: jbak@mannavakang.com

OP \$40.00 12494509

Correspondent Name: Jung Kim
Address Line 1: 11240 Waples Mill Road
Address Line 2: Suite 300
Address Line 4: Fairfax, VIRGINIA 22030

ATTORNEY DOCKET NUMBER:	P08HC055/US
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NAME OF SUBMITTER:	Jung H. Kim
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Total Attachments: 6
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TO:MANNAVA & KANG, P.C. CC ANY:11240 WAPLES MILL ROAD

PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.106/30/2009
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SUBMISSION TYPE:	NEW ASSIGNMENT																						
NATURE OF CONVEYANCE:	ASSIGNMENT																						
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PATENT
REEL: 022932 FRAME: 0117

TO:MANNAVA & KANG, P.C. COMPANY:11240 WAPLES MILL ROAD

Address Line 2:	Suite 300
Address Line 4:	FAIRFAX, VIRGINIA 22030
ATTORNEY DOCKET NUMBER:	P08HC055/US
NAME OF SUBMITTER:	Jung H. Kim
Total Attachments: 2 source=Assignment#page1.tif source=Assignment#page2.tif	

ASSIGNMENT OF PATENT APPLICATION

WHEREAS I/We, the below named inventor(s) has made an invention entitled:
DELAY LOCKED LOOP AND DELAY LOCKING METHOD HAVING BURST TRACKING SCHEME

For which I/We executed an application for Letters Patent of the United States concurrently herewith; and/or
 For which I/We filed an application for Letters Patent of the United States on June 30, 2009 (Application
 No. 12/494,509)

BE IT KNOWN that, for good and valuable consideration, the receipt of which is hereby acknowledged, I/We, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto **Hynix Semiconductor, Inc.**, a corporation of the Republic of Korea, whose post office address is **San 136-1, Ami-ri, Bubal-eup, Icheon-si, Gyeonggi-do 467-701, Republic of Korea** (hereinafter referred to as Assignee), its lawful successors and assigns my/our entire right, title, and interest in and to this application and the invention(s) and improvement(s) set forth therein; and any and all continuations, continuations-in-part, divisionals, and renewals of and substitutes for said application for said Letters Patent and any and all Letters Patent of the United States and of countries foreign thereto; which may be granted thereon or therefore; and any reissues, reexaminations, or extensions of all such Letters Patent.

I/WE HEREBY authorize the Assignee, its lawful successors and assigns to apply for Letters Patent in all countries foreign to the United States directly in its own name, and to claim priority of the filing date of any of the above-mentioned applications for Letters Patent of the United States and of countries foreign thereto under the provisions of any and all international conventions and treaties.

I/WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States and official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as foresaid, to issue all Letters Patent for this invention to the Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY covenant that I/We have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with said Assignee, its successors and assigns, any facts known to me/us respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors and assigns, execute all divisional, continuation, and reissue applications; make all rightful oaths and generally do everything possible to aid said Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and in countries foreign thereto, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

AND, I/WE HEREBY authorize and request the attorneys of record to inscribe the serial number and filing date of said application now identified by the attorney docket number and title set forth above as soon as the same shall have been known to them by the United States Patent and Trademark Office.

IN TESTIMONY WHEREOF, I/We have hereunto set our hands.

Signature of first assignor: Yohng-Ju Kim Date June 30, 2009
 Name of first assignor: **KIM, Yong-Ju**
 Address: **San 136-1, Ami-ri, Bubal-eup, Icheon-si, Gyeonggi-do 467-701, Republic of Korea**

Signature of second assignor: Han SungWoo Date June 30, 2009
 Name of second assignor: **HAN, Sung-Woo**
 Address: **San 136-1, Ami-ri, Bubal-eup, Icheon-si, Gyeonggi-do 467-701, Republic of Korea**

Signature of third assignor: Heewoong Song Date June 30, 2009
Name of third assignor: SONG, Hee-Woong
Address: San 136-1, Ami-ri, Bubal-eup, Icheon-si, Gyeonggi-do 467-701, Republic of Korea

Signature of fourth assignor: Tesu Oh Date June 30, 2009
Name of fourth assignor: OH, Te-Su
Address: San 136-1, Ami-ri, Bubal-eup, Icheon-si, Gyeonggi-do 467-701, Republic of Korea

Signature of fifth assignor: Hyungsoo Kim Date June 30, 2009
Name of fifth assignor: KIM, Hyung-Soo
Address: San 136-1, Ami-ri, Bubal-eup, Icheon-si, Gyeonggi-do 467-701, Republic of Korea

Signature of sixth assignor: Tae-Jin Hwang Date June 30, 2009
Name of sixth assignor: HWANG, Tae-Jin
Address: San 136-1, Ami-ri, Bubal-eup, Icheon-si, Gyeonggi-do 467-701, Republic of Korea

Signature of seventh assignor: Haerang Choi Date June 30, 2009
Name of seventh assignor: CHOI, Hae-Rang
Address: San 136-1, Ami-ri, Bubal-eup, Icheon-si, Gyeonggi-do 467-701, Republic of Korea

Signature of eighth assignor: Ji-Wang Lee Date June 30, 2009
Name of eighth assignor: LEE, Ji-Wang
Address: San 136-1, Ami-ri, Bubal-eup, Icheon-si, Gyeonggi-do 467-701, Republic of Korea

Signature of ninth assignor: Jae-Min Jang Date June 30, 2009
Name of ninth assignor: JANG, Jae-Min
Address: San 136-1, Ami-ri, Bubal-eup, Icheon-si, Gyeonggi-do 467-701, Republic of Korea

Signature of tenth assignor: Chang-Kun Park Date June 30, 2009
Name of tenth assignor: PARK, Chang-Kun
Address: San 136-1, Ami-ri, Bubal-eup, Icheon-si, Gyeonggi-do 467-701, Republic of Korea