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06/29/2007

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FORM PTO-1595  
(Rev. 08/05)



U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

Docket No.: 070679-0247

103425063

To the Director of the U. S. Patent and Tr

documents or the new address(es) below.

1. Name of Conveying Party(ies)

Chun-Seok JEONG, Jae-Jin LEE, Chang-Sik YOO, Jung-June PARK, Young-Suk SEO

Additional name(s) of conveying party(ies) attached? ☐ Yes ☐ No

3. Nature of Conveyance/Execution Date(s)

Execution Date(s): June 28, 2007, June 28, 2007, June 27, 2007, June 28, 2007, June 27, 2007  
(respectively)

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other

2. Name and address of receiving party(ies)

Name: HYNIX SEMICONDUCTOR INC.

Internal Address:

Address: San 136-1, Ami-ri, Bubal-eub, Ichon-shi,  
Kyoungki-do, 467-860, Republic of KOREA

Additional name(s) & address(es) attached? ☐ Yes ☐ No

4. Application or patent number(s):

A. Patent Application No(s).

☒ This document is being filed together with a new application

B. Patent No(s).

Additional numbers attached? ☐ Yes ☐ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: MCDERMOTT WILL & EMERY LLP  
Internal Address:  
Street Address: 600 13th Street, N.W.  
City: Washington State: D. C. Zip: 20005-3096  
Phone Number: 202.756.8000  
Fax Number: 202.756.8087  
Email Address:

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00  
☐ Authorized to be charged by credit card  
☒ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)nt

8. Payment Information:

a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_  
b. Deposit Account Number 500417  
Authorized User Name \_\_\_\_\_

9. Signature.

Stephen A. Becker, 26, 527

*Bernard P. Gold* (Reg. No. 46, 429) for

June 29, 2007

Name and Registration No. of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments and documents: 7

OMB No. 0651-0027 (exp. 6/30/2008)

PATENT  
REEL: 019547 FRAME: 0096

(SAB)

Docket No.: \_\_\_\_\_

## ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,  
JEONG, Chun-Seok ;and LEE, Jae-Jin ;and YOO, Chang-Sik ;and PARK, Jung-June and SEO, Young-Suk

who has made a certain new and useful invention, hereby sells, assigns and transfers unto  
Lynix Semiconductor Inc.

its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the  
 United States of America as defined in 35 U.S.C. 100 in the invention entitled

**CLOCK DATA RECOVERY APPARATUS**

(a) for which an application for United States Letters Patent was filed on  
 \_\_\_\_\_ and identified by United States Serial No.  
 \_\_\_\_\_ ; or

(b) for which an application for United States Letters Patent was executed on  
 \_\_\_\_\_

and the undersigned hereby authorizes and requests the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, continuations, or continuations-in-part thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agrees that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agrees to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

SIGNED on the date indicated aside my signature:

INVENTOR

DATE SIGNED

Name: JEONG, Chun-Seok

수신일 6월28일 11:53AM

INVENTOR

DATE SIGNED

---

Name: LEE, Jue-Jin

INVENTOR

DATE SIGNED

---

Name: YOO, Chang-Sik

INVENTOR

DATE SIGNED

  
Name: PARK, Jung-June

June 28 , 2007

INVENTOR

DATE SIGNED

---

Name: SEO, Young-Suk

수신시각 6월28일 11:53AM

(SAB)

Docket No.: \_\_\_\_\_

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**Hynix Semiconductor Inc.**

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(b) for which an application for United States Letters Patent was executed on \_\_\_\_\_,

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AND the undersigned hereby agrees to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

SIGNED on the date indicated aside my signature:

INVENTOR

DATE SIGNED

\_\_\_\_\_  
Name: JEONG, Chun-Seuk

INVENTOR

DATE SIGNED

Name: LEE, Jae-Jin

INVENTOR

DATE SIGNED

*Chang-Sik Yoo*

*June. 27. 2007*

Name: YOO, Chang-Sik

INVENTOR

DATE SIGNED

Name: PARK, Jung-Jun

INVENTOR

DATE SIGNED

*Young-Suk Seo*

*June. 27. 2007*

Name: SEO, Young-Suk

Docket No.: \_\_\_\_\_

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AND the undersigned hereby agrees to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

SIGNED on the date indicated aside my signature:

INVENTOR

DATE SIGNED

Chun-Seok Jeong  
Name: JEONG, Chun-Seok

June 28 , 2007

INVENTOR

LEE TAE JIN

DATE SIGNED

June 28 , 2007

Name: LEE, Jae-Jin

INVENTOR

DATE SIGNED

Name: YOO, Chang-Sik

INVENTOR

DATE SIGNED

Name: PARK, Jung-June

INVENTOR

DATE SIGNED

Name: SEO, Young-Suk

PATENT

RECORDED: 06/29/2007

REEL: 019547 FRAME: 0102