

06-08-2009

79961/JPW/MC

FORM PTO-1595 (Substitute)

U.S. DEPARTMENT OF COMMERCE

(Rev. 8-96)

Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks

103563089

Documents or copy thereof.

1. Name of conveying party(ies):

Joo Hyeon Lee and Yin Jae Lee

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

3. Nature of Conveyance:

☐ Assignment☐ Merger☐ Security Assignment☐ Change of Name

Correct.

Assignment to replace incorrect Assignee  
Address, previously recorded on Reel  
022110; Frame 0037☒ Other

Execution Date(s):

December 22, 2008 and  
December 22, 2008

2. Name and address of receiving party(ies):

Name: Hynix Semiconductor Inc.

Internal Address:

Street Address: San 136-1

Ami-ri, Bubal-eup

City/State/Zip:

Icheon-si, Gyeonggi-do  
Republic of KoreaAdditional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date(s) of the application is (are):

A. Patent Application No.(s) 12/319,063

B. Patent No.(s)

Filed: December 30, 2008

Additional numbers attached? ☐ Yes ☒ No

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

Name: John P. White, Esq.

Internal Address: Cooper &amp; Dunham LLP

Street Address: 30 Rockefeller Center

City/State/Zip: New York, New York 10112

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR §3.41): \$ 40.00

☐ Enclosed☒ Authorized to be charged to deposit account

8. Deposit account number:

03-3125

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

John P. White

Name of Person Signing  
Reg. No. 28, 678

Signature

May 29, 2009

Date

Total Number of pages including cover sheet, attachments and document: 10

OMB No. 0651-0011 (exp. 4/94)

Mail documents to be recorded with required cover sheet information to:  
Mail Stop Assignment Recordation Services  
Director of the United States Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450PATENT  
REEL: 022800 FRAME: 0447

01-14-2009

U.S. PTO  
12/319063  
12/30/2008

Docket No.

79961/JFW/KK

FORM

ATION FORM COVER SHEET  
**ATENTS ONLY**

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

rks. Please record the attached original documents or copy thereof.

(Rev.

To the

103543811

1. Name of conveying party(ies):

Joo Hyeon Lee and Yin Jae Lee

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

3. Nature of Conveyance:

☒ Assignment☐ Merger☐ Security Assignment☐ Change of Name☐ Other

Execution Date(s):

December 22, 2008 and

December 22, 2008

2. Name and address of receiving party(ies):

Name: Hynix Semiconductor Inc.

Internal Address:

Street Address: San 136-1

Ami-ri, Bubal-eup

City/State/Zip: Icheon-shi, Gyeonggi-do  
Republic of KoreaAdditional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date(s) of the application is (are): December 22, 2008

A. Patent Application No.(s) Not Yet Known

B. Patent No.(s)

Filed: Herewith

Additional numbers attached? ☐ Yes ☒ No

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

Name: John P. White, Esq.

Internal Address: Cooper &amp; Dunham LLP

Street Address: 30 Rockefeller Plaza  
20th Floor

City/State/Zip: New York, New York 10112

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR §3.41): \$ 40.00

☐ Enclosed☒ Authorized to be charged to deposit account

8. Deposit account number:

03-3125

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

John P. White

Name of Person Signing  
Reg. No. 28, 878

Signature

December 30, 2008

Date

Total Number of pages including cover sheet, attachments and document: 4

OMB No. 0851-0011 (exp. 4/94)

Mail documents to be recorded with required cover sheet information to:  
Mail Stop Assignment Recordation Services  
Director of the United States Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-145001/13/2009 DBYRNE 00000042 033125 12319063  
01 FC:0021 48.00 DAPATENT  
REEL: 022110 FRAME: 0037  
PATENT  
REEL: 022800 FRAME: 0448

### **Assignment**

*In consideration of One Dollar (\$1.00), and other good and valuable considerations, the receipt of which is hereby acknowledged, we, the undersigned, Joo Hycon Lee, residing at #1411-301, Gunyoung Apt., Yeonhwa Maeul, Jung 2-dong, Wonmi-gu, Bucheon-si, Gyeonggi-do, Republic of Korea; and Yin Jae Lee, residing at #102-1605, Sinham Apt., Sinha-ri, Bubal-eup, Ichcon-si, Gyeonggi-do, Republic of Korea*

*Hereby sell, assign and transfer to Hynix Semiconductor Inc., a corporation of the State of Republic of Korea, having a place of business at San 136-1, Ami-ri, Bubal-eup, Ichcon-si, Gyeonggi-do, Republic of Korea and its successors, assigns and legal representatives, the entire right, title and interest for all countries, in and to any and all inventions which are disclosed and claimed, and any and all inventions which are disclosed but not claimed, in the application for United States Patent, which has been executed by the undersigned on*

**December 22, 2008**

*and is entitled*

**BURST LENGTH CONTROL CIRCUIT AND SEMICONDUCTOR MEMORY  
DEVICE USING THE SAME**


*and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for U.S. Letters Patent or other related property rights in any and all foreign countries which have been or shall be filed on any of said inventions disclosed in said application; and in and to all original and reissued patents or related foreign documents which have been or shall be issued on said inventions;*

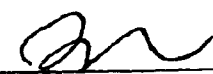
*Authorize and request the Commissioner for Patents of the United States to issue to said Assignee, the corporation above named, its successors, assigns and legal representatives, in accordance with this assignment, any and all United States Letters Patent on said inventions or any of them disclosed in said application;*

*JPIW Rev. April 19, 2007*

*Agree that said Assignee may apply for and receive foreign Letters Patent or rights of any other kind for said inventions, or any of them; and may claim, in applications for said foreign Letters Patent or other rights, the priority of the aforesaid United States patent application under the provisions of the International Convention of 1883 and later modifications thereof, under the Patent Cooperation Treaty, under the European Patent Convention or under any other available international agreement; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned or the undersigned's executors or administrators will, for the United States and all foreign countries, execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications or other documents on any and all said inventions; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and representatives, all facts known and documents available to the undersigned relating to said inventions and the history thereof; testify in all legal proceedings; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said inventions and for vesting title to said inventions and all applications for patents or related foreign rights and all patents on said inventions, in said Assignee, its successors, assigns and legal representatives; and*


*Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.*

[L.S.]  
 Date: December 22, 2008  
 Witness:  [signature]  
                   Youn Joo LEE [printed name]  
                   6<sup>TH</sup> FL. Hubbahubba Bldg., 648 [address]  
                   Yeoksam-dong, Gangnam-gu  
                   Seoul, Republic of Korea

  
 Joo Hyon Lee

JPW Rev. April 19, 2007

[L.S.]  
Date: December 22, 2008

Witness:  (signature)  
Youn Jae LEE (printed name)  
6<sup>th</sup> FL. Hubbuhubba Bldg., 648 (address)  
Yeoksam-dong, Gangnam-gu  
Seoul, Republic of Korea

  
Yiu Jae Lee

[L.S.]  
Date: \_\_\_\_\_  
Witness: \_\_\_\_\_ (signature)  
\_\_\_\_\_ (printed name)  
\_\_\_\_\_ (address)

[L.S.]  
Date: \_\_\_\_\_  
Witness: \_\_\_\_\_ (signature)  
\_\_\_\_\_ (printed name)  
\_\_\_\_\_ (address)

[L.S.]  
Date: \_\_\_\_\_  
Witness: \_\_\_\_\_ (signature)  
\_\_\_\_\_ (printed name)  
\_\_\_\_\_ (address)

[L.S.]

JPW Rev. April 19, 2007