

*Corrective*

*MRB 9/23/98*

09-23-1998



100838711

SHEET

RECEIVED

1998 SEP 23 PM 2:48

Attorney Docket No.: 041501-5268

CTR/FINANCE

To the Assistant Commissioner for Patents:  
Please record the attached original documents or copy thereof.

ATTN: BOX ASSIGNMENT

1. Name of conveying party(ies):

Woong Lim CHOI

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

Name: LG Semicon Co., Ltd.

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

☐ Yes ☒ No

Internal Address:

3. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Street Address 1, Hyangjeong-dong, Heungduk-ku,  
Cheongju-si, Chungcheongbuk-do,  
KOREA

City:

State:

Zip:

Execution Date: December 12, 1997

Additional 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 of the application is:

A. Patent Application No. 09/000,610

B. Patent No.(s)

Additional numbers attached: ☐ Yes ☒ No

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

Name: Mr. Robert J. Gaybrick

Internal Address: Morgan, Lewis & Bockius LLP

Street Address: 1800 M Street, N.W.

City: Washington State: D.C. Zip: 20036

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R §3.41): \$40.00

☒ Enclosed

☐ Authorized to be charged to deposit account 50-0310

8. Deposit account number: 50-0310

Attach duplicate of page if paying by deposit account

9. Statement and Signature

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

J. Michael Thesz

Name of Person Signing

*J. Michael Thesz*  
Signature

September 23, 1998

Date

Total number of pages including cover sheet attachments and documents: \_\_\_\_\_

FORM PTO-1595  
(Rev. 6-93)

25

1

08-04-1998



100750985

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

1100 12-30-97

y Docket No.: 041501-5268

To the Assistant Commissioner for Patents:

Please record the attached original documents or copy thereof.

ATTN: BOX ASSIGNMENT

1. Name of conveying party(ies):

Woong Kum CHOI

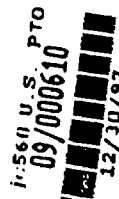
Additional name(s) of conveying party(ies) attached?

☐ Yes ☐ No

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

Name: LG Semicon Co., Ltd.

Internal Address:



3. Nature of conveyance:

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

Street Address 1, Hyangjeong-dong, Heungduk-ku,  
Cheongju-si, Chungcheongbuk-do,  
KOREA

City:  
State: Zip:

Execution Date: December 12, 1997

Additional 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 of the application is:

December 12, 1997

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached: ☐ Yes ☒ No

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

Name: Mr. Robert J. Gaybrick

Internal Address: Morgan, Lewis & Bockius LLP

Street Address: 1800 M Street, N.W.

City: Washington State: D.C. Zip: 20036

6. Total number of applications and patents involved: 1

10. Total fee (310 C.F.R. §3.41): \$40.00

☒ Enclosed

☐ Authorized to be charged to deposit account 50-0310

8. Deposit account number: 50-0310

Attach duplicate of page if paying by deposit account

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

J. Michael Thesz  
Name of Person Signing

Signature

December 30, 1997

Date

Total number of pages including cover sheet, attachments and documents: 2

W001A-24/01

PATENT  
REEL: 8949 FRAME: 0897

PATENT  
REEL: 9462 FRAME: 0472

**JUN 11 1998**

Woong Lim CHOI

## Group Art Unit: Unassigned

Examiner: Unassigned

**Assistant Commissioner for Patents**  
**Box Assignment**  
**Washington, D.C. 20231**

Attached are copies of the Notice of Recordation of Assignment Document and the recorded Recordation Form Cover Sheet and Assignment received from the U.S. Patent and Trademark Office in the above-referenced application for which issuance of a corrected Notice of Recordation of Assignment Document is respectfully requested.

The error with respect to the following data which is incorrectly entered:

### Correct Data

Woong Lim CHOI  
December 30, 1997

**[X] The corrections are not due to any error by the applicant and no fee is due.**

[ ] The above correction is due to the applicant's error and the fee therefor under 37 CFR 1.21(h) of \$40.00 is paid as follows:

**[ ] Enclosed is a check in the amount of \$40.00.**

☒ The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment to Deposit Account 50-0310.

Respectfully submitted,

**MORGAN, LEWIS & BOCKIUS LLP**

**Dated: June 11, 1998**

**MORGAN, LEWIS & BOCKIUS LLP**  
**1800 M Street, N.W.**  
**Washington, D.C. 20036**  
**(202) 467-7000**

for John G. Gith Reg. No. 33,818  
J. Michael Thesz  
Reg. No. 40,354

RECEIVED

APR 07 1998

MORGAN, LEWIS & BOCKIUS LLP



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

APRIL 01, 1998

PTAS

MORGAN, LEWIS & BOCKIUS, LLP  
ROBERT J. GAYBRICK  
1800 M STREET, N.W.  
WASHINGTON, D.C. 20036



\*100633568A\*

41501-5269

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231.

RECORDATION DATE: 12/30/1997

REEL/FRAME: 8949/0897  
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR: ~~LLP~~  
CHOI, WOONG KUM

DOC DATE: 12/12/1997

ASSIGNEE:

LG SEMICON CO., LTD.  
1, HYANGJEONG-DONG, HEUNGDUK-KU, CHEONGJU-SI  
CHUNGCHONGBUK-DO, REPUBLIC OF KOREA

SERIAL NUMBER: 09000610

PATENT NUMBER:

FILING DATE: December 20, 1997  
ISSUE DATE:

MAURICE CARTER, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

PATENT  
REEL: 9462 FRAME: 0474

PS  
4-84

RECEIVED

AUG 10 1998



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

AUGUST 05, 1998 MORGAN, LEWIS & BOCKIUS LLP

PTAS

MORGAN, LEWIS & BOCKIUS, LLP  
ROBERT J. GAYBRICK  
1800 M STREET, N.W.  
WASHINGTON, D.C. 20036



\*100750985A\*

41501-5268

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF DISPOSITION OF DATABASE DISCREPANCY

YOUR REQUEST TO CORRECT THE PATENT AND TRADEMARK ASSIGNMENT DATABASE SYSTEM HAS BEEN REVIEWED BY A PARALEGAL SPECIALIST OF THE ASSIGNMENT DIVISION. REVIEW OF THE MICROFILM RECORD LOCATED IN THE ASSIGNMENT SEARCH ROOM INDICATES THAT THE DATABASE REFLECTS THE DATA AS ORIGINALLY PRESENTED FOR RECORDATION. THEREFORE, TO CORRECT A PREVIOUSLY RECORDED DOCUMENT, A CORRECTIVE DOCUMENT MUST BE SUBMITTED AS OUTLINED IN 37 CFR 3.34.

SUBMIT CORRECTIVE DOCUMENT TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D. C. 20231.

IF YOU HAVE ANY QUESTIONS REGARDING THIS NOTICE, YOU MAY CONTACT THE INDIVIDUAL WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723.

REFERENCE: REEL/FRAME: 8949/0897

MARGARET LASALLE, PARALEGAL  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

PATENT  
REEL: 9462 FRAME: 0475

156  
8-10-98



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

JULY 28, 1998

PTAS

RECEIVED

41501-5268

MORGAN, LEWIS & BOCKIUS, LLP  
ROBERT J. GAYBRICK  
1800 M STREET, N.W.  
WASHINGTON, D.C. 20036

JUL 29 1998

MORGAN, LEWIS & BOCKIUS LLP

CORRECTED  
NOTICE

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION  
OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS  
AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER  
REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE  
INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA  
PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD  
FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY  
CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723.  
PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE,  
ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY,  
SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 12/30/1997

REEL/FRAME: 8949/0897  
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

CHOI, WOONG KUM

DOC DATE: 12/12/1997

ASSIGNEE:

LG SEMICON CO., LTD.  
1, HYANGJEONG-DONG, HEUNGDUK-KU,  
CHEONGJU-SI  
CHUNGCHONGBUK-DO, REPUBLIC OF  
KOREA

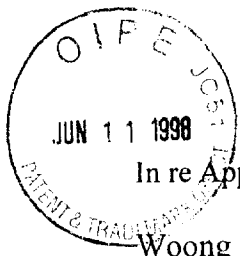
SERIAL NUMBER: 09000610  
PATENT NUMBER:

FILING DATE: 12/30/1997  
ISSUE DATE:

MARGARET LASALLE, PARALEGAL  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

PATENT  
REEL: 9462 FRAME: 0476

7/31/98  
W



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Woong Lim CHOI

Application No.: 09/000,610

Filed: December 30, 1997

For: DATA SENSING DEVICE AND METHOD FOR  
MULTIBIT MEMORY CELL

)  
)  
)  
)  
) Group Art Unit: Unassigned  
)  
) Examiner: Unassigned  
)  
)

Assistant Commissioner for Patents  
**Box Assignment**  
Washington, D.C. 20231

**REQUEST FOR CORRECTED NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT**

Attached are copies of the Notice of Recordation of Assignment Document and the recorded Recordation Form Cover Sheet and Assignment received from the U.S. Patent and Trademark Office in the above-referenced application for which issuance of a corrected Notice of Recordation of Assignment Document is respectfully requested.

The error with respect to the following data which is incorrectly entered:

**Error In**

**Correct Data**

☒ Applicant's name

Woong Lim CHOI

☒ Filing date omitted

December 30, 1997

☒ The corrections are not due to any error by the applicant and no fee is due.

☐ The above correction is due to the applicant's error and the fee therefor under 37 CFR 1.21(h) of \$40.00 is paid as follows:

☐ Enclosed is a check in the amount of \$40.00.

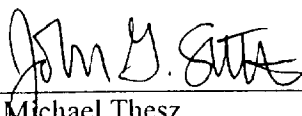
☒ The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment to Deposit Account 50-0310.

Respectfully submitted,

**MORGAN, LEWIS & BOCKIUS LLP**

Dated: June 11, 1998

**MORGAN, LEWIS & BOCKIUS LLP**  
1800 M Street, N.W.  
Washington, D.C. 20036  
(202) 467-7000

for  Reg. No. 33,818  
J. Michael Thesz  
Reg. No. 40,354

02-13-1998

F



SHEET

100633568

1159 12-30-97

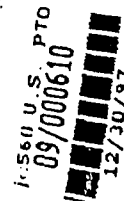
Attorney Docket No.: 041501-5268

To the Assistant Commissioner for Patents:

Please record the attached original documents or copy thereof

ATTN: BOX ASSIGNMENT

<p>1. Name of conveying party(ies):</p> <p>Woong Kum CHOI</p> <p>Additional name(s) of conveying party(ies) attached? Yes No</p>		<p>2. Name and address of receiving party(ies):</p> <p>Name: LG Semicon Co., Ltd.</p> <p>Internal Address:</p> <p>Street Address 1, Hyangjeong-dong, Heungduk-ku, Cheongju-si, Chungcheongbuk-do, KOREA</p> <p>City: State: Zip:</p> <p>Additional name(s) &amp; address(es) attached? Yes X No</p>	
<p>3. Nature of conveyance:</p> <p>X Assignment Merger Security Agreement Change of Name Other</p> <p>Execution Date: December 12, 1997</p>		<p>4. Application number(s) or patent number(s)</p> <p>If this document is being filed together with a new application the execution date of the application is: December 12, 1997</p> <p>A. Patent Application No.(s) B. Patent No.(s)</p> <p>Additional numbers attached: Yes X No</p>	
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: Mr. Robert J. Gaybrick</p> <p>Internal Address: Morgan, Lewis &amp; Bockius LLP</p> <p>Street Address: 1800 M Street, N.W. City: Washington State: D.C. Zip: 20036</p>		<p>6. Total number of applications and patents involved: 1</p> <p>10. Total fee (310 C.F.R. §3.41): \$40.00 X Enclosed Authorized to be charged to deposit account 50-0310</p> <p>8. Deposit account number: 50-0310 Attach duplicate of page if paying by deposit account</p>	
<p>9. Statement and Signature</p> <p>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</p> <p>J. Michael Thesz Name of Person Signing</p> <p><i>J. Michael Thesz</i> Signature</p> <p>December 30, 1997 Date</p> <p>Total number of pages including cover sheet, attachments and documents: 2</p>			





IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
Woong Lim CHOI )  
Application No.: 09/000,610 ) SEP 7 1998 ) Group Art Unit: 2751  
Filed: December 30, 1997 ) Examiner: Unassigned  
For: DATA SENSING DEVICE AND METHOD FOR )  
MULTIBIT MEMORY CELL )

Assistant Commissioner for Patents  
**Box Assignment**  
Washington, D.C. 20231

**REQUEST FOR CORRECTED NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT**

Attached are copies of the Notice of Recordation of Assignment Document and the recorded Recordation Form Cover Sheet and Assignment received from the U.S. Patent and Trademark Office in the above-referenced application for which issuance of a corrected Notice of Recordation of Assignment Document is respectfully requested.

The error with respect to the following data which is incorrectly entered:

**Error In**

**Correct Data**

☒ Applicant's name

Woong Lim CHOI

☐ The correction is not due to any error by the applicant and no fee is due.

☒ The above correction is due to the applicant's error and the fee therefor under 37 CFR 1.21(h) of \$40.00 is paid as follows:

☒ Enclosed is a check in the amount of \$40.00.

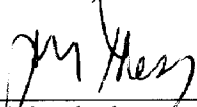
☐ The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment to Deposit Account 50-0310.

Respectfully submitted,

**MORGAN, LEWIS & BOCKIUS LLP**

Dated: September 23, 1998

**MORGAN, LEWIS & BOCKIUS LLP**  
1800 M Street, N.W.  
Washington, D.C. 20036  
(202) 467-7000

  
\_\_\_\_\_  
J. Michael Thesz  
Reg. No. 40,354