

ASSIGNMENT RECORDATION FORM COVER SHEET *Patents Only*

To: Commissioner for Patents:

Date: March 14, 2006
Attorney Docket No. 5649-1744

Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

- [1.] Han-Mei Choi
- [2.] Kyoung-Ryul Yoon
- [3.] Seung-Hwan Lee
- [4.] Ki-Yeon Park
- [5.] Sung-Tae Kim
- [6.] Young-Sun Kim
- [7.] Cha-Young Yoo

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

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

Samsung Electronics Co., Ltd.
416 Maetan-dong, Yeongtong-gu
Suwon-si, Gyeonggi-do
Republic of Korea

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

3. Nature of conveyance:

- Assignment
- Merger
- Security Agreement
- Change of Name

Other: CORRECTION: The Name of inventor Cha-Young Yoo was misspelled on the originally filed assignment recordation cover sheet (Cover sheet and assignment attached), recorded on February 13, 2006 017257/0086, document ID 700243419A.) The name is spelled correctly on the Assignment.

Execution Date: [1.] October 29, 2005; [2.] October 29, 2005; [3.] October 29, 2005; [4.] October 29, 2005; [5.] October 29, 2005; [6.] October 29, 2005; [7.] October 29, 2005;

4. Application Serial No. 11/261,737, filed October 28, 2005.

If this document is being filed together with a new application, the application filing date is:

Additional numbers attached? Yes No

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

Alice M. Bonnen, Ph.D.
Myers Bigel Sibley & Sajovec
P. O. Box 37428
Raleigh NC 27627

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41)

- Enclosed
- Authorized to be charged to deposit account 50-0220 if necessary, originally charged 2/13/2006

8. Deposit account number: 50-0220

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.

Alice M. Bonnen, Ph.D. Reg. #57,154

Alice M. Bonnen

March 14, 2006

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments and document: 13

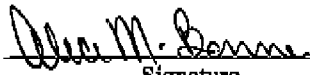
CERTIFICATION OF FACSIMILE TRANSMISSION UNDER 37 CFR § 1.8

I hereby certify that this correspondence is being facsimile transmitted to the U.S. Patent and Trademark Office via facsimile number 571-273-0140 on March 14, 2006

Amelia Tauchen
Amelia Tauchen

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ASSIGNMENT RECORDATION FORM COVER SHEET *Patents Only*

To: Commissioner for Patents:		Date: February 13, 2006 Attorney Docket No. 5649-1744
Please record the attached original documents or copy thereof.		
1. Name of conveying party(ies): [1.] Han-Mei Choi [2.] Kyoung-Ryul Yoon [3.] Seung-Hwan Lee [4.] Ki-Yeon Park [5.] Sung-Tae Kim [6.] Young-Sun Kim [7.] Cha-Young You Additional name(s) of conveying party(ies) attached? Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies): Samsung Electronics Co., Ltd. 416 Maetan-dong, Yeongtong-gu Suwon-si, Gyeonggi-do Republic of Korea Additional name(s) & address(es) attached? Yes <input checked="" type="checkbox"/> No	
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other Execution Date: [1.] October 29, 2005; [2.] October 29, 2005; [3.] October 29, 2005; [4.] October 29, 2005; [5.] October 29, 2005; [6.] October 29, 2005; [7.] October 29, 2005;		
4. Application Serial No. 11/261,737, filed October 28, 2005. If this document is being filed together with a new application, the application filing date is: Additional numbers attached? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
5. Name and address of party to whom correspondence concerning document should be mailed: Alice M. Bonnen, Ph.D. Myers Bigel Sibley & Sajovec P. O. Box 37428 Raleigh NC 27627	6. Total number of applications and patents involved: <u>1</u> 7. Total fee (37 CFR 3.41) <u>\$40.00</u> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account 8. Deposit account number: 50-0220	
DO NOT USE THIS SPACE		
9. Statement and signature <i>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.</i>		
Alice M. Bonnen, Ph.D. Reg. #57,154 Name of Person Signing	 Signature	<u>February 13 2006</u> Date
Total number of pages including cover sheet, attachments and document: 9		

CERTIFICATION OF FACSIMILE TRANSMISSION UNDER 37 CFR § 1.8

I hereby certify that this correspondence is being facsimile transmitted to the U.S. Patent and Trademark Office via facsimile number 571-273-0140 on February 13, 2006.


Rosa Lee Brinson

PATENT
REEL: 017335 FRAME: 0818

Attorney Docket 5649-1744

ASSIGNMENT

THIS ASSIGNMENT, made by us, **Han-Mei Choi**, citizen of the Republic of Korea, residing at Suite 305, 15-10 Yangjae 1-dong, Seocho-gu, Seoul, Korea; **Kyoung-Ryul Yoon**, citizen of the Republic of Korea, residing at 315-1502 Hosoomaeul Yuwon Apt., 877 Janghang-dong, Ilsan-gu, Goyang-si, Gyeonggi-do, Korea; **Seung-Hwan Lee**, citizen of the Republic of Korea, residing at 106-1108 Woosung Apt., Bongcheon 6-dong, Gwanak-gu, Seoul, Korea; and **Ki-Yeon Park**, citizen of the Republic of Korea, residing at 102-601 Hyundai Hometown, 807 Hannam-dong, Yongsan-gu, Seoul, Korea; and **Sung-Tae Kim**, citizen of the Republic of Korea, residing at 20-805 Hyundai Apt., Seocho 1-dong, Seocho-gu, Seoul, Korea; and **Young-Sun Kim**, citizen of the Republic of Korea, residing at 711-1301 Salgugol Sungji Apt., 988-2 Yeongtong-dong, Paldal-gu, Suwon-si, Gyeonggi-do, Korea; and **Cha-Young Yoo**, citizen of the Republic of Korea, residing at 111-2802 World Merdiang Apt., 600 Uman-dong, Paldal-gu, Suwon-si, Gyeonggi-do, Korea

WITNESSETH: That,

WHEREAS, we are the joint inventors of certain new and useful improvements in **METHODS OF MANUFACTURING A SEMICONDUCTOR DEVICE INCLUDING A DIELECTRIC LAYER INCLUDING ZIRCONIUM** for which an application for United States Letters Patent has been filed, or is being filed concurrently, in the United States Patent and Trademark Office. We hereby authorize and request Myers Bigel Sibley & Sajovec, P.A., to insert here in parentheses (Application No. 11/261.737, filed October 28, 2005) the filing date and application number of said application when known or to file this Assignment concurrently with the application, and

WHEREAS, **Samsung Electronics Co., Ltd.**, a Korean corporation having a principal place of business at 416 Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea, hereinafter referred to as assignee, is desirous of acquiring the entire right, title and interest in and to said invention as described in said application, and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries;

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold and by these presents do hereby sell, assign, transfer and convey unto the said assignee, its successors and assigns, the entire right, title and interest in and to the said invention and application, and in and to any and all continuations, continuations-in-part, or divisions thereof,

ASSIGNMENT - CONTINUED

and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted, together with the right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

We hereby request that said Letters Patent be issued in accordance with this assignment.

We further covenant and agree that, at the time of the execution and delivery of these presents, we possess full title to the invention and application above-mentioned, and that we have the unencumbered right and authority to make this assignment.

We further covenant and agree to bind our heirs, legal representatives and assigns, promptly to communicate to said assignee or its representatives any facts known to us relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the assignee, its representatives, successors or assigns to secure patent or similar protection for the said invention in all countries and to vest in the assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said assignee, its successors, assigns and other legal representatives.

IN WITNESS WHEREOF, we have hereunto set our hands and seals on this 19th day of October, 2005

Han-Mei Choi

Han-Mei Choi

Attorney Docket 5649-1744

ASSIGNMENT - CONTINUED

IN WITNESS WHEREOF, we have hereunto set our hands and seals on this 29th day of October, 2005

Kyoung Ryul Yoon
Kyoung-Ryul Yoon

Attorney Docket 5649-1744

ASSIGNMENT – CONTINUED

IN WITNESS WHEREOF, we have hereunto set our hands and seals on this 29th
day of October, 2005

Seung-Hwan Lee
Seung-Hwan Lee

Attorney Docket 5649-1744

ASSIGNMENT - CONTINUED

IN WITNESS WHEREOF, we have hereunto set our hands and seals on this _____
day of Oct. 29, 2005

Ki-Yeon Park
Ki-Yeon Park

Attorney Docket 5649-1744

ASSIGNMENT – CONTINUED

IN WITNESS WHEREOF, we have hereunto set our hands and seals on this 29th
day of October, 2005

Sung-Tae Kim
Sung-Tae Kim

Attorney Docket: 5649-1744

ASSIGNMENT - CONTINUED

IN WITNESS WHEREOF, we have hereunto set our hands and seals on this 25
day of October, 2005

Young-Sun Kim
Young-Sun Kim

Attorney Docket 5649-1744

ASSIGNMENT – CONTINUED

IN WITNESS WHEREOF, we have hereunto set our hands and seals on this 29th
day of October, 2005

Cha-Young Yoo
Cha-Young Yoo