

ASSIGNMENT RECORDATION FORM COVER SHEET *Patents Only*

To: Commissioner for Patents:

Date: January 14, 2005
Attorney Docket No. 5649-1441

Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

[1.] Hyun-su Kim
 [2.] Gil-heyun Choi
 [3.] Jong-ho Yun
 [4.] Sug-woo Jung
 [5.] Eun-ji Jung
 [6.] Sang-bom Kang
 [7.] Woong-hee Sohn

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) of conveying party(ies) attached? Yes ☒ No

3. Nature of conveyance:

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

Execution Date: [1.] December 3, 2004
 [2.] December 3, 2004 [3.] December 3, 2004
 [4.] December 3, 2004 [5.] December 3, 2004
 [6.] December 3, 2004 [7.] December 3, 2004

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

4. Application Serial No. 10/974,417, filed October 27, 2004

If this document is being filed together with a new application, the execution date of the application is: _____

Additional numbers attached? Yes ☒ No

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

Robert N. Crouse
 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) \$40.00
☐ Enclosed
☒ Authorized to be charged to deposit account

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.

Robert N. Crouse #44,635

Name of Person Signing

Signature

January 14, 2005

Date

Total number of pages including cover sheet, attachments and document: 3

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 703-306-5995 on January 14, 2005.

Candi L. Riggs

CH \$40.00 500220 10974417

ASSIGNMENT

Attorney Docket 5649-1441

THIS ASSIGNMENT, made by us, **Hyun-su Kim**, citizen of the Republic of Korea, residing at 7-405 Samsung Apt., Gwansun-dong, Gwansun-gu, Suwon-si, Gyeonggi-do, Republic of Korea; **Gil-hyun Choi**, citizen of the Republic of Korea, residing at 104-101 Dong-A Sollecity Apt., Hangwonmaul, Bojung-ri, Gusung-myeon, Yongin-si, , Gyeonggi-do, Republic of Korea; **Jong-ho Yun**, citizen of the Republic of Korea, residing at 203-2402 Dongsuwon LG Village, Mangpo-dong, Paldal-gu, Suwon-si, Gyeonggi-do, Republic of Korea; **Sug-woo Jung**, a citizen of the Republic of Korea, residing at 512-15 Seryu 3-dong, Gwansun-gu, Suwon-si, Gyeonggi-do, Republic of Korea; **Eun-ji Jung**, a citizen of the Republic of Korea, residing at San 24, Nongseo-ri, Giheung-eup, Yongin-si, Gyeonggi-do, Republic of Korea; **Sang-bom Kang**, a citizen of the Republic of Korea, residing at 15-202 Banpo Apt, 1069 Banpo-dong, Seocho-gu, Seoul, Republic of Korea; **Woong-hee Sohn**, a citizen of the Republic of Korea, residing at 738 Wolgaesudong, Gwansun-dong, Gwansun-gu, Suwon-si, Gyeonggi-do, Republic of Korea;

WITNESSETH: That,

WHEREAS, we are the joint inventors of certain new and useful improvements in **METHODS OF FORMING SILICIDE FILMS WITH METAL FILMS IN SEMICONDUCTOR DEVICES AND CONTACTS INCLUDING THE SAME** 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. 10/974,417 , filed 10/27/2004) 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, 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 3 day of 12, 2004.

Hyun-su Kim
Hyun-su Kim

Gil Heyun Choi
Gil-heyun Choi

Jong-ho Yun
Jong-ho Yun

Sug-woo Jung
Sug-woo Jung

Eun-ji Jung
Eun-ji Jung

Sang-bom Kang
Sang-bom Kang

Woong-hee Sohn
Woong-hee Sohn

Witnessed by:

Date: _____

Witnessed by:

Date: _____

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Date: _____

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Date: _____

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Date: _____

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Witnessed by:

Date: _____