

ASSIGNMENT RECORDATION FORM COVER SHEET *Patents Only*

To: Commissioner for Patents:

Date: August 6, 2004
Attorney Docket No. 5649-1228

Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

[1.] Se-Hoon Oh
 [2.] Jung-Hee Chung
 [3.] Jae-Hyoung Choi
 [4.] Jeong-Sik Choi
 [5.] Sung-Tae Kim
 [6.] 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

3. Nature of conveyance:

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

Execution Date:

[1.] July 30, 2004 [2.] July 30, 2004 [3.] July 30, 2004
 [4.] July 30, 2004 [5.] July 30, 2004 [6.] July 30, 2004

Additional name(s) & address(es) attached? ☐ Yes ☐ No4. Application Serial No. 10/823,221

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:

David K. Purks
 Myers Bigel Sibley & Sajovec
 P. O. Box 37428
 Raleigh NC 27627

6. Total number of applications and patents involved: _____

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.

Elizabeth A. Stanek ; Reg. No. 48,568

Name of Person Signing

Signature

August 6, 2004

Date

Total number of pages including cover sheet, attachments and document: 2**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 August 6, 2004.

Erin A. Campion

CH \$40.00 500220 10823221

Attorney Docket 5649-1228

ASSIGNMENT

THIS ASSIGNMENT, made by us, **Se-Hoon Oh**, citizen of the Republic of Korea, residing at 176 Dongcheon1-ri, eumbong-myeon, Asan-si, Chungcheongnam-do, Republic of Korea; **Jung-Hee Chung**, citizen of the Republic of Korea, residing at 57-5 Cheongryangri-dong, Dongdaemun-gu, Seoul, Republic of Korea; **Jae-Hyoung Choi**, citizen of the Republic of Korea, residing at 108-2404 Hanjin APT., Gwangmyeong4-dong, Gwangmyeong-si, Gyeonggi-do, Republic of Korea; **Jeong-Sik Choi**, citizen of the Republic of Korea, residing at A-412 Samik APT., bukahyeon1-dong, Seogaemun-gu, Seoul, Republic of Korea; **Sung-Tae Kim**, citizen of the Republic of Korea, residing at 20-805 Hyundai APT., Seochol-dong, Seocho-gu, Seoul, Republic of Korea; and **Cha-Young Yoo**, citizen of the Republic of Korea, residing at 203-1302 LG Village, 530 Geumgok-dong, Gwonseon-gu, Suwon-si, Gyeonggi-do, Republic of Korea;

WITNESSETH: That,

WHEREAS, we are the joint inventors of certain new and useful improvements as described in **Integrated Circuit Devices Having Pad Contact Plugs In The Cell Array And Peripheral Circuit Regions Of The Integrated Circuit Substrate And Methods Of Forming 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 and/or for which a related priority application may have been previously filed in a foreign patent office. We hereby authorize and request Myers Bigel Sibley & Sajovec, P.A., to insert here in parentheses (Application No. _____, filed _____) the application number and filing date 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-3dong, Yeongtong-gu, Suwon, 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(s) as described in said application(s), 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(s) and application, and in and to any and all applications for which said application claims the benefit of priority, as well as to 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 or other forms of protection thereof which may be granted therefor or thereon, for the full term and/or extensions or adjustments therefor, for which said Letters Patent may be granted, together with the right to claim the priority of said application(s) 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(s) and application(s) 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(s), to testify in any interference or legal proceedings involving said invention(s), 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(s) in all countries and to vest in the assignee complete title to the said invention(s) and Letters Patent(s), 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 hand and seal on this 20
day of July, 2004.

Se Hoon Oh
Se-Hoon Oh

Witnessed by:

Witnessed by:

Date: _____

Date: _____

Jung-Hee Chung
Jung-Hee Chung

Witnessed by:

Witnessed by:

Date: _____

Date: _____

Jae-Hyoung Choi
Jae-Hyoung Choi

Witnessed by:

Witnessed by:

Date: _____

Date: _____

Jeong Sik Choi
Jeong-Sik Choi

Witnessed by:

Date: _____

Witnessed by:

Date: _____

Sung-Tae Kim
Sung-Tae Kim

Witnessed by:

Witnessed by:

Date: _____

Date: _____

Cha-Young Yoo
Cha-Young Yoo

Witnessed by:

Witnessed by:

Date:

Date: