

ASSIGNMENT RECORDATION

04-12-2004

ents Only

To: Commissioner for Patents:



Date: April 6, 2004
Attorney Docket No. 5649-1292

Please record the attached original of

102719236

1. Name of conveying party(ies):

- [1.] Sang-Bom Kang
- [2.] Gil-Hyun Choi
- [3.] Kwang-Jin Moon
- [4.] Hyun-Su Kim
- [5.] Seung-Gil Yang

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

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

22278 U.S. PTO
10/818718

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.] April 2, 2004 [2.] April 2, 2004 [3.] April 2, 2004 [4.] April 2, 2004 [5.] April 2, 2004

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

10818718

4. Application Serial No. _____ Patent No. _____

If this document is being filed together with a new application, the execution date of the application is: [1.] April 2, 2004 [2.] April 2, 2004 [3.] April 2, 2004 [4.] April 2, 2004 [5.] April 2, 2004

Additional numbers attached? Yes ☒ No

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

Jarett K. Abramson
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

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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.

Jarett K. Abramson #47,376

Name of Person Signing

[Signature]
Signature

April 6, 2004

Date

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

CERTIFICATE OF EXPRESS MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated below and is addressed to: Mailstop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on April 6, 2004.

[Signature]
Katie A. Chung

04/08/2004 EHAILE1 00000057 10818718

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PATENT
REEL: 015185 FRAME: 0673

ASSIGNMENT

THIS ASSIGNMENT, made by us, **Sang-Bom Kang**, citizen of the Republic of Korea, residing at 15-202 Banpo Apt., 1069 Banpo-dong, Seocho-gu, Seoul, Republic of Korea; **Gil-Heyun Choi**, citizen of the Republic of Korea, residing at 104-101 Donga Ssollcity Apt., Hangwonmaul, Bojung-ri, Gusung-myeon, Yongin-si, Gyeonggi-do, Republic of Korea; **Kwang-Jin Moon**, citizen of the Republic of Korea, residing at 606 Marronnier-dong, 7-1 Nongseo-ri, Giheung-eup, Yongin-si, Gyeonggi-do, Republic of Korea; **Hyun-Su Kim**, citizen of the Republic of Korea, residing at 405-504 Maetan Jukong Apt., Maetan 1-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea; and **Seung-Gil Yang**, citizen of the Republic of Korea, residing at 502 Sangroksu-dong, San 7-1 Nongseo-ri, Giheung-eup, Yongin-si, Gyeonggi-do, Republic of Korea;

WITNESSETH: That,

WHEREAS, we are the joint inventors of certain new and useful improvements in **COMPOSITIONS FOR DEPOSITING A METAL LAYER AND METHODS OF FORMING A METAL LAYER USING 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. _____, filed _____) 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 or other forms of protection thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted along with any term extensions thereon or therefor,

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 promptly 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; and we hereby instruct and further covenant and agree to bind our heirs, legal representatives, and assigns, to do same, without further compensation, but at the expense of said assignee or its representatives.

IN WITNESS WHEREOF, we have hereunto set our hands and seals on this 2 day of Apr. 2004

Sang-Bom Kang (SEAL)
Sang-Bom Kang

Gil-Heyun Choi (SEAL)
Gil-Heyun Choi

Kwang-Jin Moon (SEAL)
Kwang-Jin Moon

Seung-Gil Yang (SEAL)
Seung-Gil Yang

Hyun-Su Kim (SEAL)
Hyun-Su Kim

Witnessed by:

Date: _____

Date: _____