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SHEET

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ORIGINAL DOCUMENTS OR COPY THEREOF.

K OFFICE. PLEASE RECORD THE ATTACHED

1. Name of conveying parties:

(a) CHAI, Chong-Chul (b) YOON, Soo-Wan
(c) KIM, Shi-Yul (d) YOUN, Joo-Ae

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

☐ Yes ☒ No

2. Name and address of receiving party:

Name: SAMSUNG ELECTRONICS CO., LTD.

Address: 416, Maetan-dong, Yeongtong-gu, Suwon-si,
Gyeonggi-do, Korea

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

☐ Yes ☒ No

3. Nature of Conveyance:

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

Execution Date: March 9, 2007

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: March 9, 2007

A. Patent Application No.(s)

Title: MULTI-TONE OPTICAL MASK, METHOD OF MANUFAC-
TURING THE SAME AND METHOD OF MANUFACTURING
THIN-FILM TRANSISTOR SUBSTRATE BY USING THE SAME

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: David W. Heid
Internal Address: MACPHERSON, KWOK CHEN & HEID LLP
Street Address: 2033 Gateway Place, Suite 400
City San Jose State CA Zip 95110

6. Total number of applications and patents involved: One (1)

7. Total fee (37 CFR 3.41): \$40.00

☒ Authorized to be charged to Deposit Account No. 50-2257.
☒ Charge Deposit Account No. 50-2257 for any additional fees
required for this conveyance and credit Deposit Account
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8. 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.

David W. Heid, Reg. No. 25,875
Name of Person Signing

Signature

4/05/07
Date

Total number of pages comprising cover sheet: 1

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PATENT
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ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, I/We

Chong-Chul CHAI	of	106-1902 LG XI Apt., Yeomri-dong, Mapo-gu, Seoul, Korea
Soo-Wan YOON	of	303, #1043-5, Yeongtong-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Korea
Shi-Yul KIM	of	806-1601 Doosan We've, Manhyeonmaeul, #861, Sanghyeon-dong, Suji-gu, Yongin-si, Gyeonggi-do, Korea
Joo-Ae YOUN	of	211-902 Maehwamaeul Jugong 2danji, Yatap-dong, Bundang-gu, Seongnam-si, Gyeonggi-do, Korea

hereby sell, assign and transfer to **SAMSUNG ELECTRONICS CO., LTD.**, a corporation, having a place of business at 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Korea, its successors and assigns, the entire right, title and interest throughout the world in our invention in

**MULTI-TONE OPTICAL MASK, METHOD OF MANUFACTURING THE SAME AND
METHOD OF MANUFACTURING THIN-FILM TRANSISTOR SUBSTRATE BY USING
THE SAME**

for which I have executed a United States patent application on or about the date of this assignment, and all patent applications and patents of every country for said invention, including divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said applications; I authorize the above-named assignee to apply for patents of foreign countries for said invention, and to claim all rights of priority without further authorization from me; I agree to execute all papers useful in connection with said United States and foreign applications, and generally to do everything possible to aid said assignee, its successors, assigns and nominees, at their request and expense, in obtaining and enforcing patents for said invention in all countries; and I request that the United States Patent and Trademark Office issue all patents granted for said invention to the above-named assignee, its successors and assigns.

Executed this 9 day of March, 2007.

Chong-Chul Chai

Chong-Chul CHAI

Executed this 9 day of March, 2007.

Soo-Wan Yoon

Soo-Wan YOON

Executed this 9 day of March, 2007.

Shi-Yul Kim

Shi-Yul KIM

Executed this 9 day of March, 2007.

Joo-Ae YOUN

Joo-Ae YOUN