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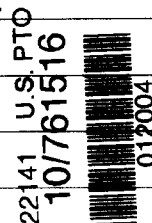
Soo-suk Lee Sun-hee Kim Young Choi

1-20-04

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

Name: SAMSUNG ELECTRONICS CO., LTD.

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Execution Date: January 12, 2004

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4. Application number(s) or patent numbers(s):

10761516

If this document is being filed together with a new application, the execution date of the application is: January 12, 2004

Patent Application No. Filing date

B. Patent No.(s)

Additional numbers [ ] Yes [x] No

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

Name: Soonja Bae

Registration No. PLEASE SEE ATTACHED

Address: Cantor Colburn LLP

55 Griffin Road South

City: Bloomfield State/Prov.: CT

Country: USA ZIP: 06002

6. Total number of applications and patents involved: 1

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

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PATENT

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**ASSIGNMENT**

WHEREAS, I/WE

Soo-suk Lee, residing at 912-1504 Byeokjeokgol 9-danji Apt., Yeongtong-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea,

Sun-hee Kim, residing at 1012-103 Samsung Apt., Imae-dong, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea,

Young Choi, residing at 103-602 Samjeong Seonbi Maeul Apt., Bora-ri, Giheung-eub, Yongin-si, Gyeonggi-do, Republic of Korea,

have invented certain new and useful improvement in:

Title: **MICROARRAY SUBSTRATE COMPRISING PATTERNED  
PHOTORESIST FILM WITH SPOT REGIONS, MICROARRAY,  
AND METHOD OF DETECTING TARGET MATERIAL**

for which I/WE have filed an application for Letters Patent of the United States;

AND WHEREAS, Samsung Electronics Co., Ltd., a corporation organized and existing under the laws of Republic of Korea, having a place of business at 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea is desirous of acquiring an interest in the United States and all foreign countries, in and to the said invention and the Letters Patent to be obtained therefor;


NOW THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that, for and in consideration of one(\$ 1.00) dollar to me/us in hand paid, and other good and valuable considerations, the receipt of all of which is hereby acknowledged, I/We, the said

Soo-suk Lee, Sun-hee Kim, and Young Choi,

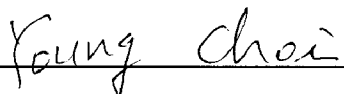
have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said Samsung Electronics Co., Ltd., the entire right, title and interest in and to said invention in the United States and in all foreign countries, including priority rights, as fully set forth and described in said application; and I/We do hereby authorize and request the Commissioner of Patents to issue said Letters Patent on said applications and any and all Letters Patent that may be issued upon any and all revivals, refilings, continuations, continuation-in-part, divisions and reissues thereof, to the said

Samsung Electronics Co., Ltd., as assignee of the entire right, title and interest in and to the same, for the sole use and behoof of Samsung Electronics Co., Ltd., its successors and assigns; and I/We will execute all papers necessary in connection with the United States applications and foreign applications when called upon to do so by the said Samsung Electronics Co., Ltd. its successors or assigns, and that I/We will, at the cost and expense of the said Samsung Electronics Co., Ltd., fully assist and cooperate in all matters in connection with the United States and foreign applications and patents issuing thereon.

The undersigned declare that all statements made herein of their own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: 12 January 2004      Soo-suk Lee  L.S.

Date: 12 January 2004      Sun-hee Kim  L.S.

Date: 12 January 2004      Young Choi  L.S.

Date: \_\_\_\_\_ L.S.

Date: \_\_\_\_\_ L.S.