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1. Name of conveying party(ies):

Young-sun LEE, Young-a KIM, Sang-hyo KIM, Jae-jeong KIM, Kak NAMKOONG, Hee-kyun LIM

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

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

Name: Samsung Electronics Co., Ltd.Address: 416, Maetan-dong, Yeongtong-guCity: Suwon-si State/Prov.: Gyeonggi-doCountry: Republic of Korea ZIP: _____

Additional name(s) & address(es)

☐ Yes ☐ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other _____Execution Date: 1-21-2005

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

If this document is being filed together with a new application, the execution date of the application is: 1-21-2005

Patent Application No.

Filing date

B. Patent No.(s)

Additional numbers

☐ Yes ☒ No

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

Name: Soonja BAERegistration No. PLEASE SEE ATTACHEDAddress: Cantor Colburn LLP55 Griffin Road SouthCity: BloomfieldState/Prov.: CTCountry: USAZIP: 06002

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41):.....\$ 40.00☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account☒ Authorized to be charged to deposit account

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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.

Soonja BAE

Name of Person Signing

Signature

February 2, 2005

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3

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PATENT
REEL: 016259 FRAME: 0392

ASSIGNMENT

WHEREAS, I/WE

Young-sun LEE, residing at 409-805 Hansol Maeul Jugong 4-danji Apt., Jeongja-dong, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea

Young-a KIM, residing at 245-1804 Hwanggol Maeul Ssangyong Apt., Yeongtong-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea

Sang-hyo KIM, residing at 401 Opera House, 377-35 Gomae-ri, Giheung-eub, Yongin-si, Gyeonggi-do, Republic of Korea

Jae-jeong KIM, residing at 401 Daedeok Villa, 1112-7 Daelim 3-dong, Yeongdeungpo-gu, Seoul, Republic of Korea

Kak NAMKOONG, residing at 402, 291-17 Seokchon-dong, Songpa-gu, Seoul, Republic of Korea

Hee-kyun LIM, residing at 147-602 Hwanggol Maeul Jugong 1-danji Apt., Yeongtong-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea

have invented certain new and useful improvement in:

Title: METHOD FOR REAL-TIME DETECTION OF POLYMERASE CHAIN REACTION

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;

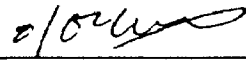

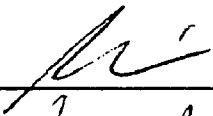
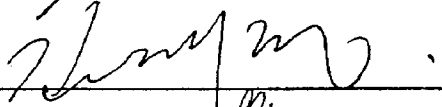
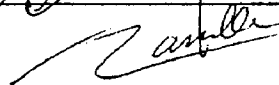

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that, for and in consideration of one(\$ 1.00) dollar to me/us in hand paid, and other good and valuable considerations, the receipt of all of which is hereby acknowledged, I/We, the said

Young-sun LEE, Young-a KIM, Sang-hyo KIM, Jae-jeong KIM, Kak NAMKOONG and Hee-kyun LIM

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: <u>January 21, 2005</u>	<u>Young-sun LEE</u> 	L.S.
Date: <u>January 21, 2005</u>	<u>Young-a KIM</u> 	L.S.
Date: <u>January 21, 2005</u>	<u>Sang-hyo KIM</u> 	L.S.
Date: <u>January 21, 2005</u>	<u>Jae-jeong KIM</u> 	L.S.
Date: <u>January 21, 2005</u>	<u>Kak NAMKOONG</u> 	L.S.
Date: <u>January 21, 2005</u>	<u>Hee-kyun LIM</u> 	L.S.