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**Kyu-youn HWANG, Joon-ho KIM, Chang-eun YOO,
Hun-joo LEE, Hee-kyun LIM, Sung-young JEONG,
Jeo-young SHIM**

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-gu**

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other _____City: **Suwon-si** State/Prov.: **Gyeonggi-do**Country: **Republic of Korea** ZIP: _____Execution Date: **March 15, 2006**

Additional name(s) & address(es)

☐ Yes ☒ No

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: _____

Patent Application No.

Filing date

B. Patent No.(s)

11/317,949**12/23/2005**

Additional numbers

☐ Yes ☒ No

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

Name: **Amy Bizon-Copp**Registration No. **53,993**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:

17. 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.***Amy Bizon-Copp**

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March 21, 2006

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PATENT

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ASSIGNMENT

WHEREAS We, [Kyu-youn Hwang] of [12-131 (18/6) Bupyeong 4-dong, Bupyeong-gu, Incheon-si, Republic of Korea], [Joon-ho Kim] of [103-401 Mujigae Maeul Daelim Apt., 211 Gumi-dong, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea], [Chang-eun Yoo] of [314-13 Sadang 4-dong, Dongjak-gu, Seoul, Republic of Korea], [Hun-joo Lee] of [A-304 Samhyong Park, 154-1 Pyeongchang-dong, Jongno-gu, Seoul, Republic of Korea], [Hee-kyun Lim] of [147-602 Hwanggol Maeul Jugong 1-dan] Apt., 955-1 Yeongtong-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea], [Sung-young Jeong] of [c/o Samsung Advanced Institute of Technology, San 14-1 Nongseo-ri, Giheung-eub, Yongin-si, Gyeonggi-do, Republic of Korea], and [Jeo-young Shim] of [101-106 Sejong Regencyvill, 2-3 Gugal-ri, Giheung-eub, Yongin-si, Gyeonggi-do, Republic of Korea] (hereinafter referred to as "ASSIGNORS"); have invented certain new and useful improvements in:

**METHOD OF ISOLATING NUCLEIC ACID USING MATERIAL
POSITIVELY CHARGED AT FIRST pH AND CONTAINING
AMINO GROUP AND CARBOXYL GROUP**

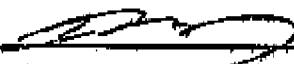
which claims priority to [Korean] Application No. 10-2004-0111165 filed on 23 December 2004, and for which We are about to file an application for Letters Patent of the United States;

AND WHEREAS, [Samsung Electronics Co., Ltd.] (hereinafter referred to as "ASSIGNEE"), a corporation organized and existing under the laws of the Country 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 Letters Patent to be obtained therefor;

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that, for good and valuable consideration, the receipt of which is hereby acknowledged, We, the said ASSIGNORS have assigned and transferred, and hereby assign and transfer unto the said ASSIGNEE, 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 We do hereby authorize and request the Commissioner of Patents to issue said Letters Patent on said application, and any and all Letters Patent that may be issued upon any and all revivals, refilings, continuations, continuations-in-part, divisions and reissues thereof,

to the said ASSIGNEE, an assignee of the entire right, title and interest in and to the same, for the sole use and behoof of ASSIGNEE, its successors and assigns; and We do hereby agree that the said ASSIGNEE, may apply for foreign Letters Patent on said invention and that We will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by the said ASSIGNEE, its successors or assigns, and that We will, at the cost and expense of the said ASSIGNEE 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: 15 March 2006
[Kyu-youn Hwang]Date: 15 March 2006
[Joon-ho Kim]Date: 15 March 2006
[Chang-eun Yoo]Date: 15 March 2006
[Hun-joo Lee]Date: 15 March 2006
[Hee-kyun Lim]Date: 15 March 2006
[Sung-young Jeong]Date: 15 March 2006
[Joo-young Shim]