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To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
Kui-hyun KIM
Jun-hong MIN
In-ho LEE
Ah-gi KIM

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**

113260 U.S. PTO
11/414022
042806

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: **4/12/06; 4/13/06; 4/13/06; 4/13/06**

City: **Suwon-si** State/Prov.: **Gyeonggi-do**
 Country: **Republic of Korea** ZIP: _____

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: **4/12/06; 4/13/06; 4/13/06; 4/13/06**

Patent Application No.	Filing date	B. Patent No.(s)
05/04/2006 DBYRNE	00000216 061130	11414022
01 FC:8021	(40.00 DA)	

Additional numbers Yes No

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

8. Deposit account number:
06-1130
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5. Name and address of party to whom correspondence concerning document should be mailed:
 Name: **Sandra L. Shaner**
 Registration No. **47,934**
 Address: **CANTOR COLBURN LLP**
55 Griffin Road South

City: **Bloomfield** State/Prov.: **CT**
 Country: **USA** ZIP: **06002**

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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.

Sandra L. Shaner **April 28, 2006**
 Name of Person Signing Signature Date

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

ASSIGNMENT

WHEREAS We, [Kui-hyun Kim] of [101, 176-15 Yongjeon-dong, Dong-gu, Daejeon-si, Republic of Korea], [Jun-hong Min] of [552-1004 Ggotme Maeul Hyundai Hometown, Jukjeon-dong, Yongin-si, Gyeonggi-do, Republic of Korea], [In-ho Lee] of [505-1201 Geumhwa Maeul Jugong Greenville, Sanggal-dong, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea], and [Ah-gi Kim] of [c/o Samsung Advanced Institute of Technology, San 14-1 Nongseo-dong, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea] (hereinafter referred to as "ASSIGNORS"); have invented certain new and useful improvements in:

[METHOD FOR HIGHLY SENSITIVE NUCLEIC ACID DETECTION USING NANOPORE AND NON-SPECIFIC NUCLEIC ACID-BINDING AGENT]

which claims priority to [Korean] Application No. 10-2005-0055904 filed on 27 June 2005, 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

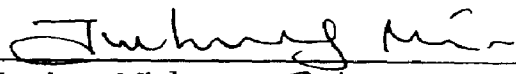
execute all papers necessary in connection with the United States and foreign applications when called upon to do so by the said ASSIGNEE, its successors or assigns, and that We will, at the cost and expense of the said ASSIGNEE fully assist and cooperate in all matters in connection with the United 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.

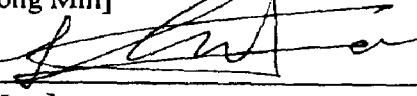
Date: Apr. 12. 2006

 L.S.
[Kui-hyun Kim]


Date: 13 Apr 2006

 L.S.
[Jun-hong Min]

Date: Apr. 13. 2006

 L.S.
[In-ho Lee]

Date: Apr. 13. 2006

 L.S.
[Ah-gi Kim]