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07-25-2006

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To the Director of the United States I

the attached original documents or copy thereof.

1. Name of conveying party(ies):
**Hun-joo LEE; Joon-ho KIM; Chin-sung PARK;
Young-sun LEE; Jong-Suk CHUNG**

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

Name: **Samsung Electronics Co., Ltd.**

Address: **416, Maetan-dong, Yeongtong-gu, Suwon-si**

Additional names(s) of conveying party(ies) Yes No

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

City: **Gyeonggi-do** State/Prov.: _____

Country: **Republic of Korea** ZIP: _____

Execution Date: **June 8, 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: **June 8, 2006**

Patent Application No. Filing date

B. Patent No.(s)

07/25/2006 DBYRNE 00000040 061130 11489289

01 FC:8021 40.00 DA

Additional numbers

Yes No

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

Name: **Jae Y. Park**

Registration No. **Limited Recognition No.: L0077**

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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06-1130

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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.

Jae Y. Park

Name of Person Signing

Signature

July 19, 2006

Date

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

Mail documents to be recorded with required cover sheet information to:
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PATENT

REEL: 018115 FRAME: 0721

112948 U.S. PTO
11/489289

071906

ASSIGNMENT

WHEREAS We, [Hun-joo Lee] of [A-304 Samhyong Park, 154-1 Pyeongchang-dong, Jongno-gu, Seoul, 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], [Chin-sung Park] of [311-1601 Hyundai Morningside 1-cha Apt., 570 Bora-dong, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea], [Young-sun Lee] of [409-805 Hansol Maeul Jugong 4-danji Apt., Jeongja-dong, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea], and [Jong-Suk Chung] of [101-1106 Doosan Apt., Gweonseon-dong, Gweonseon-gu, Suwon-si, Gyeonggi-do, Republic of Korea] (hereinafter referred to as "ASSIGNORS"); have invented certain new and useful improvements in:

[MICROFLUIDIC DEVICE FOR ELECTROCHEMICALLY REGULATING pH OF FLUID THEREIN AND METHOD OF REGULATING pH FLUID USING THE MICROFLUIDIC DEVICE]

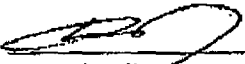
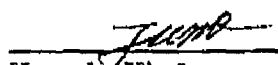
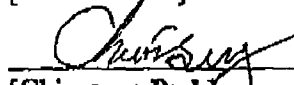
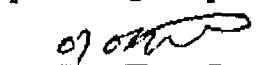
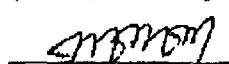
which claims priority to [Korean] Application No. 10-2005-0065433 filed on 19 July 2005, and for which We are about to file an application for Letters Patent of the United States;

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: <u>8 June 2006</u>	 _____	L.S.
	[Hun-joo Lee]	
Date: <u>8 June 2006</u>	 _____	L.S.
	[Joon-ho Kim]	
Date: <u>8 June 2006</u>	 _____	L.S.
	[Chin-sung Park]	
Date: <u>8 June 2006</u>	 _____	L.S.
	[Young-sun Lee]	
Date: <u>8 June 2006</u>	 _____	L.S.
	[Jong-Suk Chung]	