

12/15/06

Docket No.: YPL-0364

FORM PTO-1595 (Modified)  
(Rev. 03-01)  
OMB No. 0651-0027 (exp. 5/31/2002)  
P08A/REV04

12-26-2006

ET

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office



Tab settings

103353311

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):

In-ho LEE, Jun-hong MIN, Young-rok KIM, Jae-ho YOU,  
Chang-eun YOO, Jeong-gun LEE, and Ki-woong HAN

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

## 3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other

Execution Date: 12-13-2006

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

Name: SAMSUNG ELECTRONICS CO., LTD

Address: 416, Maetan-dong, Yeongtong-gu

City: Suwon-si State/Prov.: Gyeonggi-do

Country: KOREA

ZIP:

Additional name(s) &amp; 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: 12-13-2006

Patent Application No.

Filing date

B. Patent No.(s)

10-2006-0030990

April 5, 2006

Additional numbers

☐ Yes ☒ No

## 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 Rd. 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

☐ 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

(Attach duplicate copy of this page if paying by deposit account)

## 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

Name of Person Signing

Signature

December 15, 2006

Date

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

4

Mail documents to be recorded with required cover sheet information to:  
Mail Stop Assignment Recordation Services  
Director of the United States Patent and Trademark Office  
P.O. Box 1450, Alexandria, VA 22313-1450

PATENT

REEL: 018726 FRAME: 0165

113013 U.S. PTO  
11/639794

121506

11/639794

0000068 061130

120622 P 150021

01 FC 0021

## ASSIGNMENT

WHEREAS We, In-ho LEE of c/o Samsung Advanced Institute of Technology, San 14-1 Nongseo-dong, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea; Jun-hong MIN of c/o Samsung Advanced Institute of Technology, San 14-1 Nongseo-dong, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea; Young-rok KIM of c/o Samsung Advanced Institute of Technology, San 14-1 Nongseo-dong, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea; Jae-ho YOU of c/o Samsung Advanced Institute of Technology, San 14-1 Nongseo-dong, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea; Chang-eun YOO of c/o Samsung Advanced Institute of Technology, San 14-1 Nongseo-dong, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea; Jeong-gun LEE of c/o Samsung Advanced Institute of Technology, San 14-1 Nongseo-dong, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea, and Ki-woong HAN 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 AND APPARATUS FOR DISRUPTING CELLS AND PURIFYING NUCLEIC ACID USING A SINGLE CHIP**

which claims priority to Korean Application No. 10-2006-0030990, filed on April 5, 2006, 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 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

Page 1 of 3

YPL-0364

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: 2006.12.13

01.12 L.S.  
In-ho LEE

Date: 2006.12.13

Jun-hong Min L.S.  
Jun-hong MIN

Date: 2006.12.13

Young-tak KIM L.S.  
Young-tak KIM

Date: 2006.12.13

Jae-ho YOU L.S.  
Jae-ho YOU

Date: 2006.12.13

Chang-eun YOO L.S.  
Chang-eun YOO

Date: 2006.12.13

Date: 2006.12.13

01 7621 L.S.

Jeong-gun LEE

한기웅 L.S.

Ki-woong HAN