

FORM PTO-1596 (Modified) (Rev. 03-01)
 OMB No. 0651-0027 (exp. 5/31/2002)
 P08A/REV03

RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

PATENTS ONLY

Tab settings → → → ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼

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):
Il-Kyoung KIM **Ki-Young YUN**
No-Hyun HUH **Won-Soon LEE**
Tae-Won LEE **Young-Ha YOON**
Sung-Wook PARK **Tae-Sub IM**

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, Suwon-si**

City: **Gyeonggi-do** State/Prov.: _____
 Country: **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: **July 24, 2007**

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)
11/845,187	August 27, 2007	

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:
50-0238
 (Attach duplicate copy of this page if paying by deposit account)

5. Name and address of party to whom correspondence concerning document should be mailed:
 Name: **STEPHEN R. WHITT**
 Registration No. **34,753**
 Address: **VOLENTINE & WHITT, PLLC**
ONE FREEDOM SQUARE
11951 FREEDOM DRIVE, SUITE 1260
 City: **RESTON** State/Prov.: **VA**
 Country: **USA** ZIP: **20190**

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.

STEPHEN R. WHITT *Stephen R. Whitt*
 Name of Person Signing Signature

August 27, 2007
 Date

Total number of pages including cover sheet, attachments, and document: **4**

DO NOT USE THIS SPACE

CH \$40.00 500238 11845187

VALENTINE & WHITT, P.L.L.C. (01/2007)

ATTORNEY DOCKET NO. SEC.2134**ASSIGNMENT**

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned

Insert

Name(s) of
Inventor(s)

- | | |
|--------------------------|-------------------------|
| 1. <u>Il-Kyoung KIM</u> | 7. <u>Young-Ha YOON</u> |
| 2. <u>No-Hyun HUH</u> | 8. <u>Tae-Sub IM</u> |
| 3. <u>Tae-Won LEE</u> | 9. _____ |
| 4. <u>Sung-Wook PARK</u> | 10. _____ |
| 5. <u>Ki-Young YUN</u> | 11. _____ |
| 6. <u>Won-Soon LEE</u> | 12. _____ |

Insert

Name(s) of
Assignee(s) &

the undersigned hereby sell(s) and assign(s) to

Address(es)

_____ SAMSUNG ELECTRONICS CO., LTD
416, Maetan-dong, Yeongtong-gu,
Suwon-si, Gyeonggi-do, Republic of Korea

(hereinafter designated as the Assignee) the entire right, title and interest for the United States as defined in 35 USC 100, in the invention known as

Title of
Invention

TON IMPLANTER WITH ETCH PREVENTION MEMBER(S)

Date of
Signing of
Application

for which an application for patent in the United States of America has been executed by
the undersigned on July 24, 2007

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuing, division or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

VOLENTINE & WHITT, P.L.L.C. (01/2007)

ATTORNEY DOCKET NO. SEC.2134

The undersigned hereby grant(s) the practitioners associated with the **CUSTOMER NUMBER 20987** the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date 24. JUL. 2007 Signature of Inventor Il Kyung Kim
Il-Kyung KIM

Date 24. Jul. 2007 Signature of Inventor [Signature]
No-Hyun HUH

Date 24. JUL, 2007 Signature of Inventor TAE WON LEE
Tae-Won LEE

Date 24. Jul. 2007 Signature of Inventor Sung Wook PARK
Sung-Wook PARK

Date 24. Jul. 2007 Signature of Inventor Ki Young YUN
Ki-Young YUN

Date 24. JUL, 2007 Signature of Inventor [Signature]
Won-Soon LEE

Date 24. JUL. 2007 Signature of Inventor Young-Ha YOON
Young-Ha YOON

Date 24. JUL, 2007 Signature of Inventor Tae Sub IM
Tae-Sub IM

(Note regarding Witnessing: It is recommended that the execution by the Inventor(s) be witnessed by at least two witnesses who sign here. However, the current practice of the U.S. Patent and Trademark Office is to record an Assignment even it has not been witnessed.)

Witness _____

Witness _____

Applicant Reference No. AX3090US/EK