

4/13/06

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ASSIGNMENT RECORDATIO



103223085

Date: April 13, 2006
Attorney Docket No. 5649-1875

To: Commissioner for Patents:

Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

[1.] Jung-Dal Choi
[2.] Yun-Seung Shin
[3.] Jong-Sun SelAdditional name(s) of conveying party(ies) attached? ___ Yes X No

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

Samsung Electronics Co., Ltd.
416 Maetan-dong, Yeongtong-gu,
Suwon-si, Gyeonggi-do
REPUBLIC OF KOREA113014 U.S. PTO
11/403964
041306

3. Nature of conveyance:

X Assignment
___ Merger
___ Security Agreement
___ Change of Name
___ OtherExecution Date: [1.] April 7, 2006 [2.] April 7, 2006
[3.] April 7, 2006Additional name(s) & address(es) attached? ___ Yes X No

4. Application Serial No. _____

If this document is being filed together with a new application, the execution date of the application is: [1.] April 7, 2006 [2.] April 7, 2006 [3.] April 7, 2006

Additional numbers attached? ___ Yes X No

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

Elizabeth A. Stanek
Myers Bigel Sibley & Sajovec
P. O. Box 37428
Raleigh NC 276276. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41) \$40.00
X Enclosed
___ Authorized to be charged to deposit account

8. Deposit account number: 50-0220

DO NOT USE THIS SPACE

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.*Elizabeth A. Stanek, Reg. No. 48,568
Name of Person Signing

Signature

April 13, 2006
DateTotal number of pages including cover sheet, attachments and document: 5**CERTIFICATE OF EXPRESS MAILING**

"Express Mail" label number: EV 854927863 US

Date of Deposit: April 13, 2006

I hereby certify that this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR § 1.10 on the date indicated above and is addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Erin A. Campion

04/18/2006 EHAILE1 00000022 11403964

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40.00 DP

PATENT
REEL: 017791 FRAME: 0412

ASSIGNMENT

THIS ASSIGNMENT, made by us, **Jung-Dal Choi**, a citizen of the Republic of Korea, residing at #205-1603, Dongsuwon LG village, Mangpo-dong, Paldal-gu, Suwon-si, Gyeonggi-do, Republic of Korea; **Yun-Seung Shin**, a citizen of the Republic of Korea, residing at #B-406, Towerpalace, Dogok-dong, Gangnam-gu, Seoul, Republic of Korea; and **Jong-Sun Sel**, a citizen of the Republic of Korea, residing at #203-404, Hanseong 2cha Apt., Gugal-dong, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea;

WITNESSETH: That, WHEREAS, we are the joint inventors of certain new and useful improvements in METHODS OF FABRICATING NONVOLATILE MEMORY DEVICES AND RELATED DEVICES, for which an application for United States Letters Patent has been filed, or is being filed concurrently, in the United States Patent and Trademark Office. We hereby authorize and request Myers Bigel Sibley & Sajovec, P.A., to insert here in parentheses (Application No. _____, filed _____) the filing date and application number of said application when known or to file this Assignment concurrently with the application, and

WHEREAS, **Samsung Electronics Co., Ltd.**, a Korean corporation having a principal place of business at 416 Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea, hereinafter referred to as assignee, is desirous of acquiring the entire right, title and interest in and to said invention as described in said application, and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries;

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold and by these presents do hereby sell, assign, transfer and convey unto the said assignee, its successors and assigns, the entire right, title and interest in and to the said invention and application, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted, together with the right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said assignee, its successors and assigns, as

ASSIGNMENT – CONTINUED

fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

We hereby request that said Letters Patent be issued in accordance with this assignment.

We further covenant and agree that, at the time of the execution and delivery of these presents, we possess full title to the invention and application above-mentioned, and that we have the unencumbered right and authority to make this assignment.

We further covenant and agree to bind our heirs, legal representatives and assigns, promptly to communicate to said assignee or its representatives any facts known to us relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the assignee, its representatives, successors or assigns to secure patent or similar protection for the said invention in all countries and to vest in the assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said assignee, its successors, assigns and other legal representatives.

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 7 day of 4, 2006.

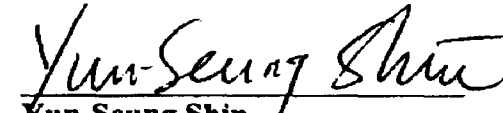
Jungdal Choi
Jung-Dal Choi

Witnessed by:

Date: _____

ASSIGNMENT – CONTINUED

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 17 day
of 4, 2006.


Yun-Seung Shin

Witnessed by:

Date: _____

ASSIGNMENT – CONTINUED

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 7 day
of 4, 2006.



Jong-Sun Sel

Witnessed by:

Date: _____