

# ASSIGNMENT RECORD

01-23-2006

Patents Only



To: Commissioner for Patents:

103162711

Date: January 11, 2006  
Attorney Docket No. 5649-1760

Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

- [1.] Woo-Gwan Shim
- [2.] Jung-Min Oh
- [3.] Chang-Ki Hong
- [4.] Sang-Jun Choi
- [5.] Sang-Yong Kim

Additional 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 KOREA

113277 U.S. PTO  
11/329577

## 3. Nature of conveyance:

- X Assignment
- \_\_\_ Merger
- \_\_\_ Security Agreement
- \_\_\_ Change of Name
- \_\_\_ Other

Execution Date: [1.] December 29, 2005 [2.] December 29, 2005  
[3.] December 29, 2005 [4.] December 29, 2005 [5.] December 29, 2005

Additional 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: December 29, 2005

Additional numbers attached? \_\_\_ Yes X No

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

Needham James Boddie, II  
Myers Bigel Sibley & Sajovec  
P. O. Box 37428  
Raleigh NC 27627

## 6. Total number of applications and patents involved: 1

7. 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.*

Needham James Boddie, II, Reg. No. 40,519  
Name of Person Signing

*NJBoddie II*  
Signature

January 11, 2006  
Date

Total number of pages including cover sheet, attachments and document: 7

## CERTIFICATE OF EXPRESS MAILING

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Date of Deposit: **January 11, 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*  
Erin A. Campion

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**PATENT**  
**REEL: 017473 FRAME: 0925**

**ASSIGNMENT – CONTINUED**

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 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 29th day of DEC., 2005

Woo Gwan Shim  
**Woo-Gwan Shim**

Witnessed by:

\_\_\_\_\_

Date: \_\_\_\_\_