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1. Name of conveying party(ies):
Jae-hoon JOO, Chang-hag OH
Sang-seok KANG,
Byung-heon KWAK,
Kang-young CHO, &
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:

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other
Execution Date: **June 29, 2006, July 3, 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:
Patent Application No. Filing date
NEW July 7, 2006
Additional numbers Yes No

6/29/06, 6/29/06,
6/29/06, 7/3/06,
6/29/06

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

6. Total number of applications and patents involved: **1**
7. Total fee (37 CFR 3.41):.....\$ **40.00**
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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.
STEPHEN R. WHITT
Name of Person Signing

Stephen R. Whitt
Signature

July 7, 2006
Date

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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>Jae-hoon JOO</u> | 5. <u>Chang-hag OH</u> |
| 2. <u>Sang-seok KANG</u> | 6. _____ |
| 3. <u>Byung-heon KWAK</u> | 7. _____ |
| 4. <u>Kang-young CHO</u> | 8. _____ |

**Insert
Name(s) of
Assignee(s) &**

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

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

Address(es)

(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**

DYNAMIC RANDOM ACCESS MEMORY AND COMMUNICATION TERMINAL
INCLUDING THE SAME

**Date of
Signing of
Application**

for which an application for patent in the United States of America has been executed by
the undersigned on June 29, 2006, June 29, 2006, June 29, 2006,
July 3, 2006, June 29, 2006

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.

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

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.

name(s).

Date 2006. 6. 29 Signature of Inventor Jae Hoon Joo
Jae-hoon JOO

Date 2006. 6. 29 Signature of Inventor Sang-seok KANG
Sang-seok KANG

Date 2006. 6. 29 Signature of Inventor [Signature]
Byung-hoon KANG

Date _____ Signature of Inventor _____
Kang-young CHO

Date 2006. 6. 29 Signature of Inventor Chang-hag Oh
Chang-hag OH

Date _____ Signature of Inventor _____

Date _____ Signature of Inventor _____

Date _____ Signature of Inventor _____

(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 _____

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Applicant Reference No. SIP0500570S



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

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name(s).

Date _____ Signature of Inventor Jae-hoon JOO

Date _____ Signature of Inventor Sang-seok KANG

Date _____ Signature of Inventor Byung-heon KWAK

Date 2006.07.03 Signature of Inventor Kang Young Cho
Kang-yong CHO

Date _____ Signature of Inventor Chang-hag OH

Date _____ Signature of Inventor _____

Date _____ Signature of Inventor _____

Date _____ Signature of Inventor _____

(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.)

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Applicant Reference No. SIP050057US