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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Dong-Wook Kim

In-Kyung Yoo

Additional name(s) of conveying party(ies) attached? Yes No

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

Samsung Electronics, Co., Ltd.

Name: _____

Internal Address: _____

Street Address: **416 Maetan-Dong, Yeongtong-Gu, Suwon-Si**

City: **Gyeonggi-Do** State: **Korea** Zip: _____

Additional name(s) and address(es) attached? Yes No

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Dated: 7/26/2005

Application number(s) or patent numbers(s):

If this document is being filed together with a new patent application, the execution date is:

A. Patent Application No(s). **60/547,459; 60/568,643;**
11/060,153

B. Patent No(s). _____

Additional numbers attached? Yes No

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

Name: **Docketing Administrator (15977-27)**

Internal Address: **Lowenstein Sandler PC**

Street Address: **65 Livingston Avenue**

City: **Roseland** State: **NJ** ZIP: **07068**

6. Total number of applications and patents involved: **3**

7. Total fee (37 CFR 3.41).....\$ **120.00**

- Enclosed
- Authorized to be charged to deposit account
- Authorized to charge any underpayment or credit any overpayment to deposit account

8. Deposit account number: **501358**

(Attach a duplicate of this sheet if paying by deposit account)

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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.

Daniel D. Sierchio, Reg. No. 53,591

Daniel D. Sierchio

July 27, 2005

Name of Person Signing

Signature

Date

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

Mail or fax (703-306-9983) documents to be recorded with required cover sheet information to:
Mail Stop: Assignment Recordation Services
Director of the United States Patent & Trademark Office
P.O. Box 1460, Alexandria, VA 22313-1460

CH \$120.00 501358 60547459

07-26 17:40 TUE FROM:

Attorney Docket No.: 15977-27

ASSIGNMENT

WHEREAS, WE, DONG-WOOK KIM (citizen of Korea) and **IN-KYUNG YOO** (citizen of South Korea) (collectively "ASSIGNOR") residing at 8889 Caminito Plaza Centro, #7432, San Diego, California 92122 and 113-802 LG Shinsong XI Il-cha, Yongin-shi, Korea, respectively, have invented, developed, and/or have rights in the invention(s) ("THE INVENTION(S)") disclosed in: (1) Provisional Application Serial No. 60/547,459 filed on February 25, 2004; (2) Provisional Application Serial No. 60/568,643 filed on May 6, 2004; and (3) Nonprovisional Patent Application Serial No. 11/060,153 filed on February 17, 2005 (collectively the "Patent Application/s");

AND WHEREAS Samsung Electronics, Co., Ltd. ("ASSIGNEE"), a corporation in the Republic of Korea having a place of business at 416 Maetan-Dong, Yeongtong-Gu, Suwon-Si, Gyeonggi-Do, Korea, desires to acquire the entire right, title, and interest in and to THE INVENTION(S) and the Patent Application/s/;

NOW, THEREFORE, in consideration of the sum of one dollar (\$1.00) in hand and/or other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned, transferred and set over, and do hereby sell, assign, transfer and set over to ASSIGNEE the entire right, title and interest in and to THE INVENTION(S) and the Patent Application/s/ and all patents and patent applications claiming priority to and/or benefit of the Patent Application/s/ including divisions, continuations, and continuations-in-part thereof and all reissues, reexaminations, and extensions thereof, and all priority rights under the International Convention for the Protection of Industrial Property for every member country, and all applications for patents (including related rights such as utility-model registrations, registrations, inventor's certificates, and the like) heretofore or hereafter filed for THE INVENTION(S) in any foreign country/countries, and all patents (including all extensions, renewals and reissues thereof) granted for THE INVENTION(S) and the Patent Application/s/ in any foreign country/countries;

AND WE HEREBY authorize and request the United States Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty is to issue patents on applications as aforesaid, to issue all patents for THE INVENTION(S) and/or the Patent Application/s/ in the name of ASSIGNEE in accordance with the terms of this assignment;

AND WE HEREBY covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith;

AND WE HEREBY further covenant and agree that we will communicate to ASSIGNEE any facts known to us respecting THE INVENTION(S) and the Patent Application/s/, sign all lawful papers, execute all divisional, continuation, continuations-in-part, substitute, reexamination, and reissue applications, make all rightful oaths and generally do everything possible to aid ASSIGNEE to obtain and enforce proper patent protection for THE INVENTION(S) and the Patent Application/s/ in all countries.

--- SIGNATURES BEGIN ON NEXT PAGE ---

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Assignment Page 1 of 3

PATENT
REEL: 016577 FRAME: 0937

Attorney Docket No.: 15977-27

In testimony whereof, I hereunto set my hand this 26th day of July, 2005.

Dongwook Kim

DONG-WOOK KIM

Printed Name of Witness

Signature of Witness

Date

Attorney Docket No.: 15977-27

In testimony whereof, I hereunto set my hand this 26th day of July, 2005.



IN-KYUNG YOO

Printed Name of Witness

Signature of Witness

Date