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102988746

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

4-15-05

**1. Name of conveying party(ies)/Execution Date(s):**  
Sang S. Kim (03/06/2005), Kyoung S. Kwon (03/06/2005), Jung C. Gong (03/06/2005), and Hyeon S. Hwang (03/06/2005)  
Execution Date(s): in parentheses after inventor name  
Additional name(s) of conveying party(ies) attached?  Yes  No

**2. Name and address of receiving party(ies)**  
Name: Samsung Electro-Mechanics Co., Ltd.  
Internal Address: \_\_\_\_\_  
Street Address: \_\_\_\_\_  
314, Maetan-3dong  
Youngtong-gu, Suwon-si  
City: Kyunggi-do  
State: \_\_\_\_\_  
Country: Republic of Korea Zip: 443-743  
Additional name(s) & address(es) attached?  Yes  No

**3. Nature of Conveyance:**  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Government Interest Assignment  
 Executive Order 9424, Confirmatory License  
 Other \_\_\_\_\_

**4. Application or patent number(s):**  This document is being filed together with a new application.  
A. Patent Application No.(s) \_\_\_\_\_ B. Patent No.(s) \_\_\_\_\_  
Additional numbers attached?  Yes  No

**5. Name and address to whom correspondence concerning document should be mailed:**  
Name: Joseph R. Robinson  
DARBY & DARBY P.C.  
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State: NY Zip: 10150-5257  
Phone Number: (212) 527-7783  
Fax Number: (212) 753-6237  
Email Address: jrobinson@darbylaw.com

**6. Total number of applications and patents involved:** 1  
**7. Total fee (37 CFR 1.21(h) & 3.41) \$** 40.00  
 Authorized to be charged by credit card  
 Authorized to be charged to deposit account  
 Enclosed  
 None required (government interest not affecting title)

**8. Payment Information**  
a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_  
b. Deposit Account Number \_\_\_\_\_  
Authorized User Name \_\_\_\_\_

**9. Signature:**  
 April 15, 2005  
Signature Date  
MARIE COLLATZ 44055  
Y. Jae Kim - 53,128  
Name of Person Signing  
Total number of pages including cover sheet, attachments, and documents: 4

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**PATENT**  
**REEL: 016485 FRAME: 0703**

**ASSIGNMENT**

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

**PHOTODIODE INTEGRATED CIRCUIT HAVING MULTIPLE GAIN STATES**

for which I/WE executed an application for United States Letters Patent concurrently herewith; or filed an application for United States Letters Patent on \_\_\_\_\_, (Application No. \_\_\_\_\_); and

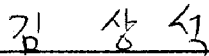
WHEREAS, Samsung Electro-Mechanics Co., Ltd, a corporation of Korea, whose post office address is 314, Maetan-3dong, Youngtong-gu, Suwon-si, Kyunggi-do 443-743, Republic of Korea (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

AND, I/WE HEREBY authorize and request the attorneys I/WE have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No. \_\_\_\_\_, filed \_\_\_\_\_) the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s):

Full Name of Sole or First Assignor <b>Sang Suk KIM</b>	Assignor's Signature 	Date 6.3.2005
Address 944-2003, Lotte APT., Yeongtong-dong, Paldal-gu, Suwon-si, Kyunggi-Do 442-724, Korea		Citizenship <b>KOREA</b>

WITNESS:

I certify that I know or have satisfactory evidence that **Sang Suk KIM** is the person who appeared before me, and that he acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated: March 6, 2005

x [Signature]  
Signature

Printed Name: Bae Hye Ryum

\*\*\*\*\*

Full Name of Sole or First Assignor <b>Kyoung Soo KWON</b>	Assignor's Signature <u>[Signature]</u>	Date <u>6.3.2005</u>
Address <b>112-602, Hwanggolmaeul 1-danji Apt., Yeongtong-dong, Yeongtong-gu, Suwon-si, Kyunggi-Do 443-739, Korea</b>		Citizenship <b>KOREA</b>

WITNESS:

I certify that I know or have satisfactory evidence that **Kyoung Soo KWON** is the person who appeared before me, and that he acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated: March 6, 2005

x [Signature]  
Signature

Printed Name: Bae Hye Ryum

\*\*\*\*\*

Full Name of Sole or First Assignor <b>Jung Chul GONG</b>	Assignor's Signature <u>[Signature]</u>	Date <u>March 6, 2005</u>
Address <b>A-101, Hosu heights, 57-12, Songpa 1-dong, Songpa-gu, Seoul 138-849, Korea</b>		Citizenship <b>KOREA</b>

WITNESS:

I certify that I know or have satisfactory evidence that **Jung Chul GONG** is the person who appeared before me, and that he acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated: March 6, 2005

x [Signature]  
Signature

Printed Name: Bae Hye Ryum

\*\*\*\*\*