

## PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Jun Seo</td><td>12/31/2005</td></tr><tr><td>Jong-Hyuk Kim</td><td>12/31/2005</td></tr><tr><td>Jong-Heui Song</td><td>01/05/2006</td></tr><tr><td>Yung-Jun Kim</td><td>01/02/2006</td></tr><tr><td>Min-Chul Chae</td><td>01/02/2006</td></tr></tbody></table>	Name	Execution Date	Jun Seo	12/31/2005	Jong-Hyuk Kim	12/31/2005	Jong-Heui Song	01/05/2006	Yung-Jun Kim	01/02/2006	Min-Chul Chae	01/02/2006	
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Yung-Jun Kim	01/02/2006												
Min-Chul Chae	01/02/2006												
RECEIVING PARTY DATA													
Name:	Samsung Electronics Co., Ltd.												
Street Address:	416 Maetan-dong, Yeongtong-gu, Suwon-si												
City:	Gyeonggi-do												
State/Country:	KOREA, DEMOCRATIC PEOPLE'S REPUBLIC OF												
PROPERTY NUMBERS Total: 1													
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12043576</td></tr></tbody></table>	Property Type	Number	Application Number:	12043576									
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Application Number:	12043576												
CORRESPONDENCE DATA													
Fax Number:	(919)854-1401												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone:	919-854-1400												
Email:	awooten@myersbigel.com												
Correspondent Name:	MYERS BIGEL SIBLEY & SAJOVEC												
Address Line 1:	PO BOX 37428												
Address Line 4:	RALEIGH, NORTH CAROLINA 27627												
ATTORNEY DOCKET NUMBER:	5649-1803DV2												
NAME OF SUBMITTER:	Audra Wooten												
Total Attachments: 6 source=5649-1803DV2_Assignment#page1.tif													

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**ASSIGNMENT**

THIS ASSIGNMENT, made by us, **Jun Seo**, citizen of the Republic of Korea, residing at 105-1102 Hansol Apt., Gokbanjeong-dong, Gwonseon-gu, Suwon-si, Gyeonggi-do, Republic of Korea; **Jong-Hyuk Kim**, citizen of the Republic of Korea, residing at Wolgyesoo-826 Man's Dormitory, Samsung Electronics Co., Ltd. Nongseo-ri, San 7-1, Giheung-eup, Yongin-si, Gyeonggi-do, Republic of Korea; **Jong-Heui Song**, citizen of the Republic of Korea, residing at 509-206 Daewon Apt., 1274 Gwongseon-dong, Gwonseon-gu, Suwon-si, Gyeonggi-do, Republic of Korea; **Yung-Jun Kim**, citizen of the Republic of Korea, residing at 824-2201 Jinheung Apt., 914 Jeongja-dong, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea; **Min-Chul Chae**, citizen of the Republic of Korea, residing at 533-1604 Shinan Apt., 963-2 Yeongtong-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea

WITNESSETH: That,

WHEREAS, we are the joint inventors of certain new and useful improvements in **DUAL DAMASCENE STRUCTURE AND METHODS OF FORMING THE SAME**, 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. 12/043,576, filed 3/6/08) 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

ASSIGNMENT – CONTINUED

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 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 31 day of 12, 2005.

Jun Seo

**Jun Seo**

Witnessed by:

\_\_\_\_\_

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

**ASSIGNMENT – CONTINUED**

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 31 day  
of 12, 2005.

Jong-hyuk Kim  
**Jong-Hyuk Kim**

Witnessed by:

\_\_\_\_\_

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

**ASSIGNMENT - CONTINUED**

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 5 day  
of 1, 2006.

Jong-Heui Song  
**Jong-Heui Song**

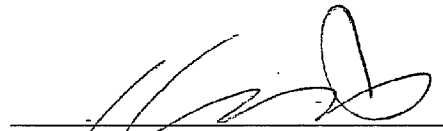
Witnessed by:

\_\_\_\_\_

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

**ASSIGNMENT – CONTINUED**

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 2 day  
of 1, 2008.

  
Yung-Jun Kim

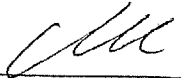
Witnessed by:

\_\_\_\_\_

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

**ASSIGNMENT - CONTINUED**

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 2 day  
of 1, 2006.

  
\_\_\_\_\_  
**Min-Chul Chae**

Witnessed by:

\_\_\_\_\_

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