

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Jin Choi</td> <td>03/30/2012</td> </tr> <tr> <td>Jin-Ha Jeong</td> <td>04/03/2012</td> </tr> <tr> <td>Urazaev Vladimir</td> <td>04/02/2012</td> </tr> <tr> <td>Hea-Yun Lee</td> <td>04/02/2012</td> </tr> </tbody> </table>		Name	Execution Date	Jin Choi	03/30/2012	Jin-Ha Jeong	04/03/2012	Urazaev Vladimir	04/02/2012	Hea-Yun Lee	04/02/2012
Name	Execution Date										
Jin Choi	03/30/2012										
Jin-Ha Jeong	04/03/2012										
Urazaev Vladimir	04/02/2012										
Hea-Yun Lee	04/02/2012										
RECEIVING PARTY DATA											
Name:	Samsung Electronics Co., Ltd.										
Street Address:	416 Maetan-dong, Yeongtong-gu										
Internal Address:	Suwon-si										
City:	Gyeonggi-do										
State/Country:	KOREA, 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>13443440</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13443440						
Property Type	Number										
Application Number:	13443440										
CORRESPONDENCE DATA											
Fax Number:	(919)854-1401										
Phone:	919-854-1400										
Email:	criggs@myersbigel.com										
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>											
Correspondent Name:	MYERS BIGEL SIBLEY & SAJOVEC										
Address Line 1:	PO BOX 37428										
Address Line 4:	RALEIGH, NORTH CAROLINA 27627										
ATTORNEY DOCKET NUMBER:	5649-3428										
NAME OF SUBMITTER:	Candi L. Riggs										
Total Attachments: 5											

CH \$40.00 13443440

source=Assignment#page1.tif
source=Assignment#page2.tif
source=Assignment#page3.tif
source=Assignment#page4.tif
source=Assignment#page5.tif

ASSIGNMENT

THIS ASSIGNMENT, made by us, **Jin CHOI**, citizen of the Republic of Korea, residing at 6-102 Miseong Apt., Bulgwang 1-dong, Eunpyeong-gu, Seoul, Korea **Jin-Ha JEONG**, citizen of the Republic of Korea, residing at 104-801 Sunny Valley Apt., Jigok-dong, Giheung-gu, Yongin-si, Gyeonggi-do, Korea; **Urazaev VLADIMIR**, citizen of Russia, residing at 554-1104, Sinnamusil 5 Danji Apt., Yeongtong 2-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Korea; **Hea-Yun LEE**, citizen of the Republic of Korea, residing at 143-201 Hwanggol Maeul 1 Danji Apt., Yeongtong 1-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 **BEAM EXPOSURE SYSTEMS AND METHODS OF FORMING A RETICLE USING 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. 13/443,440 filed 4/10/12) 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 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

ASSIGNMENT – CONTINUED

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 20 day of March, 2012.



Jin CHOI (SEAL)

Witnessed by:

Date: _____

ASSIGNMENT – CONTINUED

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 3 day
of April, 2012



Jin-Ha JEONG (SEAL)

Witnessed by:

Date: _____

ASSIGNMENT – CONTINUED

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 02 day
of 04, 2012.



Urazov VLADIMIR (SEAL)

Witnessed by:

Date: _____

ASSIGNMENT - CONTINUED

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 2 day
of 04, 2012.



Hen-Yan LEE (SEAL)

Witnessed by:

Date: _____