

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Jong-Cheol Lee</td> <td>03/28/2007</td> </tr> <tr> <td>Kyoung-Ryul Yoon</td> <td>03/28/2007</td> </tr> <tr> <td>Ki-Vin Im</td> <td>03/28/2007</td> </tr> <tr> <td>Jae-Hyun Yeo</td> <td>03/28/2007</td> </tr> <tr> <td>Eun-Ae Chung</td> <td>03/28/2007</td> </tr> <tr> <td>Jin-Il Lee</td> <td>03/28/2007</td> </tr> </tbody> </table>		Name	Execution Date	Jong-Cheol Lee	03/28/2007	Kyoung-Ryul Yoon	03/28/2007	Ki-Vin Im	03/28/2007	Jae-Hyun Yeo	03/28/2007	Eun-Ae Chung	03/28/2007	Jin-Il Lee	03/28/2007
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RECEIVING PARTY DATA															
Name:	Samsung Electronics Co., Ltd.														
Street Address:	416 Maetan-dong														
Internal Address:	Yeongtong-gu, Suwon-si														
City:	Gyeonggi-do														
State/Country:	KOREA, REPUBLIC OF														
PROPERTY NUMBERS Total: 1															
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11733970</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11733970										
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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:	sfreedman@myersbigel.com														
Correspondent Name:	Susan E. Freedman/MBSS														
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Address Line 2:	Suite 600														
Address Line 4:	Raleigh, NORTH CAROLINA 27612														
ATTORNEY DOCKET NUMBER:	5649-2130														

CH \$40.00 11733970

NAME OF SUBMITTER:

Susan E. Freedman

Total Attachments: 7

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ASSIGNMENT

THIS ASSIGNMENT, made by us, **Jong-Cheol Lee**, citizen of the Republic of Korea, residing at 218-108 Jugong Apt., 217 Godeok-dong, Gangdong-gu, Seoul, Republic of Korea; **Kyoung-Ryul Yoon**, citizen of the Republic of Korea, residing at 315-1502 Hosumaekul Youone Apt., 877 Janghang-dong, Ilsan-gu, Goyang-si, Gyeonggi-do, Republic of Korea; **Ki-Vin Im**, citizen of the Republic of Korea, residing at Suite 201, 1287-3 Gwonseon-dong, Gwonseon-gu, Suwon-si, Gyeonggi-do, Republic of Korea; **Jae-Hyun Yeo**, citizen of the Republic of Korea, residing at 2317-305 Lilacmaekul Hanyang Hightown Roseville 2-cha Apt., Sang-dong, Wonmi-gu, Bucheon-si, Gyeonggi-do, Republic of Korea; **Eun-Ae Chung**, citizen of the Republic of Korea, residing at Suite 404, 1041-11 Yeongtong-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea; and **Jin-II Lee**, citizen of the Republic of Korea, residing at 110-1306 Saetbyeolmaekul Life Apt., Bundang-dong, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea;

WITNESSETH: That,

WHEREAS, we are the joint inventors of certain new and useful improvements in **MULTILAYER ELECTRODE STRUCTURES INCLUDING CAPACITOR STRUCTURES HAVING ALUMINUM OXIDE DIFFUSION BARRIERS 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.

11/733,970, filed 04/11/2007) 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 Convention, the same to be held and enjoyed by said assignee, its successors

ASSIGNMENT – CONTINUED

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 28 day of Mar, 2007.

Jong-Cheol Lee (SEAL)
Jong-Cheol Lee

Witnessed by:

Date: _____

ASSIGNMENT – CONTINUED

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 28 day of
March, 2007.

Kyoung-Ryul Yoon (SEAL)
Kyoung-Ryul Yoon

Witnessed by:

Date: _____

ASSIGNMENT - CONTINUED

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 28 day of
Mar, 2007.

Ki-Vin Im (SEAL)
Ki-Vin Im

Witnessed by:

Date: _____

ASSIGNMENT – CONTINUED

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 30 day of Mar, 2007.

Jae-Hyun Yeo (SEAL)
Jae-Hyun Yeo

Witnessed by:

Date: _____

ASSIGNMENT – CONTINUED

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 29 day of
March, 2007.

Eun-Ae Chung (SEAL)
Eun-Ae Chung

Witnessed by:

Date: _____

ASSIGNMENT - CONTINUED

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 29 day of
March, 2007.

JINIL LEE (SEAL)
Jin-Il Lee

Witnessed by:

Date: _____