

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>Ho-jung YANG</td> <td>08/10/2009</td> </tr> <tr> <td>Hyo-rang KANG</td> <td>08/10/2009</td> </tr> <tr> <td>Tae-won SONG</td> <td>08/10/2009</td> </tr> <tr> <td>Chang-hyun KIM</td> <td>08/10/2009</td> </tr> </tbody> </table>		Name	Execution Date	Ho-jung YANG	08/10/2009	Hyo-rang KANG	08/10/2009	Tae-won SONG	08/10/2009	Chang-hyun KIM	08/10/2009
Name	Execution Date										
Ho-jung YANG	08/10/2009										
Hyo-rang KANG	08/10/2009										
Tae-won SONG	08/10/2009										
Chang-hyun KIM	08/10/2009										
RECEIVING PARTY DATA											
Name:	Samsung Electronics Co., Ltd.										
Street Address:	416, Maetan-dong, Yeongtong-gu										
City:	Suwon-si, Gyeonggi-do										
State/Country:	REPUBLIC OF KOREA										
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>12533777</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12533777						
Property Type	Number										
Application Number:	12533777										
CORRESPONDENCE DATA											
Fax Number:	(860)286-0115										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	860-286-2929										
Email:	amathis@cantorcolburn.com										
Correspondent Name:	James J. Merrick, Cantor Colburn LLP										
Address Line 1:	20 Church Street, 22nd Floor										
Address Line 2:	YPL-0648										
Address Line 4:	Hartford, CONNECTICUT 06103										
ATTORNEY DOCKET NUMBER:	YPL-0648										
NAME OF SUBMITTER:	James J. Merrick										
Total Attachments: 2 source=YPL-0648 Assignment#page1.tif											

CH \$40.00 12533777

500944146

**PATENT
 REEL: 023137 FRAME: 0937**

ASSIGNMENT

WHEREAS WE, **Ho-jung YANG** of c/o **Samsung Advanced Institute of Technology, San 14-1 Nongseo-dong, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea**; **Hyo-rang KANG** of c/o **Samsung Advanced Institute of Technology, San 14-1 Nongseo-dong, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea**; **Tae-won SONG** of c/o **Samsung Advanced Institute of Technology, San 14-1 Nongseo-dong, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea**; and **Chang-hyun KIM** of c/o **Samsung Advanced Institute of Technology, San 14-1 Nongseo-dong, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of Korea** are the owners of the entire right, title and interest in the following invention and United States Patent Application/Patent (hereinafter referred to as the “**INVENTION**” and “**APPLICATION**,” respectively):

INTEGRATED ELECTRODE-CURRENT COLLECTOR SHEET FOR CAPACITIVE DEIONIZATION, CAPACITIVE DEIONIZATION DEVICE AND ELECTRIC DOUBLE LAYER CAPACITOR HAVING THE SAME


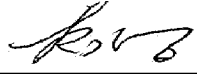
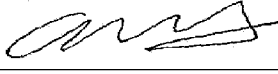

filed as U.S. Application Serial Number 12/533,777 on July 31, 2009,

and WHEREAS, **Samsung Electronics Co., Ltd.**, a corporation organized and existing under the laws of the Korea, having a place of business at **416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do** (hereinafter referred to as “**ASSIGNEE**”) is desirous of acquiring an interest in any and all countries, in and to the **INVENTION**, the **APPLICATION**, and any and all Patents to be obtained therefore;

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for good and valuable consideration, the receipt of which is hereby acknowledged, we, the **ASSIGNORS**, have assigned and transferred, and hereby assign and transfer unto **ASSIGNEE**, the entire right, title and interest in and to the **INVENTION**, the **APPLICATION**, and any and all Patents that may be issued therefrom, in any and all countries, including any and all revivals, refilings, continuations, continuations-in-part, divisions and reissues thereof, to **ASSIGNEE**; and we do hereby agree that we will execute all papers necessary in connection with any and all patent applications when called upon to do so by **ASSIGNEE**, its successors or assigns, and that we will, at the cost and expense

of ASSIGNEE, fully assist and cooperate in all matters in connection with any and all patent applications and Patents issuing thereon.

The undersigned declares that all statements made herein of his or her own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the APPLICATION or any Patents issuing therefrom.

Date: _____	10 August 2009		_____ L.S.
		Ho-jung YANG	
Date: _____	10 August 2009		_____ L.S.
		Hyo-rang KANG	
Date: _____	10 August 2009		_____ L.S.
		Tae-won SONG	
Date: _____	10 August 2009		_____ L.S.
		Chang-hyun KIM	