

# PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
<b>CONVEYING PARTY DATA</b>													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Hwa-Sung WOO</td> <td>04/29/2009</td> </tr> <tr> <td>Joo-Nyung JANG</td> <td>04/29/2009</td> </tr> <tr> <td>Cheol SHIN</td> <td>04/29/2009</td> </tr> <tr> <td>Yoon-Sung UM</td> <td>04/29/2009</td> </tr> <tr> <td>Mi-Jeong SONG</td> <td>04/29/2009</td> </tr> </tbody> </table>		Name	Execution Date	Hwa-Sung WOO	04/29/2009	Joo-Nyung JANG	04/29/2009	Cheol SHIN	04/29/2009	Yoon-Sung UM	04/29/2009	Mi-Jeong SONG	04/29/2009
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Samsung Electronics Co., Ltd.</td> </tr> <tr> <td>Street Address:</td> <td>416, Maetan-dong, Yeongtong-gu, Gyeonggi-do</td> </tr> <tr> <td>City:</td> <td>Suwon-si</td> </tr> <tr> <td>State/Country:</td> <td>REPUBLIC OF KOREA</td> </tr> </table>		Name:	Samsung Electronics Co., Ltd.	Street Address:	416, Maetan-dong, Yeongtong-gu, Gyeonggi-do	City:	Suwon-si	State/Country:	REPUBLIC OF KOREA				
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<b>CORRESPONDENCE DATA</b>													
<p>Fax Number: (860)286-0115  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 860-286-2929        Email: fcoleman@cantorcolburn.com        Correspondent Name: CANTOR COLBURN, LLP        Address Line 1: 20 Church Street        Address Line 2: 22nd Floor        Address Line 4: Hartford, CONNECTICUT 06103</p>													
ATTORNEY DOCKET NUMBER:	21C-0613P												
NAME OF SUBMITTER:	Noah J. Hayward												

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**PATENT**  
**REEL: 022713 FRAME: 0350**

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### ASSIGNMENT

WHEREAS I, **Hwa-Sung WOO** of 419-107 Jugong 4 Danji Apt., Maetan 1-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Korea, **Joo-Nyung JANG** of 102-102 Gyeongsan Woobang Mansion, #138-6, Jeongpyeong-dong, Gyeongsan-si, Gyeongbuk, Korea, **Cheol SHIN** of 201-203 Unam Firstvill 2 Cha Apt., Neung-dong, Hwaseong-si, Gyeonggi-do, Korea, **Yoon-Sung UM** of 216-1702 Sanghyeon Maeul Ssangyong 2 Cha Apt., Sanghyeon-dong, Suji-gu, Yongin-si, Gyeonggi-do, Korea and **Mi-Jeong SONG** of 102-1601 Hyundai I-Park Apt., Mangpo-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Korea, (hereinafter referred to as "ASSIGNORS"); have invented certain new and useful improvements in:

### **ARRAY SUBSTRATE AND METHOD OF MANUFACTURING THE SAME**

which claims priority to Korean Application No. 2009-3560 filed on January 16, 2009, No. 2009-32787 filed on April 15, 2009 and for which We are about to file an application for Letters Patent of the United States;

AND WHEREAS, **SAMSUNG ELECTRONICS CO., LTD** (hereinafter referred to as "ASSIGNEE"), a corporation organized and existing under the laws of the Country of Korea, having a place of business at **416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Korea** is desirous of acquiring an interest in the United States and all foreign countries, in and to the said invention and Letters Patent to be obtained therefor;

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 said ASSIGNORS have assigned and transferred, and hereby assign and transfer unto the said ASSIGNEE, the entire right, title and interest in and to said invention in the United States and in all foreign countries, including priority rights, as fully set forth and described in said application; and We do hereby authorize and request the Commissioner of Patents to issue said Letters Patent on said application, and any and all Letters Patent that may be issued upon any and all revivals, refilings, continuations, continuations-in-part, divisions and reissues thereof, to the said ASSIGNEE, an assignee of the entire right, title and interest in and to the same, for the sole use and behoof of ASSIGNEE, its successors and assigns; and We do hereby agree that the said ASSIGNEE, may apply for foreign Letters Patent on said invention and that We

will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by the said ASSIGNEE, its successors or assigns, and that We will, at the cost and expense of the said ASSIGNEE fully assist and cooperate in all matters in connection with the United States and foreign applications and patents issuing thereon.

The undersigned declare that all statements made herein of their 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 patent issuing thereon.


Date: 2009. 4. 29

 L.S.  
Hwa-Sung WOO

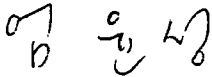
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 L.S.  
Joo-Nyung JANG

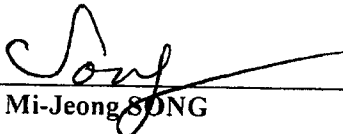
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Yoon-Sung UM

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