

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT												
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT												
<b>CONVEYING PARTY DATA</b>													
<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>Kap-Soo YOON</td> <td>12/29/2008</td> </tr> <tr> <td>Sung-Hoon YANG</td> <td>12/29/2008</td> </tr> <tr> <td>Sung-Ryul KIM</td> <td>12/29/2008</td> </tr> <tr> <td>Hwa-Yeul OH</td> <td>12/29/2008</td> </tr> <tr> <td>Jae-Ho CHOI</td> <td>12/29/2008</td> </tr> </tbody> </table>		Name	Execution Date	Kap-Soo YOON	12/29/2008	Sung-Hoon YANG	12/29/2008	Sung-Ryul KIM	12/29/2008	Hwa-Yeul OH	12/29/2008	Jae-Ho CHOI	12/29/2008
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Hwa-Yeul OH	12/29/2008												
Jae-Ho CHOI	12/29/2008												
<b>RECEIVING PARTY DATA</b>													
<b>Name:</b>	SAMSUNG ELECTRONICS CO., LTD.												
<b>Street Address:</b>	416, MAETAN-DONG, YEONGTONG-GU												
<b>Internal Address:</b>	SUWON-SI												
<b>City:</b>	GYEONGGI-DO												
<b>State/Country:</b>	REPUBLIC OF KOREA												
<b>PROPERTY NUMBERS Total: 1</b>													
<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>12353152</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12353152								
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Application Number:	12353152												
<b>CORRESPONDENCE DATA</b>													
<b>Fax Number:</b>	(408)392-9262												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
<b>Phone:</b>	408-392-9250												
<b>Email:</b>	jfosnaugh@macpherson-kwok.com												
<b>Correspondent Name:</b>	MACPHERSON KWOK CHEN & HEID LLP												
<b>Address Line 1:</b>	2033 GATEWAY PLACE												
<b>Address Line 2:</b>	SUITE 400												
<b>Address Line 4:</b>	SAN JOSE, CALIFORNIA 95110												
<b>ATTORNEY DOCKET NUMBER:</b>	AB-2878 US												
<b>NAME OF SUBMITTER:</b>	Jon Y. Ikegami, Reg. No. 51,115												

CH \$40.00 12353152

Total Attachments: 3

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**ASSIGNMENT**

For good and valuable consideration, receipt of which is hereby acknowledged, we

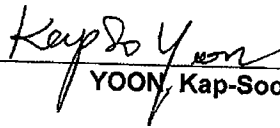
YOON, Kap-Soo	of	#916 Yoorim APT, Hwagok 1-dong, Gangseo-gu, Seoul, Republic of Korea
YANG, Sung-Hoon	of	#101-2001 Ssangyong APT, Seongsu1-ga 2-dong, Seongdong-gu, Seoul, Republic of Korea
KIM, Sung-Ryul	of	#106-1002 Daewoo 1-cha APT, Dujeong-dong, Cheonan-si, Chungcheongnam-do, Republic of Korea
OH, Hwa-Yeul	of	751-25 Daerim 3-dong, Yeongdeungpo-gu, Seoul, Republic of Korea
CHOI, Jae-Ho		#207-1508 Ssangyong APT, Changsin 3-dong, Jongno-gu, Seoul, Republic of Korea
CHOI, Yong-Mo		#111-503 Daerim e-Pyeonhansesang 1-danji APT, Wondong, Osan-si, Gyeonggi-do, Republic of Korea

hereby sell, assign and transfer to **SAMSUNG ELECTRONICS CO., LTD.**, a corporation, having a place of business at 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea, its successors and assigns, the entire right, title and interest throughout the world in our invention in

**DISPLAY SUBSTRATE HAVING QUANTUM WELL FOR IMPROVED ELECTRON MOBILITY AND DISPLAY DEVICE INCLUDING THE SAME**

for which we have executed a United States patent application on or about the date of this assignment, and all patent applications and patents of every country for said invention, including divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said applications; we authorize the above-named assignee to apply for patents of foreign countries for said invention, and to claim all rights of priority without further authorization from us; we agree to execute all papers useful in connection with said United States and foreign applications, and generally to do everything possible to aid said assignee, its successors, assigns and nominees, at their request and expense, in obtaining and enforcing patents for said invention in all countries; and we request that the United States Patent and Trademark Office issue all patents granted for said invention to the above-named assignee, its successors and assigns.

Executed this 29<sup>th</sup> day of December, 2008.

  
\_\_\_\_\_  
YOON, Kap-Soo

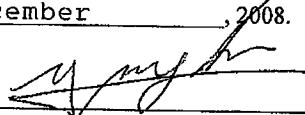
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Signature

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Type or print name of witness

Executed this 29th day of December, 2008.

  
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YANG, Sung-Hoon

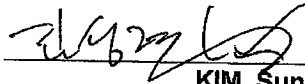
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Signature

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KIM, Sung-Ryul

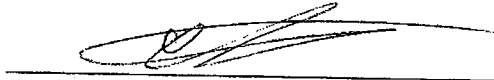
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Type or print name of witness

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\_\_\_\_\_  
OH, Hwa-Yeul

WITNESSED:

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Signature

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Date

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\_\_\_\_\_  
CHOI, Jae-Ho

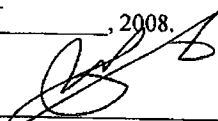
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\_\_\_\_\_  
CHOI, Yong-Mo

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