

PATENT ASSIGNMENT

Electronic Version v1.1

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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>Seob SHIN</td><td>09/21/2007</td></tr><tr><td>Yeong-Koo KIM</td><td>09/21/2007</td></tr></tbody></table>		Name	Execution Date	Seob SHIN	09/21/2007	Yeong-Koo KIM	09/21/2007				
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RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>Samsung Electronics Co., Ltd.</td></tr><tr><td>Street Address:</td><td>#416, Maetan-dong,</td></tr><tr><td>Internal Address:</td><td>Yeongtong-gu, Suwon-si,</td></tr><tr><td>City:</td><td>Gyeonggi-do</td></tr><tr><td>State/Country:</td><td>KOREA, REPUBLIC OF</td></tr></table>		Name:	Samsung Electronics Co., Ltd.	Street Address:	#416, Maetan-dong,	Internal Address:	Yeongtong-gu, Suwon-si,	City:	Gyeonggi-do	State/Country:	KOREA, REPUBLIC OF
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
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Total Attachments: 2 source=ab2483us_assn#page1.tif source=ab2483us_assn#page2.tif											

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PATENT

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REEL: 019891 FRAME: 0161

ASSIGNMENT

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

SHIN, Seob	of	601-1503, Samik Apt., 15, Myeongil-dong, Gangdong-gu, Seoul, Korea
KIM, Yeong-Koo	of	201, Chowon Villa, 430-5, Bangbae-dong, Seocho-gu, Seoul, 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, Korea, its successors and assigns, the entire right, title and interest throughout the world in our invention in

LOW-LEAKAGE GATE LINES DRIVING CIRCUIT FOR DISPLAY DEVICE

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, their 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 21st day of September, 2007.

Shin Seob

SHIN, Seob

WITNESSED:

Signature

[Signature]

Date: Sep. 21, 2007

KIM, Yu-Mi

Executed this 21st day of September, 2007.

KIM Yeong Koo
KIM, Yeong-Koo

WITNESSED:

Signature KIM

Date: Sep. 21, 2007

KIM, Youn-Kyoung