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## 1. Name of conveying party(ies):

Jae-phil KOO  
Dae-sik KIM  
Su-gun KIM

## 2. Name and address of receiving party(ies):

SAMSUNG ELECTRONICS CO., LTD.  
416, Maetan-dong,  
Yeongtong-gu, Suwon-si,  
Gyeonggi-do, Republic of KoreaAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Execution Date: November 21, 2005

Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: November 21, 2005

A. Patent Application No.(s)  
UnknownB. Patent No.(s)  
UnknownAdditional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

SUGHRUE MION, PLLC

WASHINGTON OFFICE

23373

CUSTOMER NUMBER

## 6. Total number of applications and patents involved:

1

## 7. Total fee (37 CFR 3.41): \$40.00

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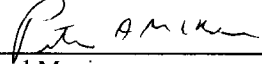
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## Assignment

Whereas, We, Jae-phil KOO, Dae-sik KIM, and Su-gun KIM, of Seoul, Republic of Korea; Suwon-si, Republic of Korea; and Hwaseong-si, Republic of Korea, respectively, hereinafter called assignors, have invented certain improvements in VOLUMETRIC THREE-DIMENSIONAL DISPLAY PANEL AND SYSTEM USING MULTI-LAYERED ORGANIC LIGHT EMITTING DEVICES and executed an application for Letters Patent of the United States of America therefor on 21 November 2005; and

Whereas, SAMSUNG ELECTRONICS CO., LTD., 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

We, the above named assignors, hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. §119, and we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

We hereby authorize and request our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number \_\_\_\_\_ and Confirmation number \_\_\_\_\_, filed \_\_\_\_\_) the application number and filing date of said application when known.

Date: 21 November 2005 Koo, Jae-phil  
s/KOO, Jae-phil

Date: 21 November 2005 KIM DAE SIK  
s/KIM, Dae-sik

Date: 21 November 2005 Kim Su Gun  
s/KIM, Su-gun

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)