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1. Name of conveying party(ies):
Dae-sik KIM
Yung-jun PARK
Kun-ho CHO
Hee-joong LEE
Chong-sam CHUNG
Jong-chul CHOI
Tae-hee Kim
Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies):
SAMSUNG ELECTRONICS CO., LTD.
416, Maetan-dong, Yeongtong-gu,
Suwon-si, Gyeonggi-do,
Republic of Korea

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: August 19 and October 6, 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: 1
A. Patent Application No.(s)
10/510,281

B. Patent No.(s)
Additional 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
 Enclosed.
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To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Darryl Mexic
Darryl Mexic Reg. No. 23,063

October 19, 2005
Date

Total number of pages including cover sheet, attachments, and documents: 9

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MAIL STOP ASSIGNMENT RECORDATION SERVICES
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Alexandria, VA 22313-1450

Assignment

Whereas, We, **Dae-Sik KIM, Kun-Ho CHO, Jong-Chul CHOI and Tae-Hee KIM** of Suwon-si, Gyeonggi-do, Republic of Korea, **Yung-Jun PARK** of Yongin-si, Gyeonggi-do, Republic of Korea, **Hee-Joong LEE** of Anyang-si, Gyeonggi-do, Republic of Korea, and **Chung-Sam CHUNG** of Hwaseong-gun, Gyeonggi-do, Republic of Korea, respectively, hereinafter called assignors, have invented certain improvements in

HIGH EFFICIENCY LIGHTING SYSTEM, SCROLLING UNIT AND PROJECTION SYSTEM EMPLOYING THE SAME and executed an application for Letters Patent of the United States of America therefor on August 19 August 2005; and

Whereas, **SAMSUNG ELECTRONICS CO., LTD.**, 416, Maetan-dong, Yongsong-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 assignor(s), 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 **10/510,281** and Confirmation number , filed October 6, 2004) the application number and filing date of said application when known.

Date: 19 August 2005 KIM DAE SIK
s/Dae-Sik KIM

Date: _____
s/Yung-Jun PARK

Date: _____
s/Kun-Ho CHO

Date: _____
s/Hee-Joong LEE

Date:

s/Chong-Sam CHUNG

Date:

s/Jong-Chul CHOI

Date:

76 年 8 月 19 日

2005. 08. 19.

s/Tae-Hoo KIM

Assignment

Whereas, We, **Das-Sik KIM, Kun-Ho CHO, Jong-Chul CHOI** and **Tae-Heo KIM** of, Suwon-si, Gyeonggi-do, Republic of Korea, **Yung-Jun PARK** of Yongin-si, Gyeonggi-do, Republic of Korea, **Hee-Joong LEE** of Anyang-si, Gyeonggi-do, Republic of Korea, and **Chong-Sam CHUNG** of Hwaseong-gun, Gyeonggi-do, Republic of Korea, respectively, hereinafter called assignors, have invented certain improvements in

HIGH EFFICIENCY LIGHTING SYSTEM, SCROLLING UNIT AND PROJECTION SYSTEM EMPLOYING THE SAME and executed an application for Letters Patent of the United States of America therefor on 19 August 2005; and

Whereas, **SAMSUNG ELECTRONICS CO., LTD.**, 416, Mactan-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 assignor(s), 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 **10/510,281** and Confirmation number _____, filed October 6, 2004) the application number and filing date of said application when known.

Date:

 /Das-Sik KIM

Date:

Aug. 19. 2005.

/Yung-Jun PARK

Date:

 /Kun-Ho CHO

Date:

 /Hee-Joong LEE

Date:

s/Chong-Sam CHUNG

Date:

s/Jong-Chul CHOI

Date:

s/Tae-Hee KIM

Assignment

Whereas, We, Dae-Sik KIM, Kun-Ho CHO, Jong-Chul CHOI and Tae-Hee KIM of, Suwon-si, Gyeonggi-do, Republic of Korea, Yung-Jun PARK of Yongin-si, Gyeonggi-do, Republic of Korea, Hee-Joong LEE of Anyang-si, Gyeonggi-do, Republic of Korea, and Chong-Sam CHUNG of Hwaseong-gun, Gyeonggi-do, Republic of Korea, respectively, hereinafter called assignors, have invented certain improvements in

HIGH EFFICIENCY LIGHTING SYSTEM, SCROLLING UNIT AND PROJECTION SYSTEM EMPLOYING THE SAME and executed an application for Letters Patent of the United States of America therefor on 19 August 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;

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Date: _____
s/Dae-Sik KIM

Date: _____
s/Yung-Jun PARK

Date: _____
s/Kun-Ho CHO

Date: 19 August 2005 Lee Hee Joong
s/Hee-Joong LEE

Date: 19 August 2005

C.S. Chung
s/Chong-Sam CHUNG

Date: 19 August 2005

J.C. Choi
s/Jong-Chul CHOI

Date:

s/Tae-Hee KIM

Assignment

Whereas, We, **Dae-Sik KIM, Kun-Ho CHO, Jong-Chul CHOI and Tae-Hee KIM** of, Suwon-si, Gyeonggi-do, Republic of Korea, **Yung-Jun PARK** of Yongin-si, Gyeonggi-do, Republic of Korea, **Hee-Joong LEE** of Anyang-si, Gyeonggi-do, Republic of Korea, and **Chong-Sam CHUNG** of Hwaseong-gun, Gyeonggi-do, Republic of Korea, respectively, hereinafter called assignors, have invented certain improvements in

HIGH EFFICIENCY LIGHTING SYSTEM, SCROLLING UNIT AND PROJECTION SYSTEM EMPLOYING THE SAME and executed an application for Letters Patent of the United States of America therefor on 6 October 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;

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Date: _____
s/Dae-Sik KIM

Date: _____
s/Yung-Jun PARK

Date: **6 October 2005** **KUN HO CHO**
s/Kun-Ho CHO

Date: _____
s/Hee-Joong LEE

Date:

s/Chong-Sam CHUNG

Date:

s/Jong-Chul CHOI

Date:

s/Tae-Hee KIM