

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT																						
NATURE OF CONVEYANCE:	Corrective Assignment to correct the spelling of Assignor Jong Hoe AN's last name previously recorded on Reel 028661 Frame 0715. Assignor(s) hereby confirms the correct spelling is Jong Hoe AN.																						
CONVEYING PARTY DATA																							
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Jong Hoe AN</td> <td>05/19/2011</td> </tr> <tr> <td>Seok Woo LEE</td> <td>06/03/2011</td> </tr> <tr> <td>Young Woo YUN</td> <td>05/18/2011</td> </tr> <tr> <td>Ki Jun KIM</td> <td>05/18/2011</td> </tr> <tr> <td>Young Jun KIM</td> <td>05/20/2011</td> </tr> <tr> <td>Chan Ho KYUNG</td> <td>06/03/2011</td> </tr> <tr> <td>Young Cheul YOON</td> <td>06/09/2011</td> </tr> <tr> <td>Sang Gook KIM</td> <td>06/03/2011</td> </tr> <tr> <td>Li Hsiang SUN</td> <td>06/03/2011</td> </tr> <tr> <td>Shu WANG</td> <td>05/17/2011</td> </tr> </tbody> </table>		Name	Execution Date	Jong Hoe AN	05/19/2011	Seok Woo LEE	06/03/2011	Young Woo YUN	05/18/2011	Ki Jun KIM	05/18/2011	Young Jun KIM	05/20/2011	Chan Ho KYUNG	06/03/2011	Young Cheul YOON	06/09/2011	Sang Gook KIM	06/03/2011	Li Hsiang SUN	06/03/2011	Shu WANG	05/17/2011
Name	Execution Date																						
Jong Hoe AN	05/19/2011																						
Seok Woo LEE	06/03/2011																						
Young Woo YUN	05/18/2011																						
Ki Jun KIM	05/18/2011																						
Young Jun KIM	05/20/2011																						
Chan Ho KYUNG	06/03/2011																						
Young Cheul YOON	06/09/2011																						
Sang Gook KIM	06/03/2011																						
Li Hsiang SUN	06/03/2011																						
Shu WANG	05/17/2011																						
RECEIVING PARTY DATA																							
<table border="1"> <tr> <td>Name:</td> <td>LG ELECTRONICS INC.</td> </tr> <tr> <td>Street Address:</td> <td>20 Yeouido-dong, Yeongdeungpo-gu</td> </tr> <tr> <td>City:</td> <td>Seoul</td> </tr> <tr> <td>State/Country:</td> <td>KOREA, REPUBLIC OF</td> </tr> <tr> <td>Postal Code:</td> <td>150-721</td> </tr> </table>		Name:	LG ELECTRONICS INC.	Street Address:	20 Yeouido-dong, Yeongdeungpo-gu	City:	Seoul	State/Country:	KOREA, REPUBLIC OF	Postal Code:	150-721												
Name:	LG ELECTRONICS INC.																						
Street Address:	20 Yeouido-dong, Yeongdeungpo-gu																						
City:	Seoul																						
State/Country:	KOREA, REPUBLIC OF																						
Postal Code:	150-721																						
PROPERTY NUMBERS Total: 1																							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13560777</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13560777																		
Property Type	Number																						
Application Number:	13560777																						
CORRESPONDENCE DATA																							
Fax Number:	2136232211																						
Phone:	213-623-2221																						
Email:	patent@lhlaw.com																						
Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.																							

OP \$40.00 13560777

Correspondent Name: Lee Hong Degerman Kang & Waimey  
Address Line 1: 660 S. Figueroa St., Ste. 2300  
Address Line 4: Los Angeles, CALIFORNIA 90017

ATTORNEY DOCKET NUMBER: 2101-3418R1

NAME OF SUBMITTER: Jeffrey J. Lotspeich

**Total Attachments: 14**

source=1\_2101-3418R1\_CoverSheet#page1.tif  
source=1\_2101-3418R1\_CoverSheet#page2.tif  
source=2\_2101-3418\_Assignment#page1.tif  
source=2\_2101-3418\_Assignment#page2.tif  
source=2\_2101-3418\_Assignment#page3.tif  
source=2\_2101-3418\_Assignment#page4.tif  
source=2\_2101-3418\_Assignment#page5.tif  
source=2\_2101-3418\_Assignment#page6.tif  
source=2\_2101-3418\_Assignment#page7.tif  
source=2\_2101-3418\_Assignment#page8.tif  
source=2\_2101-3418\_Assignment#page9.tif  
source=2\_2101-3418\_Assignment#page10.tif  
source=2\_2101-3418\_Assignment#page11.tif  
source=2\_2101-3418\_Assignment#page12.tif


**United States Patent and Trademark Office**
[Home](#) | [Site Index](#) | [Search](#) | [Guides](#) | [Contacts](#) | [eBusiness](#) | [eBiz alerts](#) | [News](#) | [Help](#)

**Electronic Patent Assignment System**

Patent Assignment Recordation Form

 Navigation: [Home](#) | [Site Index](#) | [Search](#) | [Guides](#) | [Contacts](#) | [eBusiness](#) | [eBiz alerts](#) | [News](#) | [Help](#) | [Sign](#)

EPAS v.1.4.5

PTO-1595 (Rev. 05/03)

OMB No. 0651-0027 (Exp. 10/31/2008)

## Signature

The request must be signed by the filer. The request will not be "signed" in the sense of a traditional paper document. To sign the request, the signer must enter any combination of printable characters that have been adopted to serve the function of a signature, preceded and followed by the forward slash(/) symbol. Acceptable "signatures" could include: /john doe/; /jd/; and /123-4567/.

**Sign the request by completing the following fields**

### 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; margin-top: 10px;"> <thead> <tr> <th style="width: 60%;">Name</th> <th style="width: 40%;">Execution Date</th> </tr> </thead> <tbody> <tr><td>Jong Hoe AH</td><td>05/19/2011</td></tr> <tr><td>Seok Woo LEE</td><td>06/03/2011</td></tr> <tr><td>Young Woo YUN</td><td>05/18/2011</td></tr> <tr><td>Ki Jun KIM</td><td>05/18/2011</td></tr> <tr><td>Young Jun KIM</td><td>05/20/2011</td></tr> <tr><td>Chan Ho KYUNG</td><td>06/03/2011</td></tr> <tr><td>Young Cheul YOON</td><td>06/09/2011</td></tr> <tr><td>Sang Gook KIM</td><td>06/03/2011</td></tr> <tr><td>Li Hsiang SUN</td><td>06/03/2011</td></tr> <tr><td>Shu WANG</td><td>05/17/2011</td></tr> </tbody> </table>		Name	Execution Date	Jong Hoe AH	05/19/2011	Seok Woo LEE	06/03/2011	Young Woo YUN	05/18/2011	Ki Jun KIM	05/18/2011	Young Jun KIM	05/20/2011	Chan Ho KYUNG	06/03/2011	Young Cheul YOON	06/09/2011	Sang Gook KIM	06/03/2011	Li Hsiang SUN	06/03/2011	Shu WANG	05/17/2011
Name	Execution Date																						
Jong Hoe AH	05/19/2011																						
Seok Woo LEE	06/03/2011																						
Young Woo YUN	05/18/2011																						
Ki Jun KIM	05/18/2011																						
Young Jun KIM	05/20/2011																						
Chan Ho KYUNG	06/03/2011																						
Young Cheul YOON	06/09/2011																						
Sang Gook KIM	06/03/2011																						
Li Hsiang SUN	06/03/2011																						
Shu WANG	05/17/2011																						
<b>RECEIVING PARTY DATA</b> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <td style="width: 20%;"><b>Name:</b></td> <td>LG ELECTRONICS INC.</td> </tr> <tr> <td><b>Street Address:</b></td> <td>20 Yeouido-dong, Yeoungdeungpo-gu</td> </tr> <tr> <td><b>City:</b></td> <td>Seoul</td> </tr> </table>		<b>Name:</b>	LG ELECTRONICS INC.	<b>Street Address:</b>	20 Yeouido-dong, Yeoungdeungpo-gu	<b>City:</b>	Seoul																
<b>Name:</b>	LG ELECTRONICS INC.																						
<b>Street Address:</b>	20 Yeouido-dong, Yeoungdeungpo-gu																						
<b>City:</b>	Seoul																						

**PATENT**
**REEL: 028775 FRAME: 0389**

<b>State/Country:</b>	KOREA, REPUBLIC OF
<b>Postal Code:</b>	150-721

  
**PROPERTY NUMBERS Total: 1**  

Property Type	Number
<b>Application Number:</b>	13560777

  
**CORRESPONDENCE DATA**  
  
**Fax Number:** 2136232211  
**Phone:** 213-623-2221  
**Email:** patent@lhlaw.com  
*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.*  
**Correspondent Name:** LEE, HONG, DEGERMAN, KANG & WAIMEY  
**Address Line 1:** 660 S. FIGUEROA STREET  
**Address Line 2:** Suite 2300  
**Address Line 4:** LOS ANGELES, CALIFORNIA 90017  
  
**Total Attachments: 12**  
source=9\_2101-3418\_Assignment#page1.tif  
source=9\_2101-3418\_Assignment#page2.tif  
source=9\_2101-3418\_Assignment#page3.tif  
source=9\_2101-3418\_Assignment#page4.tif  
source=9\_2101-3418\_Assignment#page5.tif  
source=9\_2101-3418\_Assignment#page6.tif  
source=9\_2101-3418\_Assignment#page7.tif  
source=9\_2101-3418\_Assignment#page8.tif  
source=9\_2101-3418\_Assignment#page9.tif  
source=9\_2101-3418\_Assignment#page10.tif  
source=9\_2101-3418\_Assignment#page11.tif  
source=9\_2101-3418\_Assignment#page12.tif

<b>Signature: *</b>	/Norman T. Lee/
<b>Name: *</b>	Norman T. Lee
<b>Date:</b>	07/27/2012

[Next Screen](#) [Back](#)[Cancel](#) [Save](#)[HOME](#) | [INDEX](#) | [SEARCH](#) | [eBUSINESS](#) | [CONTACT US](#) | [PRIVACY STATEMENT](#)

07/27/2012 06:36 PM EDT

# ASSIGNMENT

(1-12) Insert Name(s) of  
Inventor(s)

- |                   |                      |
|-------------------|----------------------|
| (1) JONG HOE AN   | (7) YOUNG CHEUL YOON |
| (2) SEOK WOO LEE  | (8) SANG GOOK KIM    |
| (3) YOUNG WOO YUN | (9) LI HSIANG SUN    |
| (4) KI JUN KIM    | (10) SHU WANG        |
| (5) YOUNG JUN KIM | (11)                 |
| (6) CHAN HO KYUNG | (12)                 |

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(13) Insert name of Assignee

(13) **LG ELECTRONICS INC.**

(14) Insert state of Incorporation  
of Assignee

(14) **Korea**

(15) Insert address of Assignee

(15) 20 Yoido-dong, Youngdungpo-gu,  
Seoul, 150-010, Korea

(hereinafter designated as the Assignee) the entire worldwide right, title and interest in the invention known as

(16) Insert identification of  
Invention, such as Title,  
Case Number or Foreign  
Application Number

(16) **METHOD OF PROVIDING POINT-TO-MULTIPOINT SERVICE  
IN MOBILE COMMUNICATION SYSTEM (Application No.**

**11/993,874)**

for which the undersigned has (have) executed an application for patent in the United States of America and all patent applications in foreign countries corresponding thereto or based thereon.

(17) Insert Date of Signing of  
Application

(17)

1) The undersigned agree(s) to execute all papers necessary in connection with any original, reissue, divisional and continuing United States and foreign applications for the above-identified invention and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed any agreement in conflict herewith.

The undersigned hereby appoints **the Attorneys associated with Customer No. 035884** the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

1) Date: <u>5/19/2011</u>	Signature of Inventor <u>ATH</u>
2) Date: _____	Signature of Inventor _____
3) Date: _____	Signature of Inventor _____
4) Date: _____	Signature of Inventor _____
5) Date: _____	Signature of Inventor _____
6) Date: _____	Signature of Inventor _____
7) Date: _____	Signature of Inventor _____
8) Date: _____	Signature of Inventor _____
9) Date: _____	Signature of Inventor _____
10) Date: _____	Signature of Inventor _____



**ASSIGNMENT**

(1-12) Insert Name(s) of  
Inventor(s)

- |                   |                      |
|-------------------|----------------------|
| (1) JONG HOE AN   | (7) YOUNG CHEUL YOON |
| (2) SEOK WOO LEE  | (8) SANG GOOK KIM    |
| (3) YOUNG WOO YUN | (9) LI HSIANG SUN    |
| (4) KI JUN KIM    | (10) SHU WANG        |
| (5) YOUNG JUN KIM | (11)                 |
| (6) CHAN HO KYUNG | (12)                 |

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(13) Insert name of Assignee

(13) **LG ELECTRONICS INC.**

(14) Insert state of Incorporation  
of Assignee

(14) **Korea**

(15) Insert address of Assignee

(15) 20 Yoido-dong, Youngdungpo-gu,  
Seoul, 150-010, Korea

(hereinafter designated as the Assignee) the entire worldwide right, title and interest in the invention known as

(16) Insert identification of  
Invention, such as Title,  
Case Number or Foreign  
Application Number

(16) **METHOD OF PROVIDING POINT-TO-MULTIPOINT SERVICE  
IN MOBILE COMMUNICATION SYSTEM (Application No.**

**11/993,874)**

for which the undersigned has (have) executed an application for patent in the United States of America and all patent applications in foreign countries corresponding thereto or based thereon.

(17) Insert Date of Signing of  
Application

(17)

1) The undersigned agree(s) to execute all papers necessary in connection with any original, reissue, divisional and continuing United States and foreign applications for the above-identified invention and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed any agreement in conflict herewith.

The undersigned hereby appoints **the Attorneys associated with Customer No. 035884** the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

1) Date: _____	Signature of Inventor _____
2) Date: <u>2011. 6. 3</u>	Signature of Inventor <u>[Signature]</u>
3) Date: <u>2011. 5. 18</u>	Signature of Inventor <u>[Signature]</u>
4) Date: <u>2011. 4. 18</u>	Signature of Inventor <u>7.27.12</u>
5) Date: _____	Signature of Inventor _____
6) Date: _____	Signature of Inventor _____
7) Date: _____	Signature of Inventor _____
8) Date: _____	Signature of Inventor _____
9) Date: _____	Signature of Inventor _____
10) Date: _____	Signature of Inventor _____



LG Electronics



**ASSIGNMENT**

(1-12) *Insert Name(s) of  
Inventor(s)*

- |                   |                      |
|-------------------|----------------------|
| (1) JONG HOE AN   | (7) YOUNG CHEUL YOON |
| (2) SEOK WOO LEE  | (8) SANG GOOK KIM    |
| (3) YOUNG WOO YUN | (9) LI HSIANG SUN    |
| (4) KI JUN KIM    | (10) SHU WANG        |
| (5) YOUNG JUN KIM | (11)                 |
| (6) CHAN HO KYUNG | (12)                 |

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(13) *Insert name of Assignee*

(13) **LG ELECTRONICS INC.**

(14) *Insert state of Incorporation  
of Assignee*

(14) **Korea**

(15) *Insert address of Assignee*

(15) 20 Yoido-dong, Youngdungpo-gu,  
Seoul, 150-010, Korea

(hereinafter designated as the Assignee) the entire worldwide right, title and interest in the invention known as

(16) *Insert identification of  
Invention, such as Title,  
Case Number or Foreign  
Application Number*

(16) **METHOD OF PROVIDING POINT-TO-MULTIPOINT SERVICE  
IN MOBILE COMMUNICATION SYSTEM (Application No.  
11/993,874)**

for which the undersigned has (have) executed an application for patent in the United States of America and all patent applications in foreign countries corresponding thereto or based thereon.

(17) *Insert Date of Signing of  
Application*

(17)

1) The undersigned agree(s) to execute all papers necessary in connection with any original, reissue, divisional and continuing United States and foreign applications for the above-identified invention and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.


2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed any agreement in conflict herewith.

The undersigned hereby appoints **the Attorneys associated with Customer No. 035884** the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

1) Date: _____	Signature of Inventor _____
2) Date: _____	Signature of Inventor _____
3) Date: _____	Signature of Inventor _____
4) Date: _____	Signature of Inventor _____
5) Date: <u>May 20, 2011</u>	Signature of Inventor <u></u>
6) Date: _____	Signature of Inventor _____
7) Date: _____	Signature of Inventor _____
8) Date: _____	Signature of Inventor _____
9) Date: _____	Signature of Inventor _____
10) Date: _____	Signature of Inventor _____

**ASSIGNMENT**

(1-12) *Insert Name(s) of  
Inventor(s)*

- |                   |                      |
|-------------------|----------------------|
| (1) JONG HOE AN   | (7) YOUNG CHEUL YOON |
| (2) SEOK WOO LEE  | (8) SANG GOOK KIM    |
| (3) YOUNG WOO YUN | (9) LI HSIANG SUN    |
| (4) KI JUN KIM    | (10) SHU WANG        |
| (5) YOUNG JUN KIM | (11)                 |
| (6) CHAN HO KYUNG | (12)                 |

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(13) *Insert name of Assignee*

(13) **LG ELECTRONICS INC.**

(14) *Insert state of Incorporation  
of Assignee*

(14) **Korea**

(15) *Insert address of Assignee*

(15) 20 Yoido-dong, Youngdungpo-gu,  
Seoul, 150-010, Korea

(hereinafter designated as the Assignee) the entire worldwide right, title and interest in the invention known as

(16) *Insert identification of  
Invention, such as Title,  
Case Number or Foreign  
Application Number*

(16) **METHOD OF PROVIDING POINT-TO-MULTIPOINT SERVICE  
IN MOBILE COMMUNICATION SYSTEM (Application No.  
11/993,874)**

for which the undersigned has (have) executed an application for patent in the United States of America and all patent applications in foreign countries corresponding thereto or based thereon.

(17) *Insert Date of Signing of  
Application*

(17)

1) The undersigned agree(s) to execute all papers necessary in connection with any original, reissue, divisional and continuing United States and foreign applications for the above-identified invention and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.




2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed any agreement in conflict herewith.

The undersigned hereby appoints **the Attorneys associated with Customer No. 035884** the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

1) Date: _____	Signature of Inventor _____
2) Date: _____	Signature of Inventor _____
3) Date: _____	Signature of Inventor _____
4) Date: _____	Signature of Inventor _____
5) Date: _____	Signature of Inventor _____
6) Date: <u>6/3/2011</u>	Signature of Inventor <u></u>
7) Date: _____	Signature of Inventor _____
8) Date: <u>6/3/2011</u>	Signature of Inventor <u></u>
9) Date: <u>6/3/2011</u>	Signature of Inventor <u></u>
10) Date: _____	Signature of Inventor _____

**ASSIGNMENT**

(1-12) *Insert Name(s) of  
Inventor(s)*

- |                   |                      |
|-------------------|----------------------|
| (1) JONG HOE AN   | (7) YOUNG CHEUL YOON |
| (2) SEOK WOO LEE  | (8) SANG GOOK KIM    |
| (3) YOUNG WOO YUN | (9) LI HSIANG SUN    |
| (4) KI JUN KIM    | (10) SHU WANG        |
| (5) YOUNG JUN KIM | (11)                 |
| (6) CHAN HO KYUNG | (12)                 |

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(13) *Insert name of Assignee*

(13) **LG ELECTRONICS INC.**

(14) *Insert state of Incorporation  
of Assignee*

(14) **Korea**

(15) *Insert address of Assignee*

(15) 20 Yoido-dong, Youngdungpo-gu,  
Seoul, 150-010, Korea

(hereinafter designated as the Assignee) the entire worldwide right, title and interest in the invention known as

(16) *Insert identification of  
Invention, such as Title,  
Case Number or Foreign  
Application Number*

(16) **METHOD OF PROVIDING POINT-TO-MULTIPOINT SERVICE  
IN MOBILE COMMUNICATION SYSTEM (Application No.  
11/993,874)**

for which the undersigned has (have) executed an application for patent in the United States of America and all patent applications in foreign countries corresponding thereto or based thereon.

(17) *Insert Date of Signing of  
Application*

(17)

1) The undersigned agree(s) to execute all papers necessary in connection with any original, reissue, divisional and continuing United States and foreign applications for the above-identified invention and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed any agreement in conflict herewith.

The undersigned hereby appoints **the Attorneys associated with Customer No. 035884** the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

1) Date: _____	Signature of Inventor _____
2) Date: _____	Signature of Inventor _____
3) Date: _____	Signature of Inventor _____
4) Date: _____	Signature of Inventor _____
5) Date: _____	Signature of Inventor _____
6) Date: _____	Signature of Inventor _____
7) Date: <u>Jun 9, 11</u>	Signature of Inventor <u>yc y</u>
8) Date: _____	Signature of Inventor _____
9) Date: _____	Signature of Inventor _____
10) Date: _____	Signature of Inventor _____

# ASSIGNMENT

(1-12) *Insert Name(s) of  
Inventor(s)*

- |                   |                      |
|-------------------|----------------------|
| (1) JONG HOE AN   | (7) YOUNG CHEUL YOON |
| (2) SEOK WOO LEE  | (8) SANG GOOK KIM    |
| (3) YOUNG WOO YUN | (9) LI HSIANG SUN    |
| (4) KI JUN KIM    | (10) SHU WANG        |
| (5) YOUNG JUN KIM | (11)                 |
| (6) CHAN HO KYUNG | (12)                 |

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(13) *Insert name of Assignee*

(13) **LG ELECTRONICS INC.**

(14) *Insert state of Incorporation  
of Assignee*

(14) **Korea**

(15) *Insert address of Assignee*

(15) 20 Yoido-dong, Youngdungpo-gu,  
Seoul, 150-010, Korea

(hereinafter designated as the Assignee) the entire worldwide right, title and interest in the invention known as

(16) *Insert identification of  
Invention, such as Title,  
Case Number or Foreign  
Application Number*

(16) **METHOD OF PROVIDING POINT-TO-MULTIPOINT SERVICE  
IN MOBILE COMMUNICATION SYSTEM (Application No.  
11/993,874)**

for which the undersigned has (have) executed an application for patent in the United States of America and all patent applications in foreign countries corresponding thereto or based thereon.

(17) *Insert Date of Signing of  
Application*

(17)

1) The undersigned agree(s) to execute all papers necessary in connection with any original, reissue, divisional and continuing United States and foreign applications for the above-identified invention and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed any agreement in conflict herewith.

The undersigned hereby appoints **the Attorneys associated with Customer No. 035884** the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document

1) Date: \_\_\_\_\_ Signature of Inventor \_\_\_\_\_  
2) Date: \_\_\_\_\_ Signature of Inventor \_\_\_\_\_  
3) Date: \_\_\_\_\_ Signature of Inventor \_\_\_\_\_  
4) Date: \_\_\_\_\_ Signature of Inventor \_\_\_\_\_  
5) Date: \_\_\_\_\_ Signature of Inventor \_\_\_\_\_  
6) Date: \_\_\_\_\_ Signature of Inventor \_\_\_\_\_  
7) Date: \_\_\_\_\_ Signature of Inventor \_\_\_\_\_  
8) Date: \_\_\_\_\_ Signature of Inventor \_\_\_\_\_  
9) Date: \_\_\_\_\_ Signature of Inventor \_\_\_\_\_  
10) Date: 5/17/2011 Signature of Inventor shg