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

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

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

Property Type	Number
Application Number:	13560777

CORRESPONDENCE DATA

2136232211 Fax Number: 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.

502022757

PATENT REEL: 028775 FRAME: 0387 \$40.00 135607

ОР

Address Line 1: 660 S. Figuero	erman Kang & Waimey a St., Ste. 2300 CALIFORNIA 90017
ATTORNEY DOCKET NUMBER:	2101-3418R1
NAME OF SUBMITTER:	Jeffrey J. Lotspeich
Total Attachments: 14 source=1_2101-3418R1_CoverSheet#page source=1_2101-3418R1_CoverSheet#page source=2_2101-3418_Assignment#page1.ti source=2_2101-3418_Assignment#page3.ti source=2_2101-3418_Assignment#page4.ti source=2_2101-3418_Assignment#page5.ti source=2_2101-3418_Assignment#page6.ti source=2_2101-3418_Assignment#page7.ti source=2_2101-3418_Assignment#page8.ti source=2_2101-3418_Assignment#page8.ti source=2_2101-3418_Assignment#page9.ti source=2_2101-3418_Assignment#page1.ti source=2_2101-3418_Assignment#page1.ti source=2_2101-3418_Assignment#page1.ti source=2_2101-3418_Assignment#page1.ti source=2_2101-3418_Assignment#page1.ti	2.tif f f f f f f f f f f f f f f f f f

USPTO. EPAS. Patent Assignment Recordation Form. Signature



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Electronic Patent Assignment System

Patent Assignment Recordation Form

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

NEW ASSIGNMENT			
ASSIGNMENT			
CONVEYING PARTY DATA			
me	Execution Date		
	05/19/2011		
Jong Hoe AH Seok Woo LEE			
Young Woo YUN			
Ki Jun KIM			
Young Jun KIM			
Chan Ho KYUNG			
	06/09/2011		
Young Cheul YOON Sang Gook KIM			
Li Hsiang SUN			
Shu WANG			
RECEIVING PARTY DATA			

Name:	LG ELECTRONICS INC.
Street Address:	20 Yeouido-dong, Yeoungdeungpo-gu
City:	Seoul

PATENT REEL: 028775 FRAME:>0389

http://epas.uspto.gov/epas/p.jsp

USPTO. EPAS. Patent Assignment Recordation Form. Signature

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State/Country:	KOREA, REPUBLIC OF				
Postal Code:	150-721				
PROPERTY NUMBERS Total: 1 Property Type Number Application Number: 13560777					
CORRESPONDENCE E	ЭАТА				
Fax Number:2136232211Phone:213-623-2221Email:patent@lhlaw.comCorrespondence will be sent v tre e-mail address first; if that is unsuccessful, it will be sent via US Mail.Correspondent Name:LEE, HONG, DEGERMAN, KANG & WAIMEYAddress Line 1:660 S. FIGUEROA STREETAddress Line 2:Suite 2300Address Line 4:LOS ANGELES, CALIFORNIA 90017					
Total Attachments: 12source=9_2101-3418_Assignment#page1.tifsource=9_2101-3418_Assignment#page2.tifsource=9_2101-3418_Assignment#page3.tifsource=9_2101-3418_Assignment#page4.tifsource=9_2101-3418_Assignment#page5.tifsource=9_2101-3418_Assignment#page6.tifsource=9_2101-3418_Assignment#page7.tifsource=9_2101-3418_Assignment#page8.tifsource=9_2101-3418_Assignment#page9.tifsource=9_2101-3418_Assignment#page10.tifsource=9_2101-3418_Assignment#page10.tifsource=9_2101-3418_Assignment#page11.tifsource=9_2101-3418_Assignment#page11.tifsource=9_2101-3418_Assignment#page12.tif					

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

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07/27/2012 06:36 PM EDT

(1-12	2)Insert Name(s) of Inventor(s)	 (1) (2) (3) (4) (5) (6) 	JONG HOE AN SEOK WOO LEE YOUNG WOO YUN KI JUN KIM YOUNG JUN KIM CHAN HO KYUNG In consideration of the sum of o valuable considerations paid undersigned agree(s) to assign,	to e	ollar (\$1.00) and other good and ach of the undersigned, the
			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, Youngdung Seoul, 150-010, Korea	ipo-g	u,
			einafter designated as the Assigned est in the invention known as	e) the	entire worldwide right, title and
(16)	Insert identification of Invention, such is Title, Case Number on foreign Application, Number	155	METHOD OF PROVIDING PO IN MOBILE COMMUNICATIO		
	CALLER AND		for which the undersigned has (ha In the United States of America ar countries corresponding thereto o	nd all	patent applications in foreign
(17)	Insert Date of Signing of	(17)			

ASSIGNMENT

(17) Insert Date of Signing of (1 Application

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.

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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.

1/2

danny.lee/이석우/10.18을 28-32/2011-06-03 15:09

a sur de l'ale

	AA
1) Date: 5/19/2011	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
	Signature of Inventor



;

.

ASSIGNMENT (1) JONG HOE AN

(2) SEOK WOO LEE

(5) YOUNG JUN KIM

- (3) YOUNG WOD YUN
- (4) KI JUN KIM

- (7) YOUNG CHEUL YOON
- (8) SANG GOOK KIM
- (9) LI HSIANG SUN (10) SHU WANG
- (10) SH
 - (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) LG ELECTRONICS INC.
- (14) Korea
- (13) Insert name of Assignee(14) Insert state of Incorporation of Assignee

(1-12)Insert Name(s) of

Inventor(s)

- (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 Stritle, Case Number of Greign Application, Number,

(16) METHOD OF PROVIDING POINT-TO-MULTIPOINT SERVICE IN MOBILE COMMUNICATION SYSTEM (Application No. 11/953,874)

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 (17) Application

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.

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1/2

e yan da lug

danny.lee/이석우/10.188 98 29/2011-06-03 15:09 PATENT REEL: 028775 FRAME: 0393

1) Date:	Signature of Inventor
2) Date: 2011 6.3	Signature of Inventor
3) Date: 2011.5.15	Signature of Inventor
4) Date: <u>>v //、F、/ P</u>	Signature of Inventor 71213
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



2/2

Multime 2 Comments

danny.lee/이석우/10.188.98.39/2011-06-03 15:09 **PATENT**

(7) YOUNG CHEUL YOON

ASSIGNMENT

Inventor(s) (2) SEOK WOO LEE (8) SANG GOOK KIM (3) YOUNG WOO YUN (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 (14) Korea of Assignee (15) Insert address of Assignee (15) 20 Yoido-dong, Youngdungpo-gu, Seoul, 150-010, Korea

(1) JONG HOE AN

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

(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.

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(9) LI HSIANG SUN



(1-12) Insert Name(s) of

voungiun.kim/김영준/10.178207 로마일이11-05-18 09:06

1) Date:	Signature of Inventor
2) Date:	Signature of Inventor
3) Date:	Signature of Inventor
4) Date:	Signature of Inventor
5) Date: May 20, 2011	Signature of Inventor buryang ghm
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

youngjun.kim/김영준/10.178,200,71/2011-05-18 09:06

ASSIGNMENT

- (1-12)Insert Name(s) of Inventor(s)
- (1) JONG HOE AN(2) SEOK WOO LEE
- (3) YOUNG WOO YUN
- (4) KI JUN KIM
- (5) YOUNG JUN KIM
- (6) CHAN HO KYUNG

(13) LG ELECTRONICS INC.

- (7) YOUNG CHEUL YOON
- (8) SANG GOOK KIM
- (9) LI HSIANG SUN
- (10) SHU WANG
- (11)
- (12)

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- (13) Insert name of Assignee
- (14) Insert state of Incorporation (14) Korea of Assignee
- (15) Insert address of Assignee
- (15) 20 Yoido-dong, Youngdungpo-gu, Seoul, 150-010, Korea

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

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PATENT REEL: 028775 FRAME: 0397

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
7) Date:	Signature of Inventor
8) Date: 6/3/2011	Signature of Inventor_ Rang Greek Hin
9) Date: 6/3/2/11	Signature of Inventor
10) Date:	Signature of Inventor

ASSIGNMENT

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

- (1) JONG HOE AN
- (2) SEOK WOO LEE
- (3) YOUNG WOO YUN
- (4) KI JUN KIM
- (5) YOUNG JUN KIM
- (6) CHAN HO KYUNG

(13) LG ELECTRONICS INC.

- (7) YOUNG CHEUL YOON
- (8) SANG GOOK KIM
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(15) Insert address of Assignee

of Assignee

- (14) Insert state of Incorporation (14) Korea
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PATENT REEL: 028775 FRAME: 0399

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: Jun 9,11	Signature of Inventor y y
8) Date:	Signature of Inventor
9) Date:	Signature of Inventor
10) Date:	Signature of Inventor

(7) YOUNG CHEUL YOON

ASSIGNMENT

- (1) JONG HOE AN
 - (2) SEOK WOO LEE
 - (3) YOUNG WOO YUN
 - (4) KI JUN KIM

(14) Korea

- (8) SANG GOOK KIM(9) LI HSIANG SUN
- (10) SHU WANG
- (5) YOUNG JUN KIM(6) CHAN HO KYUNG

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PATENT REEL: 028775 FRAME: 0401

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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: 5/17/2001	Signature of InventorSh