# PATENT ASSIGNMENT

# Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Seung Hee HAN	03/22/2011
Jin Sam KWAK	03/22/2011
Jae Hoon CHUNG	03/22/2011
Min Seok NOH	03/22/2011
Yeong Hyeon KWON	03/24/2011

#### **RECEIVING PARTY DATA**

Name:	LG ELECTRONICS INC.
Street Address:	20 Yeouido-dong, Yeongdeungpo-gu
City:	Seoul
State/Country:	REPUBLIC OF KOREA
Postal Code:	150-721

### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13125570

# **CORRESPONDENCE DATA**

Fax Number: (213)623-2211

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 213-623-2221 Email: patent@lhlaw.com

LEE, HONG, DEGERMAN, KANG & WAIMEY Correspondent Name:

Address Line 1: 660 S. FIGUEROA STREET

Address Line 2: Suite 2300

Address Line 4: LOS ANGELES, CALIFORNIA 90017

ATTORNEY DOCKET NUMBER:	2101-3966
NAME OF SUBMITTER:	Harry S. Lee

**PATENT** 

REEL: 026166 FRAME: 0822

Total Attachments: 4

source=2101-3966-Assignment#page1.tif

source=2101-3966-Assignment#page2.tif

source=2101-3966-Assignment#page3.tif

source=2101-3966-Assignment#page4.tif

PATENT REEL: 026166 FRAME: 0823

#### **ASSIGNMENT**

(1) HAN, Seung Hee (5) KWON, Yeong Hyeon (2) KWAK, Jin Sam (6) (3) CHUNG, Jae Hoon (7) (4) NOH, Min Seok (8)  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 (9) Insert state of Incorporation of Assignee (9) LG ELECTRONICS INC. (10) Insert state of Incorporation of Assignee (11) 20 Yeouido-dong Yeoungdeungpo-gu Seoul 150-721 Republic of Korea (hereinafter designated as the Assignee) the entire worldwide right, title and interest in the invention known as  (12) Insert identification of Invention, such as Title, Case Number or Foreign Application Number (Application Serial No. 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.				
considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to  (9) Insert name of Assignee  (10) Insert state of Incorporation of Assignee  (11) Insert address of Assignee  (11) 20 Yeouido-dong Yeoungdeungpo-gu Seoul 150-721 Republic of Korea  (hereinafter designated as the Assignee) the entire worldwide right, title and interest in the invention known as  (12) Insert identification of Invention, such as Title, Case Number or Foreign Application Number  (12) SIGNAL TRANSMISSION METHOD AND DEVICE IN WIRELESS  COMMUNICATION SYSTEM  (Application Serial No. ) 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.  (13) Insert Date of Signing of (13)	(1-8)	Insert Name(s) of inventor(s)	(2) KWAK, Jin Sam (3) CHUNG, Jae Hoon	(6) (7)
(10) Insert state of Incorporation of Assignee (11) Insert address of Assignee (11) 20 Yeouido-dong Yeoungdeungpo-gu Seoul 150-721 Republic of Korea (hereinafter designated as the Assignee) the entire worldwide right, title and interest in the invention known as  (12) Insert identification of Invention, such as Title, Case Number or Foreign Application Number  (12) SIGNAL TRANSMISSION METHOD AND DEVICE IN WIRELESS COMMUNICATION SYSTEM  (Application Serial No. ) 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.  (13) Insert Date of Signing of (13)			considerations paid to each of the and hereby does assign, transfer	e undersigned, the undersigned agree(s) to assign,
Assignee  (11) Insert address of Assignee  (12) Insert identification of Invention, such as Title, Case Number or Foreign Application Number  (Application Serial No. ) 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.  (13) Insert Date of Signing of  (11) 20 Yeouido-dong Yeoungdeungpo-gu Seoul 150-721 Republic of Korea  (hereinafter designated as the Assignee) the entire worldwide right, title and interest in the invention known as  (12) SIGNAL TRANSMISSION METHOD AND DEVICE IN WIRELESS COMMUNICATION SYSTEM  (Application Serial No. ) 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.	(9)	Insert name of Assignee	(9) LG ELECTRONICS INC.	
(12) Insert identification of Invention, such as Title, Case Number or Foreign Application Number  (13) Insert Date of Signing of  (hereinafter designated as the Assignee) the entire worldwide right, title and interest in the invention known as  (14) SIGNAL TRANSMISSION METHOD AND DEVICE IN WIRELESS COMMUNICATION SYSTEM  (Application Serial No. )  (Application Serial No. )		•	(10) Republic of Korea	
(12) Insert identification of Invention, such as Title, Case Number or Foreign Application Number  (12) SIGNAL TRANSMISSION METHOD AND DEVICE IN WIRELESS COMMUNICATION SYSTEM  (Application Serial No. ) 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.  (13) Insert Date of Signing of (13)	(11)	Insert address of Assignee	(11) 20 Yeouido-dong Yeoungde	eungpo-gu Seoul 150-721 Republic of Korea
such as Title, Case Number or Foreign Application Number  (Application Serial No. ) 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.  (13) Insert Date of Signing of (13)				signee) the entire worldwide right, title and interest
(Application Serial No. ) 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.  (13) Insert Date of Signing of (13)	(12)	such as Title, Case Number or		
(10) monte para di findimo di		<i>5</i> ,,	for which the undersigned has (ha States of America and all patent a	) ave) executed an application for patent in the United applications in foreign countries corresponding
	(13)	Insert Date of Signing of Application	(13)	

- 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.
- 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.

Date: 22nd, Mar, 2011	Signature of Inventor
Date: Mar. 22, 2011	Signature of Inventor
Date: 22nd March, 2011	Signature of Inventor Jac Hon Oug
Date: Mar, 201	Signature of Inventor
Nate:	Signature of loventor



#### ASSIGNMENT

(5) KWON, Yeong Hyeon (1) HAN, Seung Hee (1-8) Insert Name(s) of Inventor(s)

> (2) KWAK, Jin Sam (7)(3) CHUNG, Jae Hoon (8)(4) NOH, Min Seok

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

(9)Insert name of Assignee LG ELECTRONICS INC.

(10)Insert state of Incorporation of (10) Republic of Korea Assignee

(11) Insert address of Assignee (11) 20 Yeouido-dong Yeoungdeungpo-gu Seoul 150-721 Republic of Korea

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

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

(12) SIGNAL TRANSMISSION METHOD AND DEVICE IN WIRELESS COMMUNICATION SYSTEM

(Application Serial No.

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.

(13)Insert Date of Signing of **Application** 

(13)

- 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.
- 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.
- 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.
- 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.
- 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.

Date:		Signature of Inventor
Date:		Signature of Inventor
Date:		Signature of Inventor
Date:		Signature of Inventor
Date:	2011-03-24	Signature of Inventor