## PATENT ASSIGNMENT

## Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Hak Seong KIM	02/10/2010
Bong Hoe KIM	02/10/2010
Dong Wook ROH	02/01/2010
Dae Won LEE	02/10/2010
Suk Hyon YOON	02/10/2010
Dong Youn SEO	02/10/2010

### **RECEIVING PARTY DATA**

Name:	LG Electronics Inc.	
Street Address:	20 Yoido-dong, Yongdungpo-ku	
City:	Seoul	
State/Country:	REPUBLIC OF KOREA	

#### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12673438

### **CORRESPONDENCE DATA**

Fax Number: (202)496-7756

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

Phone: 2024967106

Email: mlaip@mckennalong.com

Correspondent Name: McKenna Long & Aldridge LLP

Address Line 1: 1900 K Street NW
Address Line 2: IP Department

Address Line 4: Washington, DISTRICT OF COLUMBIA 20006

ATTORNEY DOCKET NUMBER: 8737.328.00

NAME OF SUBMITTER: Eric J. Nuss

**PATENT** 

REEL: 023933 FRAME: 0709

1267 1267 1267

## Total Attachments: 6

source=8737328Assignment#page1.tif source=8737328Assignment#page2.tif source=8737328Assignment#page3.tif source=8737328Assignment#page4.tif source=8737328Assignment#page5.tif source=8737328Assignment#page6.tif

> PATENT REEL: 023933 FRAME: 0710

# **Assignment of Application**

WHEREAS, I	, ,	Hak Seong; KIM, Bong Hoe; ROH on; YOON, Suk Hyon and SEO, I		
respectively, have invented certain new and useful improvements in:				
SYSTEM		OATA IN A WIRELESS COMMU	NICATION	
for which an application	for which an application for Letters Patent was executed on			
(Application No.		, Filed	), and	
WHEREAS, LG ELECTRONICS INC. (hereinafter referred to as "ASSIGNEE")				
having a place of bu Republic of Korea,	isiness at: 20, Ye	eouido-dong, Yeongdeungpo-gu, S	Geoul 150-721,	

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and Its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behalf of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of McKenna Long & Aldridge LLP, Attorneys at Law, 1900 K Street, N.W., Washington, D.C. 20006 the power to insert on this assignment any further identification, including the application number and filing date, 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.

Page 1 of 2

DC:50565765.1

Dafe:	2010.2.10	小小水林
		(Signature of Inventor)
		KIM, Hak Seong
Date:		
Date.		(Signature of Inventor)
		(Signature of Inventor)
		KIM, Bong Hoe
Date:		
· · · · · · · · · · · · · · · · · · ·		(Signature of Inventor)
		ROH, Dong Wook
		Hori, Bong Hook
Date:	2010 2 10	Chan was
		(Signature of Inventor)
		LEE, Dae Won
		,
		Bul
Date:	2010.2.10	////////
		(Signature of Inventor)
		YOON, Suk Hyon
Date:	2010.2.10	
<del></del>		(Signature of Inventor)
		SEO, Dong Youn

McKenna Long & Aldridge LLP Attorneys At Law

Attorneys At Law 1900 K Street, N.W. Washington, D.C. 20006

Docket No.:

## **Assignment of Application**

WHEREAS, I			ong; KIM, Bor ON, Suk Hyo		, Dong Wook; LEE, Dong Youn,
respectively, have in	rvented ce	rtain new and	useful improv	vements in:	
METHOD OF TRA SYSTEM	NSMITTI	NG DATA II	A WIRELES	SS COMMU	NICATION
for which an applica	tion for L	etters Patent v	vas executed o	on	
(Application No.			, Filed		), and
WHEREAS, I	LG ELEC	TRONICS I	NC. (hereinafi	ter referred to	as "ASSIGNEE")
having a place of bu Republic of Korea,	siness at: 2	20, Yeouido-c	long, Yeongde	eungpo-gu, S	eoul 150-721,

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and Its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behalf of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of McKenna Long & Aldridge LLP, Attorneys at Law, 1900 K Street, N.W., Washington, D.C. 20006 the power to insert on this assignment any further identification, including the application number and filing date, 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.

Page 1 of 2

DC:50565765 1

## Docket No.:

. Date:	
	(Signature of Inventor)
	KIM, Hak Seong
	-
Date:	
	(Signature of Inventor)
	KIM, Bong Hoe
- T	<i>3</i> 0 .
Date: 1861, 2010	_ Dongwoode Roh
Date. OF TOPE	(Signature of Inventor)
	ROH, Dong Wook
	reori, Dong Wook
Date:	
	(Signature of Inventor)
	LEE, Dae Won
Date:	
	(Signature of Inventor)
	YOON, Suk Hyon
	•
Date:	
	(Signature of Inventor)
	SEO, Dong Youn

McKenna Long & Aldridge LLP Attorneys At Law 1900 K Street, N.W. Washington, D.C. 20006

Page 2 of 2

DC:50565765.1

# **Assignment of Application**

	T			
WHEREAS, I (WE)				
	Dae Won; YOON, Suk Hyon and SEO, Dong Youn,			
respectively, have invented certain new and useful improvements in:				
METHOD OF TRANSMIT SYSTEM	TING DATA IN A WIRELESS	COMMUNICATION		
for which an application for Letters Patent was executed on				
(Application No.	, Filed	), and		
WHEREAS, LG ELECTRONICS INC. (hereinafter referred to as "ASSIGNEE")				
having a place of business a	t: 20, Yeouido-dong, Yeongdeur	ngpo-gu, Seoul 150-721.		
Republic of Korea,				

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and Its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behalf of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of McKenna Long & Aldridge LLP, Attorneys at Law, 1900 K Street, N.W., Washington, D.C. 20006 the power to insert on this assignment any further identification, including the application number and filing date, 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.

Page 1 of 2

DC:50565765 1

## Docket No.:

Date:	
	(Signature of Inventor) KIM, Hak Seong
Date: Feb. 10, 2010	- Llez
	(Signature of Inventor)  KIM, Bong Hoe
Date:	·
	(Signature of Inventor) ROH, Dong Wook
Date:	
	(Signature of Inventor) LEE, Dae Won
Date:	
	(Signature of Inventor) YOON, Suk Hyon
Date:	
	(Signature of Inventor) SEO, Dong Youn

McKenna Long & Aldridge LLP Attorneys At Law

Attorneys At Law 1900 K Street, N.W. Washington, D.C. 20006

Page 2 of 2

DC:50565765.1