### PATENT ASSIGNMENT

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

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Yeong Hyeon KWON	03/10/2010
Hong Won PARK	05/03/2010
Sung Gu CHO	03/10/2010
Ki Ho NAM	03/10/2010
Dong Cheol KIM	03/10/2010
Jin Sam KWAK	03/10/2010
Sung Ho MOON	03/10/2010
Hyun Woo LEE	03/10/2010
Seung Hee HAN	03/10/2010
Min Seok NOH	03/10/2010

#### **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:	12741685

### **CORRESPONDENCE DATA**

Fax Number: (202)496-7756

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Correspondent Name: McKenna Long & Aldridge LLP

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

PATENT REEL: 024346 FRAME: 0659 H \$40 00 12741685

501168955

Address Line 4: Washington, D	ISTRICT OF COLUMBIA 20006
ATTORNEY DOCKET NUMBER:	8737.347.00
NAME OF SUBMITTER:	Eric J. Nuss
Total Attachments: 9 source=8737347Assignment#page1.tif source=8737347Assignment#page2.tif source=8737347Assignment#page3.tif source=8737347Assignment#page4.tif source=8737347Assignment#page5.tif source=8737347Assignment#page6.tif source=8737347Assignment#page7.tif source=8737347Assignment#page8.tif source=8737347Assignment#page9.tif	

PATENT REEL: 024346 FRAME: 0660

## **Assignment of Application**

WHEREAS,	I (WE)	KWON, Yeong Hyeon; PARK, Hong Won; CHO, Sung Gu; NAM, Ki Ho; KIM, Dong Cheol; KWAK, Jin Sam; MOON, Sung Ho; LEE, Hyun Woo; HAN, Seung Hee and NOH, Min Seok			
				, respectively,	
have invented certa	in new a	and useful improvements in:			
METHOD FOR	RETRA	ANSMITTING PACKETS AG FAILURES OR RELIABIL		RDING TO DECODING	
for which an applic	ation for	r Letters Patent was executed o	n		
(Application No.	- <del></del>	, Filed		), and	
WHEREAS,	LG EL	ECTRONICS INC.			
(hereinafter referre	d to as "	ASSIGNEE") having a place o	f busir	ness at:	
20. Yeouido-dong.	Yeongd	eungpo-gu, Seoul 150-721 Ren	oublic	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

Page 1 of 3

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.

Date:	
	(Signature of Inventor) KWON, Yeong Hyeon
Date: May 3, 2010	(Signature of Inventor) PARK, Hong Won
Date: Mar 10, 2010	<b>圣</b> /
	(Signature of Inventor) CHO, Sung Gu
Date:	-
	(Signature of Inventor) NAM, Ki Ho
Date:	
	(Signature of Inventor) KIM, Dong Cheol
Date:	
	(Signature of Inventor) KWAK, Jin Sam
Date:	
	(Signature of Inventor) MOON, Sung Ho
Date:	
	(Signature of Inventor) LEE, Hyun Woo

Page 2 of 3

Pate;	(Signature of Inventor)	
	HAN, Seung Hee	
ate:		
	(Signature of Inventor)	

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

Page 3 of 3

DC:50576580.1

Docket No.:

## **Assignment of Application**

WHEREAS	, I (WE)	KWON, Yeong Hye NAM, Ki Ho; KIM, Sung Ho; LEE, Hyu Seok	Dong C	heol; KW.	AK, Jin Sam; l	MOON,
					, resp	ectively,
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		ANSMITTING PACI FAILURES OR RE	LIABII	LITY	NG TO DEC	ODING
for which an appli	cation for	r Letters Patent was ex	recuted o	on	,	
(Application No.			, Filed			), and
WHEREAS,	LG EL	ECTRONICS INC.				
(hereinafter referre	ed to as "	ASSIGNEE") having	a place o	of business	s at:	
20, Yeouido-dong	, Yeongd	eungpo-gu, Seoul 150	-721 Re	public of I	Korea	

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Date:  (Signature of Inventor) PARK, Hong Won  Date:  (Signature of Inventor) CHO, Sung Gu  Date:  (Signature of Inventor) NAM, Ki Ho  Date:  (Signature of Inventor) NAM, Ki Ho  Oute:  (Signature of Inventor) NAM, Ki Ho  (Signature of Inventor) KIM, Dong Cheol  Dute:  (Signature of Inventor) KIM, Dong Cheol  (Signature of Inventor) KWAK, Jin Sam  Date:  (Signature of Inventor)  (Signature of Inventor)  (Signature of Inventor)  (Signature of Inventor)	Date: Mar, 10th, 2010	and and
Date: Mar. 10, 2010  (Signature of Inventor)  KIM, Dong Cheol  (Signature of Inventor)  KIM, Dong Cheol  (Signature of Inventor)  KIM, Dong Cheol  (Signature of Inventor)  KWAK, Jin Sam  Date: Mar. 10, 2010  (Signature of Inventor)  MOON, Sung Ho  Date: Mar. 10010		(Signature of thremot)
PARK, Hong Won  Date:  (Signature of Inventor) CHO, Sung Gu  Date:  (Signature of Inventor) NAM, Ki Ho  (Signature of Inventor) NAM, Ki Ho  (Signature of Inventor) KIM, Dong Cheol  (Signature of Inventor) KWAK, Jin Sam  Date: Mar lo 20   0  (Signature of Inventor) MOON, Sung Ho  Date: Mar, loth 200  (Signature of Inventor)	Date:	
Date: Mar. 10, 2010  Date: Mar. 10, 2010  Date: Mar. 10, 2010  Date: Mar. 10, 2010  One of the state of the s		
Date: Mar. 10. 2010  Date: Mar. 10. 2010  Date: Mar. 10. 2010  Date: Mar. 10. 2010  CHO, Sung Gu  (Signature of Inventor)  KIM, Dong Cheol  (Signature of Inventor)  KWAK, Jin Sam  (Signature of Inventor)  MOON, Sung Ho  Date: Mar. 10th. 2010  (Signature of Inventor)	Date:	
(Signature of Inventor)  NAM, Ki Ho  Date: Mar. 10, 2010  (Signature of Inventor)  KIM, Dong Cheol  (Signature of Inventor)  KWAK, Jin Sam  Date: Mar. 10 2010  (Signature of Inventor)  MOON, Sung Ho  Date: Mar. 10th. 2010  (Signature of Inventor)		
Date: Mar. 10, 2010  Date: Mar. 10, 2010  Date: Mar. 10 2010  Date: Mar. 10 2010  (Signature of Inventor)  KWAK, Jin Sam  (Signature of Inventor)  MOON, Sung Ho  Date: Mar. 10th. 2010  (Signature of Inventor)	Date:	
Date: Mar. 10, 2010  Date: Mar. 10, 2010  (Signature of Inventor)  (Signature of Inventor)  (Signature of Inventor)  MOON, Sung Ho  (Signature of Inventor)		
Date: Mar. 10, 2010  Date: Mar. 10, 2010  (Signature of Inventor)  (Signature of Inventor)  (Signature of Inventor)  MOON, Sung Ho  (Signature of Inventor)	Date: Mar. Loth, >010	-26t-
(Signature of Inventor)  AWAK, Jin Sam  (Signature of Inventor)  (Signature of Inventor)  MOON, Sung Ho  (Signature of Inventor)		
Date: Mar. 10th. 2010  (Signature of Inventor)  MOON, Sung Ho  (Signature of Inventor)	Date: Nar. 10, 2010	
(Signature of Inventor) MOON, Sung Ho  Date: Mar. 10th. 2010 (Signature of Inventor)	_	
MOON, Sung Ho  Date: Mar. 10th. 2010  (Signature of Inventor)	Date: Mar 10 2010	2 mont
(Signature of Inventor)		
	Date: Mar. 10th. 2010	maj
LEE, Hyun Woo		(Signature of Inventor)  LEE, Hyun Woo

Page 2 of 3

Date: 10th, Mar, rolo

(Signature of Inventor) HAN, Seung Hee

Date: 10th, May, 2010

(Signature of Inventor) NOH, Min Seok

McKenna Long & Aldridge LLP

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

Page 3 of 3

DC:50576580.1

Docket No.:

# **Assignment of Application**

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have invented cert	tain new a	and useful improvements	s in:					
METHOD FOR	RETRA	ANSMITTING PACKE FAILURES OR REL				iG TC	DECO	DING
for which an appli	cation for	r Letters Patent was exec	cuted o	on				
(Application No.		, I	iled					), and
WHEREAS,	LG EL	ECTRONICS INC.		<b></b>	***************************************	•		-t
(hcreinafter referre	ed to as "	ASSIGNEE") having a p	olace o	of b	usiness	at:		
20, Yeouido-dong	, Yeongd	eungpo-gu, Seoul 150-7	21 Re	pub	lic of K	orea		

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Date:	
	(Signature of Inventor) KWON, Yeong Hyeon
Date:	(Signuture of Inventor) PARK, Hong Won
Date:	(Signature of Inventor)
Date! 10 MAR 2016	CHO, Sung Gu
Date:	NAM, Ki Ho
	(Signature of Inventor) KIM, Dong Cheol
Date:	(Signature of Inventor) KWAK, Jin Sam
Date:	(Signature of Inventor) MOON, Sung Ho
Date:	(Signature of Inventor) LEE, Hyun Woo

Page 2 of 3

Date:		
	(Signature of Inventor)	
	HAN, Seung Hee	
Date:		
	(Signature of Inventor)	
	NOH, Min Seok	

McKenna Long & Aldridge LLP

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

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PATENT REEL: 024346 FRAME: 0669