505603111 08/02/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5649911

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SEUNGHEE HAN	10/24/2012
JAEHOON CHUNG	10/22/2012
HYUNWOO LEE	10/22/2012
MOONIL LEE	11/20/2012
HYUNSOO KO	10/22/2012

RECEIVING PARTY DATA

Name:	LG ELECTRONICS INC.
Street Address:	128, YEOUI-DAERO, YEONGDEUNGPO-GU
City:	SEOUL
State/Country:	KOREA, REPUBLIC OF
Postal Code:	07336

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16529975

CORRESPONDENCE DATA

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 202-496-7500

Email: mlapto@mckennalong.com

Correspondent Name: DENTONS US LLP
Address Line 1: 1900 K. STREET, N.W.
Address Line 4: WASHINGTON, D.C. 20006

ATTORNEY DOCKET NUMBER: 8737.00651.US23

NAME OF SUBMITTER: BRUCE B. VANCE

SIGNATURE: /Bruce B. Vance/

DATE SIGNED: 08/02/2019

Total Attachments: 8

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Docket No.:

Assignment of Application

WHEREAS,	HAN, Seunghee; CHUNG, Jaehoon; LEE, Hyunwoo; LEE, Moonil and KO, Hyunsoo						
						, respe	ctively,
have invented certa	ain new a	and useful improveme	nts in:		······································		
METHOD AND D	EVICE F	OR TRANSMITTING C COMMUNICATIO			RMATIO	N IN WIRI	ELESS
for which an applic	cation for	r Letters Patent was ex	xecuted	on			
(Application No.			, Filed), and
WHEREAS,	LG EL	ECTRONICS INC.		• • • •			-
(hereinafter referre	d to as ".	ASSIGNEE") having	a place	of busi	ness at:		
20 Yeouido-dong,	Yeongde	ungpo-gu, Seoul 150-	721 Rep	ublic o	f 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

Docket No.:

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: OC+ 24. 742	
17aic. 3 C.	(Signature of Inventor) HAN, Seunghee
Date:	(Signature of Inventor) CHUNG, Jachoon
Date:	(Signature of Inventor) LEE, Hyunwoo
Date:	(Signature of Inventor) LEE, Moonil
	(Signature of Inventor)

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

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Docket No.:

Assignment of Application

WHEREAS.	HAN, Seunghee; CHUNG, Jachoon; LEE, Hyunwoo; LEE, Moonil and KO, Hyunsoo			unwoo;	
				, :	respectively,
have invented cert	ain new a	and useful improvements in:			**************************************
METHOD AND I	DEVICE F	OR TRANSMITTING CONTRO COMMUNICATION SYST		FORMATION IN	WIRELESS
for which an appli	cation for	r Letters Patent was executed	on		
(Application No.		, Filed), and
WHEREAS,	LG EL	ECTRONICS INC.			
(hereinafter referre	ed to as "	ASSIGNEE") having a place	of bu	usiness at:	
20 Yeouido-dong,	Yeongde	ungpo-gu, Seoul 150-721 Rep	oubli	c of Korea	

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Date:	
	(Signature of Inventor) HAN, Seunghee
Date: 22- Oct., 2012	(Signature of Inventor) CHUNG, Jachoon
Date:	(Signature of Inventor) LEE, Hyunwoo
Date.	(Signature of Inventor) LEE, Moonil
Date: 22 Oct , 2012	(Signature of Inventor)

McKenna Long & Aldridge LLP

Attorneys At Law 1900 K Street, N.W. Washington, D.C. 20006 11FCCM677US02

KBK Ref.: OPP-TZ-2011-0309-US-00

Docket No.:

Assignment of Application

WHEREAS,	HAN, Seunghee; CHUNG, Jachoon; LEE, Hyunwoo; LEE, Moonil and KO, Hyunsoo					
	· · · · · · · · · · · · · · · · · · ·				, respe	ectively,
have invented cert	ain new a	and useful improveme	nts in:			
METHOD AND I	DEVICE F	FOR TRANSMITTING C COMMUNICATION	CONTRO IN SYSTI	L INFORMA EM	ATION IN WIR	ELESS
for which an appli	cation fo	r Letters Patent was e	xecuted	on		
(Application No.			, Filed), and
WHEREAS,	LG EL	ECTRONICS INC.				
		'ASSIGNEE") having				
20 Yeouido-dong,	Yeongde	eungpo-gu, Seoul 150-	721 Rep	oublic of Ko	orea	

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;

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KBK Ref.: OPP-TZ-2011-0309-US-00

Docket No.:

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Date:	
	(Signature of Inventor) HAN, Seunghee
Date;	(Signature of Inventor) CHUNG, Jachoon
Dete: Oct. 22, 2012	(Signature of Inventor) LEE, Hyunwoo
Date:	(Signature of Inventor) LEE, Moonil
Date:	(Signature of Inventor) KO, Hyunsoo

McKenna Long & Aldridge LLP

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

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DC:50576580.1

REEL: 049940 FRAME: 0485

Docket No.:

Assignment of Application

WHEREAS, I (HAN, Seunghee; CHUNG, Jaehoon; LEE, Hyunwoo; LEE, Moonil and KO, Hyunsoo		
			, respectively,
have invented certain	new a	and useful improvements in:	
METHOD AND DEV	VICE F	OR TRANSMITTING CONTROL INF COMMUNICATION SYSTEM	ORMATION IN WIRELESS
for which an applicat	ion for	r Letters Patent was executed on	
(Application No.		, Filed), and
WHEREAS, L	G EL	ECTRONICS INC.	
		ASSIGNEE") having a place of bus	
20 Yeouido-dong, Ye	ongde	ungpo-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;

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Date:	
	(Signature of Inventor) HAN, Seunghee
Date:	(Signature of Inventor)
	CHUNG, Jachoon
Date:	(Signature of Inventor) LEE, Hyunwoo
Date: 1 (- 20 - (~	(Signature of Inventor) LEE, Moonil
Date:	(Signature of Inventor) KO, Hyunsoo

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

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