PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JINWON LEE	02/06/2015
SEJIN OH	02/05/2015
KYOUNGSOO MOON	02/05/2015
SEUNGJOO AN	02/06/2015
WOOSUK KO	02/16/2015
SUNGRYONG HONG	02/17/2015

RECEIVING PARTY DATA

Name:	LG ELECTRONICS INC.
Street Address:	128, YEOUI-DAERO, YEONGDEUNGPO-GU
City:	SEOUL
State/Country:	KOREA, REPUBLIC OF
Postal Code:	150-721

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17143005

CORRESPONDENCE DATA

Fax Number: (202)496-7756

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: 2024967500

Email: mlaip@dentons.com **DENTONS US LLP Correspondent Name:** Address Line 1: 1900 K STREET, N.W.

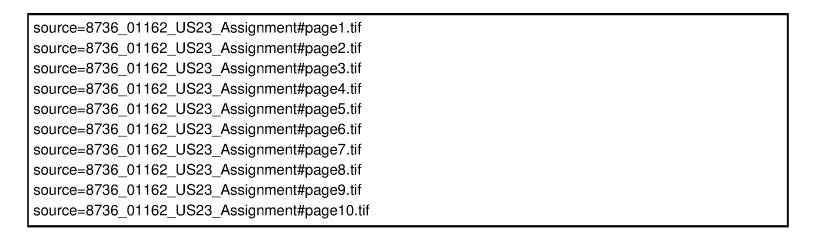
Address Line 4: WASHINGTON, D.C. 20006

ATTORNEY DOCKET NUMBER:	8736.01162.US23
NAME OF SUBMITTER:	YONG S. CHOI
SIGNATURE:	/Yong S. Choi/
DATE SIGNED:	01/06/2021

Total Attachments: 10

PATENT REEL: 054913 FRAME: 0698

506436542



PATENT REEL: 054913 FRAME: 0699

Assignment of Application

				, respectively,
ave invented certain new	and useful impro	vements in:		***************************************
BROADCAST RECEI	VING DEVICE	AND OPER	ATING ME	THOD THEREOF

(Application No.	14/588,539	, Filed	January 2, 2015), and
WHEREAS,	LG ELECTRONIC	S INC.		
5	ed to as "ASSIGNEE", Yeongdeungpo-gu ,			

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.

Date: 2/6/2015	
	(Signature of Inventor) LEE, Jinwon
Paie]	(Signature of Investor)
	OH, Sejin
Date:	(Signature of Inventor)
	MOON, Kyoungsoo
Date: 3/6/2015	is jentific of incention AN, Seumejoo
Date:	(Signature of Inventor) KO, Woosuk
Date:	
	(Signature of Seventar)

Assignment of Application

WHEREAS, I (WE)	LEE, Jinwon; OH, Sejin; MOON, Kyoungsoo; AN, Seungjoo; KO, Woosuk; HONG, Sungryong		
	······································	, respectively,	
have invented certain new a	and useful improvements in:		
BROADCAST RECEIV	ING DEVICE AND OPERATIN	G METHOD THEREOF	
for which an application for	Letters Patent was executed on	2	

Application No.	14/588,539	, Filed	January 2, 2015), and
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Date:		
	(Signature of Inventor) LEE, Jinwon	100
Date: Feb. 5, 2015	Leny	
	(Signature of Inventor) OH, Sejin	
Date'	(Signature of Inventor) MOON, Kyoungsoo	
Date:	(Signature of inventor)	****
Date:	AN, Seungjoo (Signature of Inventor)	v.,
	KO, Woosuk	
Date:	(Signature of Inventor) HONG Supervone	, minu

Assignment of Application

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for which an application for	Letters Patent was executed on	2	

(Application No.	14/588,539	, Filed	January 2, 2015), and
WHEREAS,	LG ELECTRONIC:	S INC.		·····
hereinafter referre	d to as "ASSIGNEE")	having a place of	of business at:	***************************************
8/9/0 N/	Yeongdeungpo-gu, S	leant 150.721 l	Qenublic of Karea	

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Date:	(Signature of inventor) LEE, Jinwon
Date:	(Signature of Inventor) OH, Sejin
Date: 2015. 2.5	ym)
	(Signature of Inventor) MOON, Kyoungsoo
Duts/	(Signature of Inventor) AN, Seungjoo
Date:	(Signature of Inventor) KO, Woosuk
Date:	(Signature of Inventor) HONG, Sungryong

McKenna Long & Aldridge LLP Attorneys At Law

> 1900 K Street, N.W. Washington, D.C. 20006

> > Page 2 of 2

Assignment of Application

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	······································	, respectively,	
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for which an application for	Letters Patent was executed o	п	

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Date:	w
	(Signature of Inventor) LEE, Jinwon
Date:	
*	(Signature of Inventor) OH, Sejin
Date;	
	(Signature of Invertor) MOON, Kyoungsoo
Date:	(Signature of Inventor)
	AN, Seungjoo
Date: Feb 16, 2015	(Signature of Inventor)
	KO, Woosuk
Date:	(Signature of Inventor)
	HONG, Sungryong

Assignment of Application

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Date:	(Signature of Inventor) MOON, Kyoungsoo
Date:	(Signature of Inventor) AN, Seungjoo
Date?	(Signature of Invector) KO, Woosuk
Date: Feb. 17. 20/5	(Signature of Inventor) HONG: Sunorvano