### 502748864 04/01/2014

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2795460

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
DONGCHEOL KIM	11/04/2013
HANGYU CHO	11/04/2013
SEUNGHEE HAN	10/15/2013
MINSEOK NOH	10/16/2013

### **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:	14349026

#### **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 via

US Mail.

**Phone:** 202.496.7500

**Email:** eraufi@mckennalong.com

Correspondent Name: MCKENNA LONG & ALDRIDGE LLP

Address Line 1: 1900 K STREET, NW

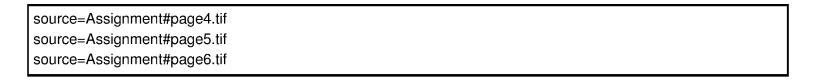
Address Line 4: WASHINGTON, DISTRICT OF COLUMBIA 20006

ATTORNEY DOCKET NUMBER:	8737.00893.US00
NAME OF SUBMITTER:	MARK R. KRESLOFF
SIGNATURE: / Mark R. Kresloff / (#42,766)	
DATE SIGNED:	04/01/2014

### **Total Attachments: 6**

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PATENT 502748864 REEL: 032575 FRAME: 0437



PATENT REEL: 032575 FRAME: 0438

## **Assignment of Application**

WHEREAS, I (WE) KIM, Dongcheol; CHO, Hangyu; HAN, Seunghee and NOH, Minseok, respectively, have invented certain new and useful improvements in:

# METHOD FOR DETERMINING THE TRANSMISSION OF A SOUNDING REFERENCE SIGNAL IN A WIRELESS COMMUNICATION SYSTEM, AND TERMINAL THEREFOR

COMMUNICATION SYSTEM, AND TERMINAL THEREFOR		
for which an application for a Letters Patent was executed on		
X for which an application for a Letters Patent was filed on as Application No.		
WHEREAS, LG Electronics Inc.		
(hereinafter referred to as "ASSIGNEE") having a place of business at:  20 Yeouido-dong, Yeongdeungpo-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),		

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

Page 1 of 2

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.

oate: Nov. 4, 2013

(Signature of Inventor)

KIM, Dongcheol

Date: Nov. 4. 2013 (Signature of Inventor) CHO, Hangyu

Date:\_\_\_\_\_\_\_(Signature of Inventor)
HAN, Seunghee

Date:\_\_\_\_\_\_\_ (Signature of Inventor)
NOH, Minseok

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

Page 2 of 2

KBK Ref.: OPP-TZ-2012-0468-US-00

Docket No.:

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Date:	(Signature of Inventor) KIM, Dongcheol
Date:	(Signature of Inventor) CHO, Hangyu
Date: 064. (5. 2013	(Signature of Inventor) HAN, Seunghee
Date:	(Signature of Inventor) NOH. Minseok

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

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Date: \_\_\_\_\_\_ (Signature of Inventor)

KIM, Dongcheol

Date:\_\_\_\_\_\_\_(Signature of Inventor)
CHO, Hangyu

Date:\_\_\_\_\_\_\_(Signature of Inventor)
HAN, Seunghee

Date: 657-16-203 (Signature of Inventor)
NOH, Minseok

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