502019089 08/09/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Min Gyu KIM	07/16/2012
Dong Youn SEO	06/18/2012
Han Byul SEO	06/18/2012
Joon Kui AHN	06/19/2012
Suck Chel YANG	06/18/2012

RECEIVING PARTY DATA

Name:	LG ELECTRONICS INC.	
Street Address:	20 Yeouido-dong, Yeongdeungpo-gu	
City:	Seoul	
State/Country:	KOREA, REPUBLIC OF	
Postal Code:	150-721	

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	13577830	

CORRESPONDENCE DATA

7032058050 Fax Number: Phone: 703-205-8000

Email: mailroom@bskb.com, tchau@bskb.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

via US Mail.

Correspondent Name: BIRCH, STEWART, KOLASCH & BIRCH, LLP

Address Line 1: P.O. Box 747

Address Line 4: Falls Church, VIRGINIA 22040-0747

NAME OF SUBMITTER: ESTHER H. CHONG	ATTORNEY DOCKET NUMBER:	0465-3469PUS1
	NAME OF SUBMITTER:	ESTHER H. CHONG

REEL: 028754 FRAME: 0292

PATENT

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Total Attachments: 4

source=2012-8-8 Assignment 0465-3469PUS1#page1.tif source=2012-8-8 Assignment 0465-3469PUS1#page2.tif source=2012-8-8 Assignment 0465-3469PUS1#page3.tif source=2012-8-8 Assignment 0465-3469PUS1#page4.tif

> PATENT REEL: 028754 FRAME: 0293

BIRCH, STEWART, KOLASCH & BIRCH, LLP

UNITED STATES PATENT RIGHTS, OR UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

ASSIGNMENT

Application No.	13/577,830	Filed _	August 8, 2012
Insert Name(s) of Inventor(s)	***(Given Name F	'AMILY NAME (ALL CA	APS))***
	WHEREAS, KIM, Min Gyu; SEO, Chel (hereinafter designated as t improvements in:	Dong Youn; SEO, Ha he undersigned) has	n Byul; AHN, Joon Kui and YANG, Such (have) invented certain new and usefu
Insert Title of Invention	METHOD FOR TRANSMITTIN COMMUNICATION SYSTEM, for which an application for Letters undersigned (except in the case of a p	AND APPARATUS Patent of the United S	FOR SAME states of America has been executed by the
Insert Date of Signing of Application	on June 18, 201	2; June 19, 2012; and	July 16, 2012 ; and
Insert Name	WHEREAS, LG ELECTRONICS I	NC.	
of Assignee Insert Address of Assignee	of 20 Yeouido-dong, Yeongdeungpo	o-gu, Seoul 150-721 R	epublic of Korea
CHECK BOX IF APPROPRIATE	its heirs, successors, legal represent desirous of acquiring the entire right, Patent(s) that may be granted therefor in any foreign countries.	title and interest in and	nereinafter designated as the Assignee) is if to said invention and in and to any Letters f America and
	paid, the receipt of which is hereby undersigned has (have) sold, assign transfer unto said Assignee the full: America, its territories, dependencies any and all Letters Patent(s) which	r acknowledged, and of ed and transferred, and and exclusive right to s and possessions and may be granted ther	collars (\$10.00) to the undersigned in hand other good and valuable consideration, the ad by these presents does sell, assign and the said invention in the United States of the entire right, title and interest in and to efor in the United States of America, its bove is designated, in any and all foreign
	and to any and all divisions, reissue term or terms for which the same may		ersions and extensions thereof for the full

Attorney Docket No. 0465-3469PUS1

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree (s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch & Birch, LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date .	2012, 9.16	Name of Inventor	(signature) KIM, Min Gyu
Date ₋		Name of Inventor	(signature) SEO, Dong Youn
Date _		Name of Inventor	(signature) SEO, Han Byul
Date _		Name of Inventor	(signature) AHN, Joon Kui
Date _		Name of Inventor	(signature) YANG, Suck Chel

BIRCH, STEWART, KOLASCH & BIRCH, LLP

UNITED STATES PATENT RIGHTS, OR UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

ASSIGNMENT

Application No.	13/577,830	Filed _	August 8, 2012	
Insert Name(s) of Inventor(s)	***(Given Name FAMILY NAME (ALL CAPS))***			
(c)			n Byul; AHN, Joon Kui and YANG, Suck (have) invented certain new and useful	
Insert Title of Invention	METHOD FOR TRANSMITT COMMUNICATION SYSTEM for which an application for Letter undersigned (except in the case of a	I, AND APPARATUS I		
Insert Date of Signing of	on June 18,	2012; June 19, 2012; and	July 16, 2012 ; and	
Application Insert Name WHEREAS, LG ELECTRONICS INC.				
of Assignee Insert Address of Assignee	of 20 Yeouido-dong, Yeongdeungpo-gu, Seoul 150-721 Republic of Korea			
CHECK BOX IF APPROPRIATE		nt, title and interest in and	ereinafter designated as the Assignee) is to said invention and in and to any Letters America and	
	paid, the receipt of which is here undersigned has (have) sold, assi transfer unto said Assignee the fu America, its territories, dependenci- and all Letters Patent(s) which may	by acknowledged, and ogned and transferred, and and exclusive right to es and possessions and the year granted therefor in the	ollars (\$10.00) to the undersigned in hand ther good and valuable consideration, the d by these presents does sell, assign and the said invention in the United States of e entire right, title and interest in and to any ne United States of America, its territories, ated, in any and all foreign countries;	
	and to any and all divisions, reissue or terms for which the same may be	•	ons and extensions thereof for the full term	

Attorney Docket No.0465-3469PUS1

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

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In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date		Name of Inventor	
Date _	2012.6.18	Name of Inventor	(signature) KIM, Min Gyu (signature) SEO, Dong Youn
Date _	2012.6.18	Name of Inventor	(signature) SEO, Han Byul
Date _	2012.6.19	Name of Inventor	(signature) AHN, Joon Kui
Date _	2012.6.18	Name of Inventor	(signature) YANG, Suck Chel

Birch, Stewart, Kolasch & Birch, LLP