# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
YOUNGDAE LEE	01/26/2015
SUNGJUN PARK	01/26/2015
SEUNGJUNE YI	01/26/2015
SUNGHOON JUNG	01/26/2015

### **RECEIVING PARTY DATA**

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#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	14413662

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DATE SIGNED:	02/03/2015

**Total Attachments: 2** 

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**PATENT** REEL: 034896 FRAME: 0802 503167168

# BIRCH, STEWART, KOLASCH & BIRCH, LLP

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## ASSIGNMENT

Application No.	14/413,662	Filed	January 8, 2015
Insert Name(s) of Inventor(s)	***(Given Name FAMILY NAMI	E (ALL C	APS))***
	WHEREAS, LEE, Youngdae; PARK, Sung (hereinafter designated as the undersigned) improvements in:		
Insert Title of Invention	METHOD AND APPARATUS FOR TRA RELATED INFORMATION IN WIREI		
	for which an application for Letters Patent of the undersigned (except in the case of a provisional application)		
Insert Date of Signing of	on January 26, 2015		; and
Application Insert Name	WHEREAS, LG ELECTRONICS INC.		
of Assignee Insert Address of Assignee	of 20 Yeouido-dong Yeongdeungpo-gu Seoul 150-	721 Rep	ublic of Korea
CHECK BOX IF APPROPRIATE  N p u tt A a	its heirs, successors, legal representatives and a desirous of acquiring the entire right, title and interpatent(s) that may be granted therefor in the United x in any foreign countries.	est in an	d to said invention and in and to any Letters
	NOW, THEREFORE, in consideration of the sum paid, the receipt of which is hereby acknowledg undersigned has (have) sold, assigned and transferansfer unto said Assignee the full and exclusive America, its territories, dependencies and possess any and all Letters Patent(s) which may be graterritories, dependencies and possessions, and if a countries;	ed, and ferred, a right to ions and nted the	other good and valuable consideration, the nd by these presents does sell, assign and to the said invention in the United States of the entire right, title and interest in and to refor in the United States of America, its
	and to any and all divisions, reissues, continuation term or terms for which the same may be granted.	ns, con	versions and extensions thereof for the full

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.

continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in

The undersigned agree(s) to execute all papers necessary in connection with this application and any

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.

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connection with such applications as the Assignee may deem necessary or expedient.

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 26 Jan 2015		Name of Inventor	Young LAE Lee Cotto
Date 26 Jan 2015		Name of Inventor	(signature) LEE, Youngdae  Sung Jun Park - R
Date 26 Jan 2015		Name of Inventor	(signature) PARK, Sungjun  Seung Tune Y:
Date 26 Jan 2015	_	Name of Inventor	(signature) YI, Seungjune  Suny Hoon Jung Zur
		(signature) JUNG, Sunghoon	

RECORDED: 02/05/2015