## 502190473 01/10/2013

### PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
Kiwon HAN	10/16/2012
Hyunsun YOO	10/16/2012
Youngtae KIM	10/16/2012
Mizi YI	10/16/2012
Joonbum LEE	10/16/2012
Kabsung CHONG	10/16/2012

### RECEIVING PARTY DATA

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City:	Seoul
State/Country:	KOREA, REPUBLIC OF
Postal Code:	150-721

# PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	13718712	

### CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	0465-3516PUS1
NAME OF SUBMITTER:	Mary M. Mejia

# Total Attachments: 3

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> PATENT REEL: 029605 FRAME: 0053

OP \$40,00 13718712

# BIRCH, STEWART, KOLASCH & BIRCH, LLP

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# DECLARATION AND ASSIGNMENT FOR PATENT AND DESIGN APPLICATIONS

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

		As a below named inventor (hereinafter designated as the undersigned), I hereby declare that:
pplication not Hached	ಳ	This declaration is directed to the application attached hereto. If the application is not attached hereto, the application is as identified by the attorney docket number as set forth above and/or the following:
nter Applin. No.	<b>.:</b> \$	United States Application Number or PCT International Appln. No
nter Filing Date	⇔	filed on December 18, 2012
		The above-identified application was made or authorized to be made by me.
		I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.
		I have reviewed and understand the contents of the above-identified application, including the claims.
		I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations § 1.56.
		WHEREAS, the undersigned has invented certain new and useful improvements described in the application identified.
nsert Name ÉAssignee	⊅	WHEREAS, LG ELECTRONICS INC.
nsert Address I Assignee	⇔	of 20 Yeouido-dong, Yeongdeungpo-gu, Seoul 150-721, Republic of Korea,
Masignee		its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and
heck Box if ppropriate		in any foreign countries.
		NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned has sold, assigned and transferred, and by these presents does (do) sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries; and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or terms for which the same may be granted.

BSKB-DECASSIGN(09-12)

The undersigned agrees 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 agrees 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 Letters 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 agrees 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 agrees to perform all affirmative acts which may be necessary to obtain 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 authorizes and requests the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patent(s) 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 the full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreement in conflict herewith.

identification which may be necessary or desirable in order to	o comply with the rules	of the U.S. Patent and	Trademark
Office.			
Office.  The undersigned hereby covenants that no assignment sale entered into which would conflict with this assignment.			
The undersigned hereby covenants that no-assignment, sale)	agreement or encumbr	ance has been or will	be made or
entered into which would conflict with this assignment	パシッセコー サクルコ		

The undersigned hereby grants the law firm of Birch, Stewart, Kolasch & Birch, LLP the power to insert any further

The undersigned hereby acknowledges that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.

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

LEGAL N	AME OF INVENTOR		
Inventor's Name	Kiwon HAN	Date: _	2012, 10,16
Inventor's Signature > Signature:	A M		***
,€			
An application data sheet (PT Use a separate form for each	O/SB/14 or equivalent), including naming the entire inventiv inventor; or check the box below and complete the attached pa	e entity, ge(s) to I	must accompany this form. ist additional inventors,
Additional inventors are	being named on the supplemental sheet(s) attached here	to.	

Page 2

BSKB-DECASSIGN-SINGLE (09-12)

# SUPPLEMENTAL SHEET FOR **DECLARATION AND ASSIGNMENT**

# ADDITIONAL INVENTOR(S) Supplemental Sheet Page 1 of 1

	LEGAL N	AME OF JOINT INVENTOR, IF ANY	
Inventor's Name	⇒ Inventor;	Hyunsun YOO	Date: 2012.10.16.
Inventor's Signature	⇔ Signature:	引进 尺.	
	-		
	LEGAL N	AME OF JOINT INVENTOR, IF ANY	· · · /
Inventor's Name	⇒ Inventor:	Youngtae KIM	Date: 20/2.10,16
Inventor's Signature	⇔ Signature:	YT.K	
	LEGAL N	AME OF JOINT INVENTOR, IF ANY	
Inventor's Name	⇒Inventor:	Mizi YI	Date: 2012.10.6
Inventor's Signature	⇔Signature:	Amul.	
	LEGAL N	AME OF JOINT INVENTOR, IF ANY	
Inventor's Name	⇒Inventor;	Joonburn LEE	Date: [7 2012. 10.16
Inventor's Signature	⇒Signature.	JUDIEI (BORTO	
	LEGAL N	AME OF JOINT INVENTOR, IF ANY	
Inventor's Name	⇔Inventor:	Kabsung CHONG	Date: 2012,10,16
Inventor's Signature	⇒Signature:		
	LEGAL N	AME OF JOINT INVENTOR, IF ANY	
Inventor's Name	⇔Inventor:	,	Date:
Inventor's Signature	⇔Signature:		
,e	LEGAL N	AME OF JOINT INVENTOR, IF ANY	
Inventor's Name	<sup>⇔</sup> Inventor:		Date:
Inventor's Signature			
Stream a Dignardie	⇒Signature:		
	LEGAL N	AME OF JOINT INVENTOR, IF ANY	
Inventor's Name	⇔lnventor:	<u> </u>	Date:
Inventor's Signature	⇔Signature:		

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