503014060 10/10/2014

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3060660

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

#### **CONVEYING PARTY DATA**

Name	Execution Date
SOON HYUN PARK	09/24/2014
SEI HYUN CHO	09/24/2014
SANG HYUCK LEE	09/24/2014

## **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:	29504826		

## **CORRESPONDENCE DATA**

**Fax Number:** (703)205-8050

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:** (703)205-8000

Email: mailroom@bskb.com, Tuyet.A.Nguyen@bskb.com
Correspondent Name: BIRCH, STEWART, KOLASCH & BIRCH, LLP

Address Line 1: P.O. BOX 747

Address Line 4: FALLS CHURCH, VIRGINIA 22040-0747

ATTORNEY DOCKET NUMBER:	0630-6116PUS1
NAME OF SUBMITTER:	TUYET ANH NGUYEN
SIGNATURE:	/TUYET ANH NGUYEN/
DATE SIGNED:	10/10/2014

## **Total Attachments: 3**

source=2014-10-08\_DeclarationAndAssignment-0630-6116PUS1#page1.tif source=2014-10-08\_DeclarationAndAssignment-0630-6116PUS1#page2.tif source=2014-10-08\_DeclarationAndAssignment-0630-6116PUS1#page3.tif

PATENT 503014060 REEL: 033928 FRAME: 0207

## BIRCH, STEWART, KOLASCH & BIRCH, LLP

P.O. Box 747 • Falls Church, Virginia 22040-0747

Telephone: (703) 205-8000 • Facsimile: (703) 205-8050 • Email: mailroom@bskb.com

## DECLARATION AND ASSIGNMENT FOR PATENT AND DESIGN APPLICATIONS

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

me or mventor	. ~	Mobile Phone			
		As a below named inventor (hereinafter designated as the undersigned), I hereby declare that:			
Application not Attached	ಘ	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:			
inter Appln. No	. 🗢	United States Application Number or PCT International Appln. No.			
Inter Filing Date	: 🖙	filed on			
		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 f Assignee	ಳ	WHEREAS, LG ELECTRONICS INC.			
nsert Address I Assignee	₽	of 128, Yeoui-daero, Yeongdeungpo-gu, Seoul, 150-721, Korea			
, rissignee		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	⇔	in any foreign countries.			
.rr		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 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.			

PATENT REEL: 033928 FRAME: 0208 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 Assignce, as Assignce 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.

The undersigned hereby grants the law firm of Birch, Stewart, Kolasch & Birch, LLP the power to insert any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office.

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

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 NAME OF INVENTOR

iers project o Dimple	κģ	Inventor:	Soon Hyun PARK	Date:	September 24, 2014
isvestica's Signature	***	Signature		an sayan da (api hiji hiji hiji hiji hiji hiji hiji hi	
An application	n đ Lifor	ata sheet (PTC cach invento	O/SB/14 or equivalent), including namin r; or check the box below and complete th	g the entire inventive ent	ity, must accompany this form. Use a
			named on thesupplemental sheet(s)		interioral invertors.
			Page 2		

PATENT REEL: 033928 FRAME: 0209

# SUPPLEMENTAL SHEET FOR DECLARATION AND ASSIGNMENT

**RECORDED: 10/10/2014** 

# ADDITIONAL INVENTOR(S) Supplemental Sheet Page \_\_\_\_\_ of \_\_\_\_

		LEGAL N	AME OF JOINT INVENTOR, IF ANY			en e
Incumpation to design	5%	Inventor.	Sei Hyun CHO	Date: Septemb	ет 24, 2014	minoraerrina zop (op in samus policy coll filigs p. b. a.
imegator's Signature	εħ	Signature:	AW	ga namana na taon 1 (1889/1884 alian) <del>- ana ana ana ana an</del> any	entrifelde (Sillerssonlikenskeren en eine merken seinen spyrjege	CONTRACTOR OF THE STATE OF THE S
		· ·	and the second s			
		LEGAL N	AME OF JOINT INVENTOR, IF ANY			
inventer's Kame	熔	Inventor	Song Hyuck LEF	Date: Septemb	er 24, 2014	and a second section of the section
kravnier's Symber	横角	Signature		and the second		inconstruction in making the second construction of
		LEGAL N	AME OF JOINT INVENTOR, IF ANY			
lower toe's Name	c\$		and the state of t	Date:	ententententententententententententente	negative graphic engines of extract spin 1 to the manufacture of the state of the s
Ynventeë's Signatute					and the second s	til der verdig fil let als som men med værenjege særege verde sig skripening sjærege særege s
14 ( 1 ( 1 ) 1 ) 1 ( 1			경영 전환 경영 전 기계 전 경영 기계	and the second s		•
		LEGALN	AME OF JOINT INVENTOR, IF ANY			House for House Harde
Internar's Name	6 <b>5</b>	Inventor:		Date:	Acceptage Control of the Control of	<ul> <li>A book of the first fighter and the first figure and the first fight fight for the first fight fight first first fight fighter and the first fight fight first fight fight fight first fight fi</li></ul>
hasantur's Signature	<b>68</b>	Signature		Charles Submerved Construction ( Charles Subject Subject Subject surprises sources some district soft support Subject	ek taan ta	egy na namenamen voim voi mai legge de legge legge legge legge de legge de legge de legge de legge de legge de
		LEGAL N	AME OF JOINT INVENTOR, IF ANY			
Inventor's bisant	***	Inventor.		Date:		
					Morgand statement in the control of	
iorestor's highwaters	•	Signature		Commission of the Commission o	eteropypyietelegopietelegopytelegopytelegopytelegopytelegopytelegopytelegopytelegopytelegopytelegopytelegopytel	500 T B B B B B B B B B B B B B B B B B B
		LEGAL N	AME OF JOINT INVENTOR, IF ANY	•		
ervenient's frame	۰	inventor.		Date:	arti sent ja selle selle siin. Se esseerin kui en niinte ke siit tu se se	the agentical spinishing the energia constraint of the constraint are not oppositely to the constraint of the constraint
постика в будежное	e <b>ņ</b> .	Signature:			ik bersenannen sentakira (Konstantorus etakokonia	uncum sejannyak jaharija ini cirroti sikosilika tradismonistik jolgan 200.
		LEGALN	AME OF JOINT INVENTOR, IF ANY			
nominanta Name	orga e	Inventor		Date:	The state of the s	uttassonerendelend hedertyk fyrig sen jamet fenn i 1900 fill de den das
nventor o Sagnata (*	٠	Signature	the transfer of the second section of the second section is the second second section of the section of the second section of the section of the second section of the		p. japanist nyjedlandstepst (et respective see 1,47) (f) (f) (f)	ek kennya ang Trajana (a mir ang kananana) mang man tahun tahun tahun kengala daga tahun ta
		I ECAL N	AME OF JOINT INVENTOR IF ANY			
				Date:	AWE THE CONTROL OF TH	n de la companya de l
an terretain, in Julius sea.	wit <sub>e</sub>	Inventor				
master's Egendant	40	Signature:	and the second			<mark>a pinakan kaman</mark> peranau at prompa sebuah ma 1917 - Pangaran 1917 - Pangaran
				State of the state	AUTHORN CONTROL OF THE CONTROL OF TH	Mariana Mariana Mariana Mariana
				CALL TO SECURITION OF THE SECU		art in the first of the second

PATENT REEL: 033928 FRAME: 0210