504933856 05/29/2018

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4980602

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
HOCHUN YI	03/26/2018
KIHWAN SON	03/26/2018
KYUNGJU KIM	03/26/2018
YONGBUM KIM	03/26/2018
ILSUP YOON	03/26/2018
DONG JIN SEO	03/26/2018

#### **RECEIVING PARTY DATA**

Name:	LG DISPLAY CO., LTD.
Street Address:	128, YEOUI-DAERO, YEONGDEUNGPO-GU
City:	SEOUL
State/Country:	KOREA, REPUBLIC OF
Postal Code:	07336

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

Property Type	Number		
Application Number:	29641912		

#### **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

Spencer.Garth@bskb.com, Mailroom@BSKB.com Email: BIRCH, STEWART, KOLASCH & BIRCH, LLP **Correspondent Name:** 

8110 GATEHOUSE ROAD Address Line 1:

Address Line 2: SUITE 100E

Address Line 4: FALLS CHURCH, VIRGINIA 22042

ATTORNEY DOCKET NUMBER:	6774-0147PUS1
NAME OF SUBMITTER:	SPENCER GARTH
SIGNATURE:	/spencer garth/
DATE SIGNED:	05/29/2018
	This document serves as an Oath/Declaration (37 CFR 1.63).

PAIENI

REEL: 045917 FRAME: 0366 504933856

## **Total Attachments: 3**

source=2018-05-29\_Dec&Assgn\_6774-0147PUS1#page1.tif source=2018-05-29\_Dec&Assgn\_6774-0147PUS1#page2.tif

source=2018-05-29\_Dec&Assgn\_6774-0147PUS1#page3.tif

PATENT REEL: 045917 FRAME: 0367

### BIRCH, STEWART, KOLASCH & BIRCH, LLP

8110 Gatehouse Road, Suite 100 East, Falls Church, Virginia 22042-1248 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

Title of Invention SMART PHONE

		Order State A A 1003 NES
		As a below named inventor (hereinafter designated as the undersigned), I hereby declare that:
		This declaration is directed to the application attached hereto.
Application not Attached	c#	If the application is not attached hereto, the application is as identified by the attorney docket number a set forth above and/or the following:
Enter Appin, No.	e,	United States Application Number or PCT International Appln. No.
Einter Filing Date	(0)	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 of Assignee	æ	WHEREAS, LG DISPLAY CO., LTD.
nseri Address of Assignee	Ŕ	of 128, Yeoui-daero, Yeongdeungpo-gu, Seoul 07336, Republic of Korea,
		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
Theck Box if Appropriate	¢ζ	in any foreign countries.
24°*		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.

BIFCH, STEWART, KOLASCH & BIRCH, LLP

Page 1

ESKB-DEC-ASSIGN (68-17)

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 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 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.

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							
bweofor's Name	€.	Inventor	HoChim YI	Date:	Hor	361h,	20/8	
liwentor's Signature	e Si (	Signature:	HoChun Yi	*************	•••••	······································		
			D/58/14 or equivalent), including naming the entire inventive twentor; or check the box below and complete the attached pa					
	Linv	enturs are f	eing named on the <u>1</u> supplemental sheet(s) attached herete	9.				

BIRCH, STEWART, KOLASCH & BIRCH, LLP

Fage 2

BSKE-DEC-ASSIGN (08-17)

# SUPPLEMENTAL SHEET FOR DECLARATION AND ASSIGNMENT

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

### LEGAL NAME OF JOINT INVENTOR, IF ANY

Inventor's Name		KiHwan SON	Date:	3	26.	2019	
Inventor's Signature	⇒ Signature:	£ 7/ E					
		AME OF JOINT INVENTOR, IF ANY					
Inventor's Name	⇒ Inventor:	Kyungju KIM	Date:	3.	26.	20/8	<del></del>
Inventor's Signature	⇒ Signature:	· 경우	···		********	************	
	LEGAL N	AME OF JOINT INVENTOR, IF ANY					
Inventor's Name	⇔Inventor:	YongBum KIM	Date:	<u> </u>	26.2	-019	
Inventor's Signature	*Signature:	- AME		****	**		
	LEGAL N	AME OF JOINT INVENTOR, IF ANY					
Inventor's Name	*inventor:	Hsup YOON	Date:	<u> 3</u> .	26	2018	
inventor's Signature	⇔Signature:	<u> </u>					·····
		AME OF JOINT INVENTOR, IF ANY					
Inventor's Name	⇒Inventor.	Dong Jin SEO	Date:	3. 4	( )	18	
Inventor's Signature		4 34					
	LEGAL NA	AME OF JOINT INVENTOR, IF ANY					
Inventor's Name	<sup>⇔</sup> Inventor:		Dates				
laventor's Signature	*Signature:						
	LEGAL NA	AME OF JOINT INVENTOR, IF ANY					
nvenior's Name	⇔laventor:		Date:				
nventor's Signature	⇔Signature:						
		ame of joint inventor, if any					
nventor's Flame	⇔inventor:		Date: _				
nventor's Signature	⇒Signature:						

Page 3

PATENT REEL: 045917 FRAME: 0370

BSKB-DEC-ASSIGN (08-17)

BIRCH, STEWARI, KOLASCH & BIRCH, LLF