# 505501109 05/30/2019

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5547913

		NEW ASSIGNMENT			
NATURE OF CONVEYANCE:		ASSIGNMENT			
CONVEYING PARTY DA	TA				
		Name	Execution Date		
DOYOUNG PARK			08/08/2018		
SOJIN KIM	08/08/2018				
YOUNGHO KIM	08/08/2018				
YOUNGJOO CHO			08/08/2018		
RECEIVING PARTY DAT	 [ <b>A</b>				
Name:	LG ELECTRONICS INC.				
Street Address:	128, YEOUI-DAERO, YEONGDEUNGPO-GU				
City:	SEOUL				
State/Country:	KOREA, REPUBLIC OF				
Postal Code:	07336				
PROPERTY NUMBERS	Total: 1				
Property Type		Number			
	1	35506512			
Application Number:	`	55500512			
Application Number:					
CORRESPONDENCE DA	 ATA (	703)205-8050			
CORRESPONDENCE DA Fax Number: <i>Correspondence will be</i>	ATA ( sent to	703)205-8050 <b>the e-mail address first; if that is unsucc</b>			
CORRESPONDENCE DA Fax Number: <i>Correspondence will be</i>	ATA ( sent to rovided;	703)205-8050			
CORRESPONDENCE DA Fax Number: Correspondence will be using a fax number, if p	ATA ( sent to rovided; 7	703)205-8050 the e-mail address first; if that is unsucc ; if that is unsuccessful, it will be sent via			
CORRESPONDENCE DA Fax Number: <i>Correspondence will be using a fax number, if p</i> Phone: Email: Correspondent Name:	ATA e sent to rovided; t t	703)205-8050 <i>the e-mail address first; if that is unsucc</i> ; <i>if that is unsuccessful, it will be sent via</i> 703-205-8000 u.t.tan@bskb.com, mailroom@bskb.com BIRCH, STEWART, KOLASCH & BIRCH, LI	u US Mail.		
CORRESPONDENCE DA Fax Number: <i>Correspondence will be using a fax number, if p</i> Phone: Email: Correspondent Name: Address Line 1:	ATA ( sent to provided; 7 t E 8	703)205-8050 <i>the e-mail address first; if that is unsucc</i> <i>; if that is unsuccessful, it will be sent via</i> 703-205-8000 u.t.tan@bskb.com, mailroom@bskb.com BIRCH, STEWART, KOLASCH & BIRCH, LI B110 GATEHOUSE ROAD, SUITE 100E	u US Mail.		
CORRESPONDENCE DA Fax Number: <i>Correspondence will be using a fax number, if p</i> Phone: Email: Correspondent Name:	ATA ( sent to provided; 7 t E 8	703)205-8050 <i>the e-mail address first; if that is unsucc</i> ; <i>if that is unsuccessful, it will be sent via</i> 703-205-8000 u.t.tan@bskb.com, mailroom@bskb.com BIRCH, STEWART, KOLASCH & BIRCH, LI	u US Mail.		
CORRESPONDENCE DA Fax Number: <i>Correspondence will be using a fax number, if p</i> Phone: Email: Correspondent Name: Address Line 1:	ATA e sent to provided; t E E E F	703)205-8050 <i>the e-mail address first; if that is unsucc</i> <i>; if that is unsuccessful, it will be sent via</i> 703-205-8000 u.t.tan@bskb.com, mailroom@bskb.com BIRCH, STEWART, KOLASCH & BIRCH, LI B110 GATEHOUSE ROAD, SUITE 100E	u US Mail.		
CORRESPONDENCE DA Fax Number: <i>Correspondence will be using a fax number, if p</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 4:	ATA e sent to provided; t E E E F	703)205-8050 <i>the e-mail address first; if that is unsucc</i> <i>; if that is unsuccessful, it will be sent via</i> 703-205-8000 u.t.tan@bskb.com, mailroom@bskb.com BIRCH, STEWART, KOLASCH & BIRCH, LI B110 GATEHOUSE ROAD, SUITE 100E FALLS CHURCH, VIRGINIA 22042	u US Mail.		
CORRESPONDENCE DA Fax Number: <i>Correspondence will be using a fax number, if p</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 4:	ATA e sent to provided; t E E E F	703)205-8050 <i>the e-mail address first; if that is unsucc</i> <i>; if that is unsuccessful, it will be sent via</i> 703-205-8000 u.t.tan@bskb.com, mailroom@bskb.com BIRCH, STEWART, KOLASCH & BIRCH, LI B110 GATEHOUSE ROAD, SUITE 100E FALLS CHURCH, VIRGINIA 22042 0465-6836PUS1	u US Mail.		
CORRESPONDENCE DA Fax Number: <i>Correspondence will be using a fax number, if p</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET NU NAME OF SUBMITTER:	ATA e sent to provided; t E E E F	703)205-8050 the e-mail address first; if that is unsucc ; if that is unsuccessful, it will be sent via 703-205-8000 u.t.tan@bskb.com, mailroom@bskb.com BIRCH, STEWART, KOLASCH & BIRCH, LI B110 GATEHOUSE ROAD, SUITE 100E FALLS CHURCH, VIRGINIA 22042 0465-6836PUS1 TAN T. TU	u US Mail.		
CORRESPONDENCE DA Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 1: Address Line 4: ATTORNEY DOCKET NU NAME OF SUBMITTER: SIGNATURE: DATE SIGNED: Total Attachments: 2	ATA ( e sent to rovided; 7 t E 8 B B B B B B B B B B B B B B B B B B	703)205-8050 the e-mail address first; if that is unsucc ; if that is unsuccessful, it will be sent via 703-205-8000 u.t.tan@bskb.com, mailroom@bskb.com BIRCH, STEWART, KOLASCH & BIRCH, LI B110 GATEHOUSE ROAD, SUITE 100E FALLS CHURCH, VIRGINIA 22042 0465-6836PUS1 TAN T. TU /TAN T. TU/ 05/30/2019	u US Mail.		
CORRESPONDENCE DA Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET NUE NAME OF SUBMITTER: SIGNATURE: DATE SIGNED:	ATA ( sent to rovided, 7 t E E E B MBER:	703)205-8050 the e-mail address first; if that is unsucc ; if that is unsuccessful, it will be sent via 703-205-8000 u.t.tan@bskb.com, mailroom@bskb.com BIRCH, STEWART, KOLASCH & BIRCH, LL B110 GATEHOUSE ROAD, SUITE 100E FALLS CHURCH, VIRGINIA 22042 0465-6836PUS1 TAN T. TU /TAN T. TU/ 05/30/2019 S1#page1.tif	u US Mail.		

#### Attorney Docket No :0465-6836PUS1

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

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

#### ASSIGNMENT

Application	35/506,512	Filed:	August 09, 2018	
No.:				
Insert Name(s	***(Given Name FAMIL) WHEREAS,	(NAME (ALL CAPS))***	κ.	
of Inventor(s)	(hereinafter designated	as the undersign	ed) has (have) invented certain new and useful improvemen	its in:
Insert Title of Invention	MOBILE PHONE			
	for which an applicat undersigned (except in		Patent of the United States of America has been execut visional application)	ed by the
Insert Date of Signing of Appln.	on			; and
luisert Name of Assignee	WHEREAS, LG Electro	nies Inc.		
insert Address of Assignee	of 128, Yeoui-daero, Ye	ongdeungpo-gu, S	Seoul, 07336, Republic of Korea,	
		nt, title and intere	es and assigns (hereinafter designated as the Assignee) is c est in and to said invention and in and to any Letters Patent(s of America and	
Check Box if Appropriate	in any foreign cou	ntries.		
	undersigned has (have) unto said Assignce the territorics, dependencie	sold, assigned ar full and exclus and possession	table consideration, the receipt of which is hereby acknowl nd transferred, and by these presents does (do) sell, assign a sive right to the said invention in the United States of A is and the entire right, title and interest in and to any and or in the United States of America, its territories, dependent	nd transfer merica, its 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-ASSIGN-SINGLE (09-12) JTE/cdr

### PATENT REEL: 049323 FRAME: 0105

### Attorney Docket No.: 0465-6836PUS1

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 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 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 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 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 (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).

Name of Date\_August 8, 2018\_\_\_\_ Inventor

Any

(Signature) Doyoung PARK

Date August 8, 2018 Inventor

Ajro

Name of Date August 8, 2018 Inventor

(Signature) Youngho KIM

Name of Date August 8, 2018 Inventor

22 m

hventor

(Signature) Youngjoo CHO

	Name of
Date	Inventor

(Signature)

<OrgName>

Page 2

SKB-ASSIGN-SINGLE (09-12) <RSP>/<WRK>/<usr>

### PATENT REEL: 049323 FRAME: 0106

**RECORDED: 05/30/2019**