#### 505809976 12/09/2019

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5856805

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

#### **CONVEYING PARTY DATA**

Name	Execution Date
BYUNGHYUN YI	11/01/2019
GAYEONG LEE	11/01/2019
HANA KIM	11/01/2019
SANGHO LEE	11/01/2019
SOOYOUNG PARK	11/01/2019

#### RECEIVING PARTY DATA

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City:	SEOUL
State/Country:	KOREA, REPUBLIC OF
Postal Code:	07336

## **PROPERTY NUMBERS Total: 1**

Property Type	Number		
Application Number:	35507593		

### **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER:	3449-3956PUS1
NAME OF SUBMITTER:	ANH-VU DAO
SIGNATURE:	/anh-vu dao/
DATE SIGNED:	12/09/2019

**Total Attachments: 2** 

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**PATENT REEL: 051216 FRAME: 0695** 

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PATENT REEL: 051216 FRAME: 0696

# BIRCH, STEWART, KOLASCH & BIRCH, LLP

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

# **ASSIGNMENT**

Application No	).:	35/507,593	Filed:	April 19, 2019
Insert Name(s) of Inventor(s)		***(Given Name FAMILY NAME (ALL CAPS))*** WHEREAS, Byunghyun Yi, Gayeong Lee, Hana K (hereinafter designated as the undersigned) has (h		
Insert Title of Invention	⇔	Speaker		
		for which an application for Letters Patent of th undersigned (except in the case of a provisional ap		
Insert Date of Signing of Appln.	⇔	on January 1, 2017; March 1, 2017; July 1, 2	2017; I	March 1, 2019 ; and
Insert Name of Assignee	⇔	WHEREAS, LG ELECTRONICS INC.		
Insert Address of Assignee	⇔	of 128, Yeoui-daero, Yeongdeungpo-gu, Seoul, 073	336, Rep	public of Korea, ,
		its heirs, successors, legal representatives and assign of acquiring the entire right, title and interest in authat may be granted therefor in the United States of	nd to sa	aid invention and in and to any Letters Patent(s)
Check Box if Appropriate	⇔	in any foreign countries.		
		NOW, THEREFORE, for good and valuable consithe undersigned has (have) sold, assigned and transfer unto said Assignee the full and excludancies, its territories, dependencies and possess and all Letters Patent(s) which may be granted to dependencies and possessions, and if the box above any and all divisions, reissues, continuations, conterms for which the same may be granted.	ansferrousive rigions and herefor ve is de	ed, and by these presents does (do) sell, assign ght to the said invention in the United States of d the entire right, title and interest in and to any in the United States of America, its territories, signated, in any and all foreign countries; and to

Attorney Docket No.: 3449-3956PUS1

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 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 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).

Date	November 1, 2019	Name of Inventor	Bh. Gi
			(Signature) Byunghyun Yi
Date	November 1, 2019	Name of Inventor	(Signature) Gayeong Lee
Date	November 1, 2019	Name of Inventor	(Signature) Hana Kim
			(ingliature) Traffa Kine
Date	November 1, 2019	Name of Inventor	
			(Signature) Sangho Lee
Date	November 1, 2019	Name of Inventor	portu
			(Signature) Sooyoung Park
Date		Name of Inventor	
Diffe	. UQ DA ARIB DERBAM MARITERI MA DA PRED DE REPRESENTANTA A TRADE A TRADE DE ARIBERTA DE AR		(Signature)

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**RECORDED: 12/09/2019** 

BIRCH, STEWART, KOLASCH & BIRCH, LLP