#### 505862762 01/14/2020

### PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

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JUNGHAN RYU	12/03/2019
TAEHO KIM	12/03/2019
KYUSUH PARK	12/04/2019
JIPYO HONG	12/02/2019
CHULMIN LIM	12/04/2019
BUMSANG LEE	12/02/2019
MIJIN JUNG	12/02/2019
JUNGHYUN JOO	12/02/2019
JUNKI KIM	12/02/2019

#### RECEIVING PARTY DATA

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Postal Code:	150-721

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

Property Type	Number	
Application Number:	29716328	

### CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: 0465-7255PUS1

> **PATENT** REEL: 051507 FRAME: 0684

NAME OF SUBMITTER:	PHILLIP R. TASHJIAN		
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DATE SIGNED:	01/14/2020		
Total Attachments: 4			
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PATENT REEL: 051507 FRAME: 0685

## BIRCH, STEWART, KOLASCH & BIRCH, LLP

P.O. Box 747 • Falls Church, Virginia 22040-0747
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## DECLARATION AND ASSIGNMENT FOR PATENT AND DESIGN APPLICATIONS

United States Patent Rights, or United States Plus all Foreign Patent Rights

little of invention	27	Indoor wall with built-in home appliances
		As a below named inventor (hereinafter designated as the undersigned), I hereby declare that:
Application not Attached	ф	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:
Enter Appin. No.	4	United States Application Number or PCT International Appln. No.
Enter 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.
Insert Name of Assignee	φ	WHEREAS, LG ELECTRONICS INC.
Insert Address of Assignce	্ব	of 128, Yeoui-daero, Yeongdeungpo-gu, Seoul, 150-721, Republic of Korea,
Ü		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
Check Box it :: Appropriate	:\$	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

Page 1

terms for which the same may be granted.

any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or

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.	NAM	E OF	INVE	NTOR
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igotimes Additional inventors are being named on the  ${
m I}$  supplemental sheet(s) attached hereto.

Investor's Name - 9	Inventor:	Youngkyoung K	IM		Date: / ユ/	103/2019
Inventor's Signature 🧇	Signature:	<u> </u>	-M-		,	
An application da	ata sheet (PTC	D/SB/14 or equiva	leny), including naming the	entire inventive	entity, must ac	company this form.
Use a separate for	rm for each in	wentor, or check th	ne box below and complete	the attached pag	ge(s) to list addit	tional inventors.

PATENT REEL: 051507 FRAME: 0687

# SUPPLEMENTAL SHEET FOR DECLARATION AND ASSIGNMENT

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

	LEGAL N	AME OF JOINT INVENTOR, IF ANY	
Escretated a Name	inventor	Junki KIM	Date: 12.02.2019
Secretaria de la Constitución de	* Signature	Junki kIM	U.S NACY - NACA - U. CONTRACTOR AND COLORS - INSEED - INSEED STORY OF THE PROPERTY OF THE P
	LEGAL N	AME OF JOINT INVENTOR. IF ANY	
Same arrestory of August 1	* inventor	Tacho XIII	Date: 12.02, 2-19
Distribution + September 1	Signature:	<u>Li</u>	
	LEGAL N	AME OF JOINT INVENTOR, IF ANY	
Investor + News	Sinventor	Junghan RYU	Date: 12. 03. 2019
bourtour i September	Sgnature	Mun	
	LEGAL N.	AME OF JOINT INVENTOR, IF ANY	
Investor's Name	°Inventor	Kyusuh PARK	Date: 12.04.09
ioversod i Signature	Signature	- PARKKYKULD	
	LEGAL N	AME OF JOINT INVENTOR, IF ANY	
Inventor's Same	<sup>c</sup> loventor.	Burnsang LEE	Date: 12 02 2018
Lovenne's Signature	⇔Signature.	b. G. leve	
	LEGAL N	AME OF JOINT INVENTOR, IF ANY	
Inventor's Care	⇔Inventor:	Chulmin LIM	Date: 12, 0 K, 2010
Inventor's Signature	<sup>©</sup> Signature:	-CTM	
	LEGAL N	AME OF JOINT INVENTOR, IF ANY	
Josepher's Name	<sup>⇔</sup> Inventor:	Mijin JUNG	Date: 12 02 2019
Inventor's Segnature	°Signature:		1
	LEGAL N	AME OF JOINT INVENTOR, IF ANY	
Inventor's Name	⇔Inventor:	Junghyun JOO	Date. 12 02 2019
Inventor's Signature	⇔Signature:		

## Atterney Docket No. 0465 - 7255 PUS1

	LEGALN	AME OF JOINT INVENTOR, IF ANY					
is constant Nation	2 Inventor	Japvo HONG	Date:			2019	
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**RECORDED: 01/14/2020**