PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6015975

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YOUNGKYOUNG KIM	12/02/2019
JUNGHAN RYU	10/28/2019
TAEHO KIM	10/28/2019
KYUSUH PARK	12/04/2019
JIPYO HONG	10/28/2019
CHULMIN LIM	10/28/2019
BUMSANG LEE	10/28/2019
MIJIN JUNG	10/28/2019
JUNGHYUN JOO	10/28/2019
JUNKI KIM	12/02/2019

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:	29727860

CORRESPONDENCE DATA

505969268

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: 7032058000

Email: christopher.smith@bskb.com, mailroom@bskb.com

BIRCH STEWART KOLASCH & BIRCH LLP Correspondent Name: Address Line 1: 8110 GATEHOUSE ROAD, SUITE 100E

Address Line 4: FALLS CHURCH, VIRGINIA 22042

ATTORNEY DOCKET NUMBER: 0465-7427PUS1

> **PATENT** REEL: 052177 FRAME: 0174

NAME OF SUBMITTER:	CHRISTOPHER SMITH				
SIGNATURE:	/Christopher Smith/				
DATE SIGNED:	03/16/2020				
Total Attachments: 4					
source=2020-03-13_AssignmentasFi	source=2020-03-13_AssignmentasFiled_0465-7427PUS1#page1.tif				
source=2020-03-13_AssignmentasFiled_0465-7427PUS1#page2.tif					
source=2020-03-13_AssignmentasFiled_0465-7427PUS1#page3.tif					

source=2020-03-13_AssignmentasFiled_0465-7427PUS1#page4.tif

PATENT REEL: 052177 FRAME: 0175 Application Number: 29727860 Filed On: 13-MAR-2020

Attorney Docket No. 0465-7427PUS1

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

Title of Invention $\ \ ^{\circ}$ Indoor wall with built-in home appliances

		As a below named inventor (hereinafter designated as the undersigned), I hereby declare that:
Application not Attached	ø	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 Appln. No.	⇔	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	ď	WHEREAS, LG ELECTRONICS INC.
Insert Address of Assignee	ဌ	of 128, Yeoui-daero, Yeongdeungpo-gu, Seoul, 150-721, Republic of Korea,
or russgade		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 if 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 any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or terms for which the same may be granted.

Attorney Docket No. 0465-7427PUS1

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.

l	EG.	AL	NAD	AE.	OF	IN"	٧į	έN	I	OF	ζ.
---	-----	----	-----	-----	----	-----	----	----	---	----	----

Inventor's Name	12)	Inventor:	Buinsang LEE	Date:	10.	28.20	19
Inventor's Signatus	o. =>	Signature:	5.5. lee				
An applicatio Use a separati	n da e fo	ita sheet (PTC rm for each ti	0/SB/14 or equivalent), including naming the entire inventiventor; or check the box below and complete the attached pa	re entity, n ige(s) to lir	nust accor st addition	upany this for nal inventors.	rm.
Additiona	Lin	ventors are b	ing named on the 1 supplemental sheet(s) aftached hereto				

Page 2

SUPPLEMENTAL SHEET FOR DECLARATION AND ASSIGNMENT

ADDITIONAL INVENTOR(S)
Supplemental Sheet Page 1 of 1

	THOUGH AT N	IAME OF JOINT INVENTOR, IF ANY		
Investor's Name	inventor:	Taeho KIM	Date:	10.28, 2019
Toversor's Signature	Signature			
	LEGALN	AME OF JOINT INVENTOR, IF ANY		
lavonick's Samo	d Inventor.	Junghan RYU	Date:	10. 20. 20)
inventor's Signature	≅ Signature	How	and the state of t	
	LEGAL N	AME OF JOINT INVENTOR, IF ANY		
Instrutor's Missor	⇔Inventor:	Chulmin LIM	Dates	10.28.2019
Inventor's Signature	⇔Signature:	Ary		· ·
	LEGAL N	AME OF JOINT INVENTOR, IF ANY		
lijventor's Name	*Inventor	Mijin JUNG	Date:	10.28.3019
inventor's Signature	⇒Signacure:	Jums	And the second section of the section of t	
	LEGAL N	AME OF JOINT INVENTOR, IF ANY		
Inventor's issue	©inventor;	Junghyun 100	Date	10-28-2019
hwenny's Signanyre	≈Signature:	- Jankar (mining film - management of the manage	and the second continues and another second c	<i>t</i>
	LEGALN	AME OF JOINT INVENTOR, IF ANY		
Inventor's Name	[©] inventor:	Jipyo HONG	Date:	10,28,2019
Inventor's Signature	∜Signature:	Att		
	LEGAL N	AME OF JOINT INVENTOR, IF ANY		
inventor's Mame	*Inventor:	Youngkyoung KIM	Date	12 02 2019
incentor striggand te	⇒Signature:	754		Myteorinanskop i met i vint spannenskop heldele de vinteren i vinteren i vinteren i vinteren i vinteren i vinte
	LEGAL N	/* AME OF JOINT INVENTOR, IF ANY		
вы диков'я Кадие-	^{ro} Inventor:	Kyasah PARK	Date	(2.04 Dag
faverter's liignotere	*Signature	DABYKALL		1

BINCH, STEWART, KOLASCH & BIRCH, LLP

PATENT REEL: 052177 FRAME: 0178

Attorney Docket No.: 0465-7427PUS1

LÉGAL NAME OF JOINT INVENTOR, IF AN							
Inventor's Name	*firventor:	Junki KIM	į.	1	Date:	12-, 02 .	2-15
Invertor's Signature	⇒Signatüre:				ogicka feriology producery processor som god or great and a second contract of the contract of		

PATENT REEL: 052177 FRAME: 0179

RECORDED: 03/16/2020