### 504784483 02/20/2018

## PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
YURI CHOI	02/19/2018
EUNJEONG KIM	02/14/2018
JEONGYON KIM	02/14/2018
MYUNGSUK LEE	02/19/2018

#### **RECEIVING PARTY DATA**

Name:	LG ELECTRONICS INC.
Street Address:	128, YEOUI-DAERO, YEONGDEUNGPO-GU
City:	SEOUL
State/Country:	KOREA, REPUBLIC OF
Postal Code:	07336
Name:	PUKYONG NATIONAL UNIVERSITY INDUSTRY-UNIVERSITY COOPERATION FOUNDATION
Street Address:	365 (YONGDANG-DONG, PUKYONG NATIONAL UNIVERSITY), SINSEON-RO, NAM-GU
City:	BUSAN
State/Country:	KOREA, REPUBLIC OF
Postal Code:	48547

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

Property Type	Number
Application Number:	15753733

#### **CORRESPONDENCE DATA**

**Fax Number:** (703)766-3644

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

**Phone:** 7037663777

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Address Line 4: RESTON, VIRGINIA 20195

ATTORNEY DOCKET NUMBER: HI-1391

PATENT REEL: 044976 FRAME: 0278

504784483

NAME OF SUBMITTER:	DANIEL Y.J. KIM
SIGNATURE:	/Daniel Y.J. Kim/
DATE SIGNED:	02/20/2018
Total Attachments: 4	
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source=Assignments#page2.tif	
source=Assignments#page3.tif	
source=Assignments#page4.tif	

Docket No.: HI-1391

## **ASSIGNMENT**

(1) Ynri CHOI	(3) Jeongyon KIM
(2) Eunjeong KIM	(4) Myungsuk LEE
who have made a cortain new and useful invention	on, hereby sell, assign and transfer unto
	G Electronics Inc.
	ui-daero, Yeongdeungpo-gu
35000	, 07336, Republic of Korea
Y)	and
	INDUSTRY-UNIVERSITY COOPERATION FOUNDATION rong National University), Sinscon-ro, Nam-gu
	, 48547, Republic of Korea
ts successors and assigns (hereinafter designated of America as defined in 35 U.S.C. 100 in the inv	d "ASSIGNEE") the entire right, title and interest for the United States rention entitled
	REFRIGERATOR
a) for which an application for United States Le United States Serial No	etters Patent was filed on, and identified by
	errors Patent was executed on February 14, 2018; February 19, 2
extensions, divisions, reissues, substitutes, renew priority thereto, and the right to all benefits under the said ASSIGNEE, for its interest as ASSIC	ay be granted therefor and/or that claim priority thereto and any and all wals, continuations, or continuations-in-part thereof and/or that claim in the International Convention for the Protection of Industrial Property SNEE, its successors, assigns and legal representatives; the undersigned ion shall hereafter act on behalf of said ASSIGNEE;
pplication for and obtaining original, divisional, if the said ASSIGNEE, its successors, assigns a improvements, and applications for patent based	transfer a like interest, and to render all necessary assistance in making, reissued or extended Letters Patent of the United States, upon request ad legal representatives, and without further remuneration, in and to any thereon, growing out of or related to the said invention; and to execute ors, assigns and legal representatives, deemed essential to ASSIGNEE's ereby transferred.
ssignment any further identification that may be	the firm of KED & ASSOCIATES, LLP the power to insert on this e necessary or desirable in order to comply with the rules of any issuing Trademark Office, for recordation of this document.
HGNED on the dates indicated aside our signan	uees:
INVENTORS	DATE SIGNED
Yuri CHOI	Feb. 19. 2018.
Name: Yuri CHOI	
<b>Y</b>	
) Name: Eunjeong KIM	
T Nov	
,	***************************************
)	
) Name: <b>Jeongyon KIM</b>	

Docket No.: HI-1391

# ASSIGNMENT

In consideration of the premises and other good an sufficiency of which is hereby acknowledged, the undersigned,	d valuable consideration in hand paid, the receipt and
(1) Yuri CHOI	(3) Jeongyon KIM
(2) Eunjeong KIM	(4) Myungsuk LEE
who have made a certain new and useful invention, hereby sell,	assign and transfer unto
<u>LG ELECTRON</u> 128, Yeoui-daero, Yeo <u>Seoul, 07336, Repu</u>	ngdeungpo-gu
and	
PUKYONG NATIONAL UNIVERSITY INDUSTRY-U 365 (Yongdang-dong, Pukyong Nationa Busan, 48547, Repu	I University), Sinseon-ro, Nam-gu
its successors and assigns (hereinafter designated "ASSIGNEE" of America as defined in 35 U.S.C. 100 in the invention entitled	') the entire right, title and interest for the United States
REFRIGER	<u>ATOR</u>
(a) for which an application for United States Letters Patent wa United States Serial No; or	s filed on, and identified by
(b) for which an application for United States Letters Patent wa	s executed on February 14, 2018; February 19, 2018
and the undersigned hereby authorize and request the United Sany and all United States Letters Patent which may be granted the extensions, divisions, reissues, substitutes, renewals, continuation priority thereto, and the right to all benefits under the Internation to the said ASSIGNEE, for its interest as ASSIGNEE, its successful application shall hereafted.	nerefor and/or that claim priority thereto and any and all ons, or continuations-in-part thereof and/or that claim anal Convention for the Protection of Industrial Property essors, assigns and legal representatives; the undersigned
AND the undersigned hereby agree to transfer a like application for and obtaining original, divisional, reissued or ex of the said ASSIGNEE, its successors, assigns and legal represe improvements, and applications for patent based thereon, grow any papers by the said ASSIGNEE, its successors, assigns and full protection and title in and to the invention hereby transferred	ntatives, and without further remuneration, in and to any ing out of or related to the said invention; and to execute legal representatives, deemed essential to ASSIGNEE's
AND the undersigned hereby grants the firm of KE assignment any further identification that may be necessary or authority, including the United States Patent and Trademark Of	ED & ASSOCIATES, LLP the power to insert on this desirable in order to comply with the rules of any issuing fice, for recordation of this document.
SIGNED on the dates indicated aside our signatures:	
INVENTORS	DATE SIGNED
1) Name: Yuri CHOI	
2) U Z M Name: Eunjeong KIM	14 FEB 2018
A TOTAL AND	
3) Name: Jeongyon KIM	
4)Name: Myungsuk LEE	

Docket No.: <u>HI-1391</u>	
ASSIGNME	NT
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(1) Yuri CHOI	3) Jeongyon KIM
(2) Eunjeong KIM	4) Myungsuk LEE
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its successors and assigns (hereinafter designated "ASSIGNEE") of America as defined in 35 U.S.C. 100 in the invention entitled	the entire right, title and interest for the United States
REFRIGERA	
(a) for which an application for United States Letters Patent was United States Serial No; or	
(b) for which an application for United States Letters Patent was	executed on February 14, 2018; February 19, 2018
and the undersigned hereby authorize and request the United Sta any and all United States Letters Patent which may be granted the extensions, divisions, reissues, substitutes, renewals, continuation priority thereto, and the right to all benefits under the Internation to the said ASSIGNEE, for its interest as ASSIGNEE, its succes agree that the attorneys of record in said application shall hereafte	refor and/or that claim priority thereto and any and all ns, or continuations-in-part thereof and/or that claim al Convention for the Protection of Industrial Property sors, assigns and legal representatives; the undersigned
AND the undersigned hereby agree to transfer a like in application for and obtaining original, divisional, reissued or exterof the said ASSIGNEE, its successors, assigns and legal represent improvements, and applications for patent based thereon, growing any papers by the said ASSIGNEE, its successors, assigns and lefull protection and title in and to the invention hereby transferred.	nded Letters Patent of the United States, upon request atives, and without further remuneration, in and to any 3 out of or related to the said invention; and to execute 25 gal representatives, deemed essential to ASSIGNEE's
AND the undersigned hereby grants the firm of KED assignment any further identification that may be necessary or de authority, including the United States Patent and Trademark Office	sirable in order to comply with the rules of any issuing
SIGNED on the dates indicated aside our signatures:	
INVENTORS	DATE SIGNED
1)	
Name: Yuri CHOI	
2) Name: Eunjeong KIM	
3) 김정면	14 FEB 2018
Name: Jeongyon KIM	***************************************

Name: Myungsuk LEE

Docket No.: HI-1391

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(2) Eunjeong KIM	(4) Myongsok LEE
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bas	
Pukyong National University Industry-U 365 (Yongdang-dong, Pukyong Nationa Busan, 48547, Repu	l University), Sinscon-to, Nam-gu
its successors and assigns (hereinafter designated "ASSIGNEE" of America as defined in 35 U.S.C. 100 in the invention entitled	') the entire right, title and interest for the United States
REFRIGER	ATOR
(a) for which an application for United States Letters Patent was United States Serial '90.	
(b) for which an application for United States Letters Patent wa	Executed on February 14, 2018; February 19, 2018
and the undersigned heachy authorize and request the United Sany and all United States Letters Patent which may be granted dextensions, divisions, reissues, substitutes, renewals, continuation to the said ASSIGNEE, for its interest as ASSIGNEE, its succeptive that the automores of record in said application shall bereaf	nesefor and/or that claim priority thereto and any and all ons, or continuations in part thereof and/or that claim sal Convention for the Protection of Industrial Property essors, assigns and legal representatives; the undersigned
AND the undersigned benefy agree to transfer a like is application for and obtaining original, divisional, reissued or ext of the said ASSIGNEE, its successors, assigns and legal represeint improvements, and applications for patent based thereon, growing papers by the said ASSIGNEE, its successors, assigns and full protection and title in and to the invention hereby transferre	ntatives, and without further remuneration, in and to any ng out of or related to the said invention; and to execute legal representatives, deemed essential to ASSIGNEE's
AND the undersigned hereby grants the firm of KE assignment any further identification that may be necessary or d authority, including the United States Patent and Trademark Off	D & ASSOCIATES, LLP the power to insert on this lestrable in order to comply with the rules of any issuing lice, for recordation of this document.
SIGNED on the dates indicated aside our signatures:	
INVENTORS	DATE SIGNED
1) Name Yuri CHOI	·
Z)Name: Eunjeong KIM	
3)	
Name: Jeongyon KIM	
x Leeyel	19 Fev. 2018
Name: Myungsuk LEE	

PATENT REEL: 044976 FRAME: 0283

**RECORDED: 02/20/2018**