## 504840315 03/28/2018

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4887052

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
DAEJIN CHOI	02/09/2018
HYEHYUN SIM	02/13/2018
JONGPIL KIM	02/13/2018
YONGWOON PARK	03/13/2018

### **RECEIVING PARTY DATA**

Name:	LG ELECTRONICS INC.
Street Address:	128, YEOUI-DAERO YEONGDEUNGPO-GU
City:	SEOUL
State/Country:	KOREA, REPUBLIC OF
Postal Code:	07336

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

Property Type	Number
Application Number:	15763916

## **CORRESPONDENCE DATA**

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

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:** 7037663777

Email: ked-docket@ked-iplaw.com
Correspondent Name: KED & ASSOCIATES, LLP

Address Line 1: P.O. BOX 8638

Address Line 4: RESTON, VIRGINIA 20195

ATTORNEY DOCKET NUMBER:	K-1900
NAME OF SUBMITTER:	PAUL H. KANG
SIGNATURE:	/Paul H. Kang/
DATE SIGNED:	03/28/2018

## **Total Attachments: 3**

source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif

PATENT 504840315 REEL: 045370 FRAME: 0452

## **ASSIGNMENT**

ो एक्सकी व्याप्त के के इस्तावक को विकास हुवरी कार्य र कारी। व्योक्त की वार्ती महत्त्वी		tend posit the record and sall	
CHOL Decin	· · · · · · · · · · · · · · · · · · ·	C. Yong error	स्टाक्टाच्या क्षेत्रं तकाक्षण्याम् स्थापना विश्वस्थानम् । स्टाक्टाच्या
SIM, Hischnen			alikan kan 2 singan 8 kingga panggangan kin <del>a dapa</del> n dan panggan 1980 kina dan panggan 1980 kina dan panggan 1980 kina dan panggan 1980 kina dan panggan pangg
KIM, Jongpil		al and a suppose and the suppose of	
the law and contact we will make a survey being oil, war			
LG ELEC	TRONICS INC.		
128, YEOUI-DAER	**	PO-GU	
	UL 07336 IC OF KOREA		
n equipments and images (hermonible designated "ASSECHTS") sho 3-13-1, 101 in the internation created		en to a the Council States of Al	niens e detinoù m
REFRI	GERATOR		
e) due which an application for Lemis France Latitus Patrict was filed	lin and therefore	ul for Crossed Status Secret No.	
in the whall an eggication to Civilia Separa Letters Patrict was ent		· · · · · · · · · · · · · · · · · · ·	
created a continue and or is entertained an part there if and in the continue of the day I's section of Industrial Property to the said A space enterties, the machinegonal agree that the attenties of entered in ANO the anticomposal benefits agree to transfer a bit as demand or extended latters. Parties or entered logical agreement, extended latters Parties or extended latters Parties or entered logical agreement, extended authors further extenderation or entered and extended actions of a school for the continuence and extended actions and parties of an admittance and to the continuence and extended actions and to the continuence and mile to and to the continuence and mile to and to the	SSIGNIAL for an observe med application shall be so served, and no creater all n date. United States, agen , as and to the improver pera by the and ASSIGNI	e as ANIOMEL, to encerous ofter set on behalf of each ASSI accesses assummer in making a require of the each ASSIGN pents, and applications for par- till, its assectance, assigns and it.	e, pought the regal CANITY, applications for and ET, its successions, call based themses,
AND the sanderagened become grants the form of KED I learning man that may be inscensive or demakke in order to comply a makemank titles for recordances of that document	ASSOCIATES, LLP	le power to insert on this are	meneri der funden d Simer Patent and
(LN(1) of the dates andicated undersor superiorer			
INCIDATION		DATE SIGNED	
<u> </u>		2018 2	q
Num CHOI, Dacjin	And the state of t	2010 2	
Name SIM, Hyeliyun	<del>V. J. P. Pallida et al.</del>	<del>princes and the second second</del>	
		·	
Xxxx KIM, Jongpil	**************************************		
And the second s	1	l	
	a commence por transfer and the commence of th		And the second commence of the second commenc
PARK, Yongwoon			

PATENT REEL: 045370 FRAME: 0453

# ASSIGNMENT

In consideration of the premises and other good a hereby acknowledged, the undersigned,	ind valuable consuler	main in hand paid, the rescapt and authorized is limit in
(i) CHOI, Daciin	(4)	PARK, Yongwoon
(2) SIM. Hychyun	(5)	
(3) KIM, Jongpil		
who have made a certain new and useful invention, hereby sell,	aasign and transfer un	to ·
LGE	LECTRONICS I	NC:
128, Yeoui-da	ERO YEONGD	EUNGPO-GU
	EOUL 07336	
REPU	BLIC OF KOR	EA.
its successors and assigns (beginnafter designated "ASSIGNED" 35 U.S.C. 100 in the invention entitled	) the entire nght, tick	and interest for the United States of America as defined in
RE	FRIGERATO	<u> </u>
(a) for which an application for United States Letters Patent wa	s filed on, ar	id identified by United States Serial No, or
(b) for which an application for United States Letters Patent wa	is executed on	
and the undersigned hereby authorize and request the United S. Letters Patent which may be granted therefor and/or that el- renewals, communions, or communions-in-part thereof and/or Convention for the Protection of Industrial Property to the sa representatives, the undersigned agree that the attorneys of reco-	lam priority thereto or that claim priority ( aid ASSIGNEL, for	and any and all extensions, dismons, reasons, substitutes bereto, and the right to all benefits under the Internasional its interest as ASSIGNRE, its successors, asserts and lear-
AND the undersigned hereby agree to transfer a li- obtaining original, divisional, reassed or examined Letters Pat- assigns and legal representatives, and without further remainer growing out of or related to the said invention, and in execute a decored essential to ASSIGNEE's full protection and title in an	sent of the United St ration, in and to any my papers by the said	improvements, and applications for patent based thereon ASSIGNEE, its vaccessors, assem and level representative
AND the undersigned bereby grants the firm of Kl identification that may be necessary as desirable in only to com Trademark Office, for recordation of this document	ED & ASSOCIATE oply with the color of	S, LLP the power to assert on the assignment any further any course authority, including the United States Patent and
SIGNED on the dates indicated aside our signatures		
INVENTORS		DATE SIGNED
1)		
Name CHOI, Dacjin		
2) Name SIM, Hychyun		2.18, 2.13
TABLE SITA, FLYERYIN		
3) 32		2018 2.13
Name KIM, Jongpil	<del>ann fa l</del> antan eigen gan actual e skiraline fa kare eighn e got	
4)		
Name PARK, Yongwoon	ne fyr egys andek skip sy ek kamman de fyr gannad de fyr ei fyr fy'r ei fy'r ei fy'r ei fy'r ei fy'r ei fy'r e E	

PATENT REEL: 045370 FRAME: 0454

#### ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned, CHOI, Daejin (4) PARK, Yongwoon SIM, Hyehyun KIM, Jongpil who have made a certain new and useful invention, hereby sell, assign and transfer unto LG ELECTRONICS INC. 128, YEOUI-DAERO YEONGDEUNGPO-GU **SEOUL 07336** REPUBLIC OF KOREA its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled REFRIGERATOR (a) for which an application for United States Letters Patent was filed on \_\_\_\_\_, and identified by United States Serial No. (b) for which an application for United States Letters Patent was executed on \_ and the undersigned hereby authorize and request the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and/or that claim priority thereto and any and all extensions, divisions, reissues, substitutes, renewals, continuations, or continuations-in-part thereof and/or that claim priority thereto, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE; AND the undersigned hereby agree to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors. assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred. AND the undersigned hereby grants the firm of KED & ASSOCIATES, LLP the power to insert on this assignment any further identification that may be necessary or desirable in order to comply with the rules of any issuing authority, including the United States Patent and Trademark Office, for recordation of this document. SIGNED on the dates indicated aside our signatures: INVENTORS DATE SIGNED Name: CHOI, Daejin Name: SIM, Hyehyun Name: KIM, Jongpil

> PATENT REEL: 045370 FRAME: 0455

**RECORDED: 03/28/2018**