505108971 09/24/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 EPAS ID: PAT5155731

Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JEONGKI KIM	08/28/2018
KISEON RYU	08/27/2018
HANGYU CHO	08/28/2018

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:	16087992		

CORRESPONDENCE DATA

Fax Number: (213)623-2211

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

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LEE, HONG, DEGERMAN, KANG & WAIMEY **Correspondent Name:**

Address Line 1: 660 S. FIGUEROA STREET

Address Line 2: **SUITE 2300**

Address Line 4: LOS ANGELES, CALIFORNIA 90017

ATTORNEY DOCKET NUMBER: 2101-71588 **NAME OF SUBMITTER:** JUSTIN D. LEE SIGNATURE: /Justin D. Lee/ **DATE SIGNED:** 09/24/2018

Total Attachments: 2

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> **PATENT** REEL: 046954 FRAME: 0663 505108971

LGE Ref.: 17ASL129PC01US01_syc

ASSIGNMENT

(1-8) Insert Name(s) of Inventor(s)		(2) F	KIM, Jeongki RYU, Kiseon CHO, Hangyu		(5) (6) (7) (8)
(9)	Insert name of Assignee	(4)	valuable consider	rations paid to ean, and hereby doe	one dollar (\$1.00) and other good and ach of the undersigned, the undersigned as assign, transfer and set over to
(10)	Insert state of Incorporation of	` ,	Republic of Kor		
(10)	Assignee	(,			
(11)	Insert address of Assignee	` ′		o, Yeongdeung	po-gu, Seoul, 07336
		Rep	ublic of Korea		
			einafter designated rest in the invention) the entire worldwide right, title and
(12) Insert identification of Invention, such as Title, Case Number or Foreign Application Number		(12)	POWER SAVING	METHOD THRO	UGH USER-SPECIFIC SIGNALING
			of America and	ve) executed an application for patent in all patent applications in foreign countries ereon.	
divisi sepa	onal and continuing United State	s and	I foreign application	ns for the above-i	n connection with any original, reissue, dentified invention and also to execute by deem necessary or expedient.
may every	The undersigned ago be declared concerning this app way possible in obtaining evide	licatio	n or continuation of	r division thereof	connection with any interference which and to cooperate with the Assignee in nce.
	3) The undersigned ag ssary in connection with claims online agreements.	ree(s or pro	to execute all par visions of the Inter	ers and docume national Convent	nts and perform any act which may be ion for Protection of Industrial Property
4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.					
all Le appli have	5) The undersigned he etters Patents of the United State	reby a s res	authorize(s) and re ulting from said app as Assignee of the	olication or any di entire interest, an	missioner of Patents to issue any and vision or divisions or continuing and hereby covenants that he has (they have) not executed any agreement
The undersigned hereby appoints the Attorneys associated with Customer No. 035884 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 United States Patent and Trademark Office for recordation of this document.					
Da	te 20/f.0f-2f	Signa	ature of Inventor KI	M, Jeongki	Mi
Da	te:	Signa	ature of Inventor R	YU, Kiseon	
Do	2018.28	Sign	ature of Inventor C	HO. Hangvu	11/6 m

PATENT

REEL: 046954 FRAME: 0664

Attorney Decket No. 2101-71588

LGE Ref.: 17ASL129PC01US01_syc

ASSIGNMENT

(1-8)	Insert Name(s) of Inventor(s)	(1) KIM, Jeongki (5)		
		(2) RYU, Kiseon (6)		
		(3) CHO, Hangyu (7)		
		(4)		
		In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to		
(9)	Insert name of Assignee	(9) LG ELECTRONICS INC.		
(10)	insert state of Incorporation of Assignee	(10) Republic of Korea		
(11)	Insert address of Assignee	(11) 128, Yeoui-daero, Yeongdeungpo-gu, Seoul, 07336		
		Republic of Korea		
		(hereinafter designated as the Assignee) the entire worldwide right, title and interest in the invention known as		
(12)		(12) POWER SAVING METHOD THROUGH USER-SPECIFIC SIGNALING		
Invention, such as Title, Case Number or Foreign Application Number	for which the undersigned has (have) executed an application for patent in the United States of America and all patent applications in foreign countries corresponding thereto or based thereon.			
1) The undersigned agree(s) to execute all papers necessary in connection with any original, reissue, divisional and continuing United States and foreign applications for the above-identified invention and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.				
2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.				
3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.				
4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of				
a valid United States patent to the Assignee. 5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed any agreement in conflict herewith.				
The undersigned hereby appoints the Attorneys associated with Customer No. 035884 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 United States Patent and Trademark Office for recordation of this document.				
Dat	e;	Signature of Inventor KIM, Jeongki		
		1		
	8/20 /2010			
Dat	e: 8/27/2018	Signature of Inventor RYU, Kiseon		

Signature of Inventor CHO, Hangyu_____

PATENT REEL: 046954 FRAME: 0665

RECORDED: 09/24/2018

Date: