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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date	
YUNJUNG YI	06/21/2016	
BONGHOE KIM	06/21/2016	
KIJUN KIM	06/21/2016	
JOONKUI AHN	06/21/2016	
JONGHYUN PARK	06/21/2016	
DAESUNG HWANG	06/22/2016	

RECEIVING PARTY DATA

Name:	LG ELECTRONICS INC.
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State/Country:	KOREA, REPUBLIC OF

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	16100957	

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DATE SIGNED:	08/10/2018

Total Attachments: 2

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PATENT REEL: 046616 FRAME: 0903

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PATENT REEL: 046616 FRAME: 0904

Assignment of Application

WHEREAS, I	, I (WE) YI, Yunjung; KIM, Bonghoe; KIM, Kijun;						
AHN, Joonkui; PARK, Jonghyun and HWANG, Daesung				, respectively,			
have invented certai	in new a	nd useful improveme	ents in:				
		NG CONTROL INF CE SIGNAL AND A					Ţ
for which an applica	ation for	Letters Patent was e	xecuted	on			
(Application No.			Filed), and
WHEREAS,	LG ELI	ECTRONICS INC.					
(hereinafter referred	l to as "A	ASSIGNEE") having	a place	of b	usiness at:		
128, Yeoui-daero, Y	eongde	ungpo-gu, Seoul 150)-721, Ka	orea			

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), and for other good and valuable consideration, the receipt whereof is hereby acknowledged, I (WE), by these presents hereby agree to sell, assign and transfer unto said ASSIGNEE, and ASSIGNEE'S heirs, successors, and assigns, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all provisional, non-provisional, divisional, continuation, continuation-in-part, substitute, and reissue applications, and all Letters Patent, extensions, reissues, and reexamination certificates which may be granted therefore in the United States and its territorial possessions and in any and all foreign countries.

I (WE) hereby authorize and request the Patent Office Officials in the United States and Its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behalf of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and perform all affirmative acts which may be necessary in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

PATENT REEL: 046616 FRAME: 0905

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The undersigned hereby grant(s) the firm of Dentons US LLP, Attorneys at Law, 1900 K Street, N.W., Washington, D.C. 20006 the power to insert on this assignment any further identification, including the application number and filing date, 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.

Date: 1016.6. M (Signature of Inventor) YI, Yunjung Date: 2016_6-21 (Signature of Inventor) KIM, Bonghoe Date: 2-0/6/6/ (Signature of Inventor) KIM, Kijun Date: 20/6.6.21 (Signature of Inventor) AHN, Joonkui Date: 20/6, 6.21, (Signature of Inventor) PARK, Jonghyun Date: 20/6 6, 22 (Signature of Inventor)

> Dentons US LLP Attorneys At Law 1900 K Street, N.W. Washington, D.C. 20006

HWANG, Daesung