504530917 09/01/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	ASSIGNMENT		

CONVEYING PARTY DATA

Name	Execution Date
YEONGKYEONG SEONG	08/02/2017
WONSIK KIM	08/02/2017

RECEIVING PARTY DATA

Name:	SAMSUNG ELECTRONICS CO., LTD.
Street Address:	129, SAMSUNG-RO, YEONGTONG-GU, GYEONGGI-DO,
City:	SUWON-SI
State/Country:	KOREA, REPUBLIC OF
Postal Code:	16677

PROPERTY NUMBERS Total: 1

Property Type	Number		
Application Number:	15694168		

CORRESPONDENCE DATA

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Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

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Email: sughrue@sughrue.com, icontreras@sughrue.com

Correspondent Name: SUGHRUE MION, PLLC

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ATTORNEY DOCKET NUMBER: Q233456			
NAME OF SUBMITTER: INGRID CONTRERAS, TEAMS DEPT.			
SIGNATURE:	/Ingrid Contreras/		
DATE SIGNED:	09/01/2017		
This document serves as an Oath/Declaration (37 CFR 1.63).			

Total Attachments: 4

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PATENT 504530917 REEL: 043749 FRAME: 0647

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PATENT REEL: 043749 FRAME: 0648

Docket No.: Q233456

SEC Ref.: CQ-201703-007-1-US0

Only After Sept 16, 2012

ASSIGNMENT WITH DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)

Whereas, I/We, the undersigned inventor(s) hereinafter called assignor(s), have invented certain improvements described in the application identified below; and

Whereas, <u>SAMSUNG ELECTRONICS CO., LTD. of 129</u>, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677; Republic of Korea, (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor.

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America and all other countries, including all divisions, and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, and including rights of priority under the International Convention of Paris (1883) as amended, the laws of all foreign countries, and the laws of the United States including the right to claim priority under 35 USC 119 and the right to sue for past damages, and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we hereby agree that the assignee may apply for foreign Letters Patent on the invention and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee.

(Legalization not required for recordin	g but	is prima facte evidence of execution under 35 USC 261)	
As the below named inventor, I hereby	decta	ve that:	
This assignment with declaration is directed to:	82	The attached application, or	
The application is emitted:		United States Application or PCT International Application Numberon	filed
IMAGE SE	GME	NTATION METHOD AND ELECTRONIC DEVICE THEREFOR	
The above identified application was n	ade e	r was 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.	

4.5

I have reviewed and understand the contents of the application for which this assignment with declaration is being submitted.

I am aware of the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 CFR 1.56.

Thereby acknowledge that any willful false statement made in this assignment with declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

(Page 1)

PATENT REEL: 043749 FRAME: 0649

NAME OF SOLE OR FIRST INVENTOR:				
Given Name (first and middle [if any]) Yeongkyeong	Family Name or Surname SEONG			
Inventor's signature 2 L Quel	Date August 2, 2017			
Residence: Seoul, Republic of Korea				
Mailing Address: #405, 15, Samseong-ro 84-gil, Gangnam-gu, Scoul	, Republic of Korea			
NAME OF SECOND INVENTOR:				
Given Name (first and middle [if any]) Wonsik	Family Name or Surname KIM			
Inventor's signature	Date			
Residence: Gunpo-si, Republic of Korea				
Mailing Address: #213-410, 299, Sanbon-ro, Gunpo-si, Gyeonggi-do, Republic of Korea				

Docket No.: Q233456

SEC Ref.: CQ-201703-007-1-US0

Only After Sept 16, 2012

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Whereas, I/We, the undersigned inventor(s) hereinafter called assignor(s), have invented certain improvements described in the application identified below; and

Whereas, <u>SAMSUNG ELECTRONICS CO., LTD. of 129, Samsung-ro., Yeongtong-gu., Suwon-si., Gyeonggi-do., 16677</u>, Republic of Korea, (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor.

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America and all other countries, including all divisions, and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, and including rights of priority under the International Convention of Paris (1883) as amended, the laws of all foreign countries, and the laws of the United States including the right to claim priority under 35 USC 119 and the right to sue for past damages, and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we hereby agree that the assignee may apply for foreign Letters Patent on the invention and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee.

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As the below named inventor, I hereby	decla	re that:	A.
This assignment with declaration is directed to:	Ø	The attached application, or	
The application is entitled:		United States Application or PCT International Application Numberon	filed
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(Page 1)

PATENT REEL: 043749 FRAME: 0651

NAME OF SOLE OR FIRST INVENTOR:						
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Mailing Address: #405, 15, Samse	Mailing Address: #405, 15, Samseong-ro 84-gil, Gangnam-gu, Seoul, Republic of Korea					
NAME OF SECOND INVENTOR	5					
Given Name (first and middle [if any])	Wonsik		Family Name or Surname	KIM		
Inventor's signature	Wansik	Kim	Da	te August 2, 2017		
Residence: Gunpo-si, Republic of Korea						
Mailing Address: #213-410, 299, Sanbon-ro, Gunpo-si, Gyeonggi-do, Republic of Korea						

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