

PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
PIL-KYU PARK	07/26/2019
KWANG-PYO CHOI	07/26/2019
WOONG-IL CHOI	07/26/2019
MYUNG-HO KIM	07/26/2019
SUNG-CHAN KIM	08/13/2019
JEONG-HOON PARK	07/26/2019
HEE-CHUL YANG	07/26/2019
CHANG-HYUN LEE	07/26/2019
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:	16486077
CORRESPONDENCE DATA	
Fax Number:	(202)293-7860
<i>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.</i>	
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NAME OF SUBMITTER:	TIANA R. STEWART-TEAMS
SIGNATURE:	/Tiana R. Stewart/

PATENT

DATE SIGNED:	08/14/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 6 source=Q248560ExecCDA#page1.tif source=Q248560ExecCDA#page2.tif source=Q248560ExecCDA#page3.tif source=Q248560ExecCDA#page4.tif source=Q248560ExecCDA#page5.tif source=Q248560ExecCDA#page6.tif	

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

Whereas, We, the undersigned inventors hereinafter called assignors, have invented certain improvements described in the application identified below; and

Whereas, SAMSUNG ELECTRONICS CO., LTD. of 129, 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,

We, the above named assignors, 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 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 we hereby agree that the assignee may apply for foreign Letters Patent on the invention and 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 recording but is prima facie evidence of execution under 35 USC 261)

As the below named inventor, I hereby declare that:

This assignment with declaration is The attached application, or directed to:
 United States Application or PCT International Application Number PCT/KR2016/001743 filed on February 9, 2016.

The application is entitled:

METHOD AND DEVICE FOR PROVIDING CONTENT

The above identified application was made or 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.

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.

I hereby 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.

NAME OF SOLE OR FIRST INVENTOR:	
Given Name (first and middle [if any])	Pil-kyu
Family Name or Surname	PARK
Inventor's signature	Date 26. July. 2019
Residence: Seongnam-si, Republic of Korea	
Mailing Address: 407-1103, 80, Jeongjail-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, 13562, Republic of Korea	
NAME OF SECOND INVENTOR:	
Given Name (first and middle [if any])	Kwang-pyo
Family Name or Surname	CHOI
Inventor's signature	Date 26. July. 2019
Residence: Gwacheon-si, Republic of Korea	
Mailing Address: 303-401, 12, Byeoryang-ro, Gwacheon-si, Gyeonggi-do, 13835, Republic of Korea	
NAME OF THIRD INVENTOR:	
Given Name (first and middle [if any])	Woong-il
Family Name or Surname	CHOI
Inventor's signature	Date 26. July. 2019
Residence: Osan-si, Republic of Korea	
Mailing Address: 301, 80, Sucheong-ro, Osan-si, Gyeonggi-do, 18110, Republic of Korea	
NAME OF FOURTH INVENTOR:	
Given Name (first and middle [if any])	Myung-ho
Family Name or Surname	KIM
Inventor's signature	Date 26. Jul. 2019
Residence: Seoul, Republic of Korea	
Mailing Address: 201, 23-14, Baskjegobun-ro 45-gil, Songpa-gu, Seoul, 05622, Republic of Korea	
NAME OF FIFTH INVENTOR:	
Given Name (first and middle [if any])	Sung-chan
Family Name or Surname	KIM
Inventor's signature	Date
Residence: Suwon-si, Republic of Korea	
Mailing Address: 524-708, 165, Ingye-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16535, Republic of Korea	

NAME OF SIXTH INVENTOR:	
Given Name (first and middle [if any])	Jeong-hoon
Family Name or Surname	PARK
Inventor's signature	<i>[Signature]</i>
Date	26 Jul. 2019
Residence:	Seoul, Republic of Korea
Mailing Address:	505-204, 2343-10, Nambusunhwan-ro, Seocho-gu, Seoul, 06713, Republic of Korea
NAME OF SEVENTH INVENTOR:	
Given Name (first and middle [if any])	Hee-chul
Family Name or Surname	YANG
Inventor's signature	<i>[Signature]</i>
Date	26 Jul. 2019
Residence:	Seoul, Republic of Korea
Mailing Address:	701-314, 21, Sinnae-ro 14-gil, Jungnang-gu, Seoul, 02067, Republic of Korea
NAME OF EIGHTH INVENTOR:	
Given Name (first and middle [if any])	Chang-byun
Family Name or Surname	LEE
Inventor's signature	<i>Changhyun Lee</i>
Date	26 Jul. 2019
Residence:	Yongin-si, Republic of Korea
Mailing Address:	511-1501, 64, Dongcheon-ro, Suji-gu, Yongin-si, Gyeonggi-do, 16825, Republic of Korea

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

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

We, the above named assignors, 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 renewals 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 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 we hereby agree that the assignee may apply for foreign Letters Patent on the invention and 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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NAME OF SOLE OR FIRST INVENTOR:			
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Kwang-pyo		KIM	
Inventor's signature		Date	
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NAME OF THIRD INVENTOR:			
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Wong-il		KIM	
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NAME OF FOURTH INVENTOR:			
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Myung-he		KIM	
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NAME OF EIGHTH INVENTOR:

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