504601188 10/19/2017

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4647900

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HYUN-A SONG	09/12/2017
EUN-SEOK CHOI	09/12/2017
JIN-HYUK HONG	10/12/2017

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:	15787853

CORRESPONDENCE DATA

Fax Number: (202)293-7860

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

Phone: 202-293-7060

Email: creiter@sughrue.com, sughrue@sughrue.com

SUGHRUE MION, PLLC **Correspondent Name:**

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Address Line 4: WASHINGTON, D.C. 20037

ATTORNEY DOCKET NUMBER:	Q235093	
NAME OF SUBMITTER:	CRYSTABEL REITER - TEAMS DEPT.	
SIGNATURE:	/Crystabel Reiter/	
DATE SIGNED: 10/19/2017		
This document serves as an Oath/Declaration (37 CFR 1.63).		

Total Attachments: 4

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> **PATENT** REEL: 043901 FRAME: 0327

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PATENT REEL: 043901 FRAME: 0328

Docket No.: O235093 SEC Ref.: CF2016080221US0 Only After Sept 16, 2012

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 therefort

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	g but	is prima facie evidence of execution under 35 USC 261)	
As the below named inventor, I hereby	dech	ue thai:	
This assignment with declaration is directed to:	M	The attached application, or	
Silver of the second of the se		United States Application or PCT International Application Numberon	filed
The application is entitled:			

DISPLAY APPARATUS AND METHOD OF DISPLAYING CONTENT

The above identified application was made or was authorized to be made by rue.

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 faise statement made in this assignment with declaration is pumshable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

REEL: 043901 FRAME: 0329

NAME OF SOLE OR FIRST INVENTOR:				
Given Name (first and middle [if any]) Hym-a	Family Name or Surname SONG			
Inventor's signature Hywa Song-	Date 2019. 09. 12			
Residence: Suwon-si, Republic of Korea				
Mailing Address: 106-303, 289-1, Sinwon-ro, Veongtong-gu, Suwon	si, Gyeonggi-do, Republic of Kores			
NAME OF SECOND INVENTOR:				
Given Name (first and middle [if any]) Eun-scok	Family Name or Surname CHOI			
Inventor's signature <u> </u>	Daie 2019, 09, 12			
Residence: Suwon-si, Republic of Korea				
Mailing Address: 201-601, 45, Geumgok-ro, Gwonscon-gu, Suwon-si, Gyconggi-do, Republic of Korea				
NAME OF THIRD INVENTOR:				
Given Name (first and middle [if any]) - fin-hyuk	Family Name or Surname HONG			
inventor's signature	Date			
Residence: Seoul, Republic of Korea				
Mailing Address: 106-701, 348, Tongit-ro, Scodaemun-gu, Scoul, Republic of Korea				

PATENT REEL: 043901 FRAME: 0330

Docket No.: Q235093 SEC Ref.: CF2016080221US0 Only After Sept 16, 2012

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, <u>SAMSUNG ELECTRONICS CO.</u>, <u>LTD.</u> of 129, <u>Samsung-ro</u>, <u>Yeongtong-gu</u>, <u>Suwon-si</u>, <u>Gyeonggi-do</u>, <u>16677</u>, <u>Republic of Korea</u>, (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	g but	is prima facie evidence of execution under 35 USC 261)	
As the below named inventor, I hereby	decla	are that:	
This assignment with declaration is directed to:	Ø	The attached application, or	
		United States Application or PCT International Application Numberon	filed
The application is entitled:			

DISPLAY APPARATUS AND METHOD OF DISPLAYING 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.

PATENT REEL: 043901 FRAME: 0331

NAME OF SOLE OR FIRST INVENTOR:				
Given Name (first and middle [if any]) Hyun-a	Family Name or Surname SONG			
Inventor's signature	Date			
Residence: Suwon-si, Republic of Korea				
Mailing Address: 106-303, 289-1, Sinwon-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea				
NAME OF SECOND INVENTOR:				
Given Name (first and middle [if any]) Eun-seok	Family Name or Surname CHOI			
Inventor's signature	Date			
Residence: Suwon-si, Republic of Korea				
Mailing Address: 201-601, 45, Geumgok-ro, Gwonseon-gu, Suwon-si, Gyeonggi-do, Republic of Korea				
NAME OF THIRD INVENTOR:				
Given Name (first and middle [if any]) Jin-hyuk	Family Name or Surname HONG			
Inventor's signature	Date 20/7-/0-/2			
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Mailing Address: 106-701, 348, Tongil-ro, Seodaemun-gu, Seoul, Republic of Korea				

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RECORDED: 10/19/2017