506341695 11/06/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6388448

SUBMISSION TYPE:	RESUBMISSION
NATURE OF CONVEYANCE:	ASSIGNMENT
RESUBMIT DOCUMENT ID:	506176676

CONVEYING PARTY DATA

Name	Execution Date
YOUNG HO LEE	07/27/2020

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:	16965648

CORRESPONDENCE DATA

Fax Number: (202)293-7860

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.

Phone: 202-293-7060

Email: tyarborough@sughrue.com, sughrue@sughrue.com

Correspondent Name: SUGHRUE MION, PLLC

Address Line 1: 2000 PENNSYLVANIA AVENUE, N.W.

Address Line 2: SUITE 900

Address Line 4: WASHINGTON, D.C. 20006

ATTORNEY DOCKET NUMBER:	Q257116
NAME OF SUBMITTER:	TODD YARBOROUGH - TEAMS
SIGNATURE:	/Todd Yarborough/
DATE SIGNED:	11/06/2020
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 4

source=Q257116ExecutedAssignmentasrefiledpernotice#page1.tif source=Q257116ExecutedAssignmentasrefiledpernotice#page2.tif source=Q257116NoticeofNonRecordationOfAssignment#page1.tif

PATENT 506341695

REEL: 054304 FRAME: 0332

source = Q257116 Notice of NonRecordation Of Assignment #page 2.t if

PATENT REEL: 054304 FRAME: 0333

Docket No.:

Samsung Ref: CA-201709-024-1-US0

Only After Sept 16, 2012

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

Whereas, We, the undersigned inventors hereinatier 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, (assignce), 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 assigner, 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 facile evidence of execution under 35 USC 261)

As the below named inventor, I hereby	y decl	are that:
This assignment with declaration is		The attached application, or
directed to:	80	United States Application or PCT International Application Number PCT/KR2019/000669

The application is entitled:

DISPLAY APPARATUS AND CONTROLLING METHOD THEREOF

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.

filed on January 17, 2019.

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.

[Page 1]

PATENT REEL: 054304 FRAME: 0334

NAME OF SOLE OR FIRST I	NVENTOR:	
Given Name	\$5	P. 3. 3
(first and middle [if any])	Young Ho	Family Name or Surname LEE
Inventor's signature		pate July 27, 2020
Series Contraction of the Contra	2 ()	
Residence: Suwon-si, Repub	lic of Korea	
Mailing Address: 129, Samsu	ny-ro. Yeongtong-gu, Suwu	n-si, Gyeonggi-do 16677, Republic of Korea



UNITED STATES PATENT AND TRADEMARK OFFICE

Under Secretary of Commerce for Intellectual Property and Director of the United States Patent and Trademark Office

October 20, 2020

PTAS

SUGHRUE MION, PLLC 2000 PENNSYLVANIA AVENUE, N.W. SUITE 900 WASHINGTON, DC 20006



506176676

United States Patent and Trademark Office Notice of Non-Recordation of an Assignment Document

The enclosed document has been examined and found non-recordable by the Assignment Recordation Branch of the U.S. Patent and Trademark Office. The reason(s) for non-recordation are stated below:

1. The document submitted is not legible for recording purposes.

Documents being resubmitted for recordation must reflect the corrected information to be recorded, the Document ID number referenced above and all pages from this submitted document. The original date of filing of this assignment document will be maintained if resubmitted with the appropriate correction(s) by **Monday**, **December 21**, **2020**, as outlined under 37 CFR 3.51. The resubmitted document must include a stamp with the official date of receipt under 37 CFR 3. Applicants may use the certified procedures under 37 CFR 1.8 or 1.10 for resubmission of the returned papers if they desire to have the benefit of the date of deposit in the United States Postal Service.

To file the resubmission electronically, navigate to the EPAS website at http://epas.uspto.gov, click the Start Resubmission button and enter the following information:

Document ID: 506176676

Access Code: G8U2DTYSXNYLZK8

To file the resubmission in paper, send documents to: U.S. Patent and Trademark Office, Mail Stop: Assignment Recordation Branch, P.O. BOX 1450, Alexandria, VA 22313. If you have any questions regarding this notice, you may contact the Assignment Recordation Branch at 571-272-3350.

STEFANIE BRYCE ASSIGNMENT RECORDATION BRANCH PUBLIC RECORDS DIVISION

P.O. Box 1450, Alexandria, Virginia 22313-1450 - WWW.USPTO.GOV PATENT

REEL: 054304 FRAME: 0336

506176676 07/29/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6223414

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YOUNG HO LEE	07/27/2020

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:	16965648

CORRESPONDENCE DATA

Fax Number: (202)293-7860

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.

Phone: 202-293-7060

Email: tyarborough@sughrue.com, sughrue@sughrue.com

Correspondent Name: SUGHRUE MION, PLLC

Address Line 1: 2000 PENNSYLVANIA AVENUE, N.W.

Address Line 2: SUITE 900

Address Line 4: WASHINGTON, D.C. 20006

ATTORNEY DOCKET NUMBER:	Q257116
NAME OF SUBMITTER:	TODD YARBOROUGH - TEAMS
SIGNATURE:	/Todd Yarborough/
DATE SIGNED:	07/29/2020
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 2

source=Q257116ExecutedAssignmentandDeclaration#page1.tif source=Q257116ExecutedAssignmentandDeclaration#page2.tif

PATENT
RECORDED: 07/29/2020 REEL: 054304 FRAME: 0337