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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 EPAS ID: PAT6831643 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HAE-KWAN SEO	01/04/2021
TAEHOON KIM	01/04/2021

RECEIVING PARTY DATA

Name:	SAMSUNG DISPLAY CO., LTD.
Street Address:	1, SAMSUNG-RO, GIHEUNG-GU
City:	YONGIN-SI, GYEONGGI-DO
State/Country:	KOREA, REPUBLIC OF
Postal Code:	17113

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17206613

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	HAA0805US
NAME OF SUBMITTER:	JAMES J. MERRICK
SIGNATURE:	/James J. Merrick/
DATE SIGNED:	07/26/2021

Total Attachments: 2

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> **PATENT** REEL: 057044 FRAME: 0637 506784824

DECLARATION AND ASSIGNMENT

Title of Invention: DISPLAY DEVICE	
As a below named inventor, I hereby declare that:	
This declaration is directed to:	
[X] the attached application (Attorney Do	ocket Number HAA0805US), or
[] United States application or PCT inter	rnational application number -
The above-identified application was made or aut	horized to be made by me.
I believe that I am the original inventor or an orig the application.	inal joint inventor of a claimed invention in

I have reviewed and understand the contents of the application, including the claims.

I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR Section 1.56.

Whereas, each undersigned inventor has made certain inventions, improvements, and discoveries (herein referred to as the "INVENTION") disclosed in the above-identified patent application (herein referred to as the ("APPLICATION");

Whereas, Samsung Display Co., Ltd., a corporation of Country of Korea having a place of business at 1, Samsung-ro, Giheung-gu, Yongin-si, Gyeonggi-do, 17113, Republic of Korea (herein referred to as "ASSIGNEE"), desires to acquire, and each undersigned inventor desires to grant to ASSIGNEE, the entire worldwide right, title, and interest in and to the INVENTION and in and to any and all patent applications and patents directed thereto;

Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned inventor (herein referred to ASSIGNOR") hereby sells or has sold, assigns or has assigned, and otherwise transfers or has transferred to the ASSIGNEE, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the INVENTION, the APPLICATION, and any and all other patent applications and patents for the INVENTION which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisions, continuations, continuations-in-part, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In addition, each undersigned inventor hereby authorizes and requests the Director of the United States Patent and Trademark Office to issue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for the INVENTION, to ASSIGNEE, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the same to be held and enjoyed by ASSIGNEE,

SDC Ref No. LO-202002-297-1-USO Attorney Ref No. HAA0805US

COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM

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Page 2 of 3

0-6373820210104

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its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made; and each undersigned inventor agrees to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the INVENTION, the APPLICATION, and all related patents and applications, in ASSIGNEE, its successors, legal representatives, and assigns, whenever requested by ASSIGNEE, its successors, legal representatives, and assigns.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Legal Name o	f Inventor: HAE-I	CWAN SEO			
Signature:	HAEK	WAN SEO		Date:	4.1,2021
Legal Name of	f Inventor: TAEH	OON KIM			
Signature:	TAE HOX	N KIM	***************************************	Date:	4,1.2021

SDC Ref No.	LO-202002-297-1-US0	Attorney Ref No		HAA0805US	
COMBINED	DECLARATION (37 CFR 1.63) FOR UTILI	TY PATENT APPLICA	ATION AND	ASSIGNMENT FO	MAC
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	Page	3 of 3			

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RECORDED: 07/26/2021

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