

PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT7008952

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SHIH CHIAO	06/24/2021
JINWOO KIM	06/22/2021
TAO-JUNG HUNG	06/21/2021
CHULHO CHOI	06/22/2021
HAJOON SHIN	06/22/2021
MYUNGHO SEO	06/22/2021
YONGJOO SONG	06/22/2021
SHIH-HSIUNG KUO	06/28/2021
CHUI-HSUN CHIU	06/21/2021
JIA WEI CHEN	06/21/2021
CHAO HSUAN LIU	06/21/2021
YU-WEN CHIOU	06/21/2021

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17519724

CORRESPONDENCE DATA

Fax Number: (703)207-0003

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.

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PATENT

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ATTORNEY DOCKET NUMBER: 249/1322_00

NAME OF SUBMITTER: EUGENE M. LEE

SIGNATURE: /Eugene M. Lee/

DATE SIGNED: 11/05/2021

Total Attachments: 9

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SAMSUNG ELECTRONICS CO., LTD.

**COMBINED DECLARATION (37 CFR §1.63) FOR UTILITY PATENT APPLICATION
AND ASSIGNMENT FORM¹**

The undersigned acknowledges that this document is being used both as an assignment of the invention and as the declaration (37 CFR 1.63) for a Utility or Design Application.

WHEREAS, the undersigned, hereinafter referred to collectively as Assignor, has invented:

Title: **DISPLAY DRIVING INTEGRATED CIRCUIT AND DISPLAY DEVICE FOR
SHORT CIRCUIT DETECTION**

for which Assignor is about to make or has made United States or International application for patent.

WHEREAS, as a below named inventor(s), I/(we) hereby declare that:

Section I. Declaration

This declaration is directed to the attached U.S. non-provisional patent application, unless the following is marked:

- U.S. non-provisional patent application number _____, filed on _____, or
- PCT international patent application number _____, filed on _____
- as amended by the Preliminary Amendment attached hereto.
- as amended by the Preliminary Amendment filed on _____.

The above-identified application was made or authorized to be made by me (us).

I (we) believe that I am (we are) the original inventor (original joint inventors) of a claimed invention in the above-identified application.

I (we) 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.

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims (as amended by any amendment referred to above).

I acknowledge that I am aware of the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

¹ This form requires the use of an Application Data Sheet.

SEC Ref No. WN-202006-001-1-US0 Attorney Ref No. 249/1322 00

Section II. Assignment

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, the undersigned hereby sell(s) and assign(s) to

Samsung Electronics Co., Ltd.

having an address at 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do 16677, Republic of Korea (hereinafter designated as the Assignee), the entire (100%) right, title and interest for the United States as defined in 35 USC §100, in the invention described in the application identified in Section I of this document.

Assignor hereby confirms any prior assignment to Assignee, and to the extent that Assignor has not already done so, agrees to assign, and hereby does, sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and throughout the world, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the inventions as described in the aforesaid application, to the aforesaid application itself, and all divisions, continuations, continuations-in-part, or other applications claiming priority directly or indirectly from the aforesaid application, and any United States or foreign Letters Patent, utility model, or other similar rights which may be granted thereon, including reissues, reexaminations and extensions thereof, and all copyright rights throughout the world in the aforesaid application and the subject matter disclosed therein, these rights, title and interest to be held and enjoyed by Assignee to the full end of the term for which the Letters Patent, utility model, or other similar rights, are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and the right to sue for, and recover for past infringements of, or liabilities for, any of the rights relating to any of the applications, patents, utility models, or other similar rights, resulting therefrom, and the copyright rights;

Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, or other similar rights, and for copyright, in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to letters patent any reissue, re-examination, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee without further or other compensation than that above set forth;

Assignor hereby covenants that no assignment, sale, license, agreement or encumbrance has been or will be entered into which would conflict with this Assignment; and

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SAMSUNG ELECTRONICS CO., LTD.

Assignor hereby requests the United States Patent and Trademark Office to issue the Letters Patent of the United States of America to Assignee, and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue the Letters Patent, Utility Model Registration or other similar right to Assignee.

The undersigned hereby grant(s) the law firm of LEE IP LAW, P.C. the power to insert on this Declaration and Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

Section III. Inventor(s)/Assignor(s) Signature(s)

LEGAL NAME OF FIRST INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	HUANG	Shih Chiao	
SIGNATURE <u>Huang Shih chiao</u> DATE <u>2021.06.21</u>			

LEGAL NAME OF SECOND INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	KIM	Jinwoo	
SIGNATURE <u>KIM Jinwoo</u> DATE <u>2021.06.22</u>			

SEC Ref No. WN-202006-001-1-US0 Attorney Ref No. 249/1322 00

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

SAMSUNG ELECTRONICS CO., LTD.

LEGAL NAME OF THIRD INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	HUNG	Tao-Jung	
SIGNATURE <u>HUNG TAO-JUNG</u> DATE <u>2021.6.21</u>			

LEGAL NAME OF FOURTH INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	CHOI	Chulho	
SIGNATURE <u>CHOI chulho</u> DATE <u>2021.06.22</u>			

LEGAL NAME OF FIFTH INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	SHIN	Hajeon	
SIGNATURE <u>SHIN Hajeon</u> DATE <u>2021.06.22</u>			

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SAMSUNG ELECTRONICS CO., LTD.

LEGAL NAME OF SIXTH INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	SEO	Myungho	
SIGNATURE <u>SEO Myungho</u> DATE <u>2021.06.22</u>			

LEGAL NAME OF SEVENTH INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	SONG	Yongjoo	
SIGNATURE <u>SONG Yongjoo</u> DATE <u>2021.06.22</u>			

LEGAL NAME OF EIGHTH INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	KUO	Shih-Hsiung	
SIGNATURE _____ DATE _____			

SEC Ref No. WN-202006-001-1-US0 Attorney Ref No. 249/1323 00

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

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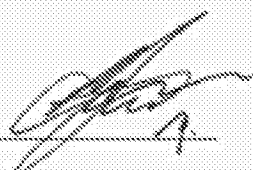
LEGAL NAME OF SIXTH INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	SEO	Myungho	
SIGNATURE		DATE	

LEGAL NAME OF SEVENTH INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	SONG	Yongjoo	
SIGNATURE		DATE	

LEGAL NAME OF EIGHTH INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	KUO	Shih-Huang	
SIGNATURE <i>Jason</i>		DATE <i>2021.08.28</i>	

SEC Ref No WN-202006-001-1-USO Attorney Ref No 249/1322-00

SAMSUNG ELECTRONICS CO., LTD.

LEGAL NAME OF NINTH INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	CHIU	Chui-Hsun	
SIGNATURE  DATE <u>June 21, 2007</u>			

LEGAL NAME OF TENTH INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	CHEN	Ja Wei	
SIGNATURE _____ DATE _____			

LEGAL NAME OF ELEVENTH INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	LIU	Chao Hsun	
SIGNATURE _____ DATE _____			

SEC Ref No. WN-202006-001-1-US0 Attorney Ref No. 249/1322 00

SAMSUNG ELECTRONICS CO., LTD.

LEGAL NAME OF NINTH INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	CHU	Chui-Hsun	
SIGNATURE _____ DATE _____			

LEGAL NAME OF TENTH INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	CHEN	Jia Wei	
SIGNATURE <u>Chen Jia Wei</u> DATE <u>2021.6.21</u>			

LEGAL NAME OF ELEVENTH INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	LIU	Chao Hsun	
SIGNATURE <u>Liu Chao Hsun</u> DATE <u>2021.6.21</u>			

SEC Ref No. WN-202006-001-1-US0 Attorney Ref No. 249/1322-09

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

LEGAL NAME OF TWELFTH INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	CHIOU	Yu-Wen	

SIGNATURE Chiou Yu Wen DATE 2021.6.21

SEC Ref No. 92-20296-001-1-150 Attorney Ref No. 149-1333-00

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