

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
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SUNGJIN ANN	07/29/2019
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WONCHUL HWANG	07/29/2019
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	29712854
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DATE SIGNED:	01/22/2020
Total Attachments: 2	
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DECLARATION AND ASSIGNMENT

Title of Invention: ELECTRONIC BOARD

As a below named inventor, I hereby declare that:

This declaration is directed to:

[X] the attached application (Attorney Docket Number SUN0991US), or

[] United States application or PCT international application number
..... filed on

The above-identified application was made or 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, 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"));

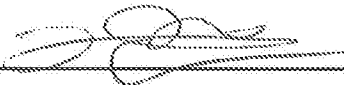
Whereas, Samsung Electronics Co., Ltd., a corporation of Country of Korea having a
place of business at 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of
Korea (herein referred to as "ASSIGNEE"), desires to acquire, and each undersigned inventor
desires to grant to ASSIGNEE, the 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, 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

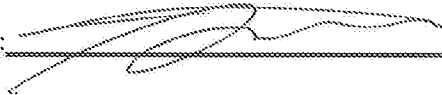
representatives, and assigns, whenever requested by ASSIGNEE, its successors, legal representatives, and assigns.

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 of Inventor: **Juwon CHO**

Signature:  Date: 2019.07.29

Legal Name of Inventor: **Sungjin ANN**

Signature:  Date: 2019.07.29

Legal Name of Inventor: **Youngsoo HONG**

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Legal Name of Inventor: **Wenchul HWANG**

Signature:  Date: 2019.07.29