

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT6278610

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
HYUNG-SUN LEE	09/09/2019
KANG-YOON LEE	09/05/2019
SUNG-HUN CHO	09/05/2019
GWAN-HYUNG KIM	09/09/2019
SANG-YUN KIM	09/05/2019
HO-CHUL RYU	09/05/2019
SANG-HO KIM	09/09/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SAMSUNG ELECTRONICS CO., LTD.
<b>Street Address:</b>	129, SAMSUNG-RO, YEONGTONG-GU
<b>City:</b>	SUWON-SI, GYEONGGI-DO
<b>State/Country:</b>	KOREA, REPUBLIC OF
<b>Postal Code:</b>	16677
<b>Name:</b>	RESEARCH & BUSINESS FOUNDATION SUNGKYUNKWAN UNIVERSITY
<b>Street Address:</b>	2066, SEOBU-RO, JANGAN-GU
<b>City:</b>	SUWON-SI, GYEONGGI-DO
<b>State/Country:</b>	KOREA, REPUBLIC OF
<b>Postal Code:</b>	16419
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16493057
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(703)816-4100
<i>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.</i>	
<b>Phone:</b>	7038164000
<b>Email:</b>	PTOMAIL@nixonvan.com
<b>Correspondent Name:</b>	MICHAEL J. SHEA/NIXON & VANDERHYE P.C.
<b>Address Line 1:</b>	901 N. GLEBE ROAD
<b>Address Line 2:</b>	11TH FLOOR

PATENT

<b>Address Line 4:</b> ARLINGTON, VIRGINIA 22203	
<b>ATTORNEY DOCKET NUMBER:</b>	MJS-6280-283
<b>NAME OF SUBMITTER:</b>	MICHAEL J. SHEA
<b>SIGNATURE:</b>	/Michael J. Shea/
<b>DATE SIGNED:</b>	09/01/2020
	This document serves as an Oath/Declaration (37 CFR 1.63).
<b>Total Attachments: 4</b> source=6280-283_DECLARATION_ASSIGNMENT#page1.tif source=6280-283_DECLARATION_ASSIGNMENT#page2.tif source=6280-283_DECLARATION_ASSIGNMENT#page3.tif source=6280-283_DECLARATION_ASSIGNMENT#page4.tif	

Document Description: Oath or declaration filed

Attorney Docket Number	MJS-6280-283
First Named Inventor	LEE

# **INVENTOR'S DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63) USING AN APPLICATION DATA SHEET (37 CFR 1.76)**

☒ Declaration Submitted With Initial Filing

OR

☐ Declaration Submitted After Initial Filing (surcharge (37 C.F.R. § 1.16(f)) required)

## **INPUT DEVICE, ELECTRONIC SYSTEM AND CONTROL METHOD THEREFOR**

(Title of the Invention)

As a below named inventor, I hereby declare that:

This declaration is directed to:

☐ The attached application,

OR

☒ United States Application Number or PCT International application number PCT/KR2018/001628  
filed on 2018-02-07.

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

I believe I am the original inventor or an original joint inventor of a claimed invention in the application.

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.

WHEREAS, the undersigned (hereinafter ASSIGNORS), have made an invention in the Application identified above.

WHEREAS, **Samsung Electronics Co., Ltd.**, a corporation having an office and place of business at 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677 Republic of Korea, and **Research & Business Foundation Sungkyunkwan University** a foundation having an office and place of business at 2066, Seobu-ro, Jangan-gu Suwon-si Gyeonggi-do 16419, Republic of Korea, (hereinafter ASSIGNEES), are desirous of acquiring an interest therein;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNORS by these presents hereby sell, assign, and transfer unto the said ASSIGNEES, their successors, assigns, and legal representatives, ASSIGNORS' entire right, title and interest in the United States of America and all foreign countries, in and to the invention as described in the aforesaid application, and to the said application and to all subsequent applications based thereon including any and all continuations, divisions, reissues, and substitutes of said application, and all resulting patents, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and the ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEES, for their interest as ASSIGNEES, their successors, assigns, and legal representatives. It is understood and agreed that ASSIGNEES' attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEES and will continue to represent only ASSIGNEES with respect to this invention;

ASSIGNORS hereby agree to transfer a like interest upon request of said ASSIGNEES, their successors, assigns, and legal representatives, and without further remuneration, in and to any improvements, and applications for patents based thereon, growing out of or related to the said invention;

ASSIGNORS hereby agree to execute any papers by ASSIGNEES, their successors, assigns, and legal representatives, deemed essential to ASSIGNEES' full protection and title in and to the invention hereby transferred; and

ASSIGNORS hereby agree, upon request of ASSIGNEES, and without further remuneration, to execute any and all papers desired by ASSIGNEES, for the filing and granting of foreign applications and the perfecting of title thereto in ASSIGNEES.

**AGREED and executed as noted below:**

LEGAL NAME OF SOLE OR FIRST INVENTOR:

(E.g., Given Name (first and middle (if any)) and Family Name or Surname)

Hyung-sun

LEE

Inventor's Signature

*Hyung Sun Lee*

Date:

9/9/2019

[6] Additional inventors are being named on the 1 supplemental sheet(s)

Note: PTO Rules state "A person may not execute an oath or declaration for an application unless that person has reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose to the Office all information known to the person to be material to patentability as defined in [37 CFR] §1.56 (Page 1 of 2)

**SUPPLEMENTAL SHEET FOR DECLARATION**

**ADDITIONAL INVENTOR(S)**  
Supplemental Sheet

(Page 2 of 2)

**Legal Name of Additional Joint Inventor, if any:**

(E.g., Given Name (first and middle (if any)) and Family Name or Surname)

Kang-yoon

LEE

Inventor's Signature:

Date:

**Legal Name of Additional Joint Inventor, if any:**

(E.g., Given Name (first and middle (if any)) and Family Name or Surname)

Sung-hun

CHO

Inventor's Signature:

Date:

**Legal Name of Additional Joint Inventor, if any:**

(E.g., Given Name (first and middle (if any)) and Family Name or Surname)

Gwan-hyung

KIM

Inventor's Signature:

*Gwan hyung Kim*

Date:

*2019. 9. 9*

**Legal Name of Additional Joint Inventor, if any:**

(E.g., Given Name (first and middle (if any)) and Family Name or Surname)

Sang-yun

KIM

Inventor's Signature:

Date:

**Legal Name of Additional Joint Inventor, if any:**

(E.g., Given Name (first and middle (if any)) and Family Name or Surname)

Ho-chul

RYU

Inventor's Signature:

Date:

**Legal Name of Additional Joint Inventor, if any:**

(E.g., Given Name (first and middle (if any)) and Family Name or Surname)

Sang-ho

KIM

Inventor's Signature:

*Sang ho Kim*

Date:

**September 9, 2019**

Document Description: Oath or declaration filed

Attorney Docket Number	MJS-6280-283
First Named Inventor	LEE

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WHEREAS, **Samsung Electronics Co., Ltd.**, a corporation having an office and place of business at **129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677 Republic of Korea**, and **Research & Business Foundation Sungkyunkwan University** a foundation having an office and place of business at **2066, Seobu-ro, Jangan-gu Suwon-si Gyeonggi-do 16419, Republic of Korea**, (hereinafter ASSIGNEES), are desirous of acquiring an interest therein;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNORS by these presents hereby sell, assign, and transfer unto the said ASSIGNEES, their successors, assigns, and legal representatives, ASSIGNORS' entire right, title and interest in the United States of America and all foreign countries, in and to the invention as described in the aforesaid application, and to the said application and to all subsequent applications based thereon including any and all continuations, divisions, reissues, and substitutes of said application, and all resulting patents, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and the ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEES, for their interest as ASSIGNEES, their successors, assigns, and legal representatives. It is understood and agreed that ASSIGNEES' attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEES and will continue to represent only ASSIGNEES with respect to this invention;

ASSIGNORS hereby agree to transfer a like interest upon request of said ASSIGNEES, their successors, assigns, and legal representatives, and without further remuneration, in and to any improvements, and applications for patents based thereon, growing out of or related to the said invention;

ASSIGNORS hereby agree to execute any papers by ASSIGNEES, their successors, assigns, and legal representatives, deemed essential to ASSIGNEES' full protection and title in and to the invention hereby transferred; and

ASSIGNORS hereby agree, upon request of ASSIGNEES, and without further remuneration, to execute any and all papers desired by ASSIGNEES, for the filing and granting of foreign applications and the perfecting of title thereto in ASSIGNEES.

### AGREED and executed as noted below:

#### LEGAL NAME OF SOLE OR FIRST INVENTOR:

(E.g., Given Name (first and middle (if any)) and Family Name or Surname)

Hyung-sun

LEE

Inventor's Signature

Date:

[6] Additional inventors are being named on the 1 supplemental sheet(s)

Note: PTO Rules state "A person may not execute an oath or declaration for an application unless that person has reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose to the Office all information known to the person to be material to patentability as defined in [37 CFR] §1.56 (Page 1 of 2)

<b>SUPPLEMENTAL SHEET FOR DECLARATION</b>	<b>ADDITIONAL INVENTOR(S)</b> Supplemental Sheet (Page 2 of 2)
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<b>Legal Name of Additional Joint Inventor, if any:</b> (E.g., Given Name (first and middle (if any)) and Family Name or Surname)	
Kang-yoon	LEE
Inventor's Signature: <i>Kang-Yoon Lee</i>	Date: <i>2019.09.05</i>
<b>Legal Name of Additional Joint Inventor, if any:</b> (E.g., Given Name (first and middle (if any)) and Family Name or Surname)	
Sung-hun	CHO
Inventor's Signature: <i>Sung hun CHO</i>	Date: <i>2019.09.05</i>
<b>Legal Name of Additional Joint Inventor, if any:</b> (E.g., Given Name (first and middle (if any)) and Family Name or Surname)	
Gwan-hyung	KIM
Inventor's Signature:	Date:
<b>Legal Name of Additional Joint Inventor, if any:</b> (E.g., Given Name (first and middle (if any)) and Family Name or Surname)	
Sang-yun	KIM
Inventor's Signature: <i>Sang-yun Kim</i>	Date: <i>2019-09.05</i>
<b>Legal Name of Additional Joint Inventor, if any:</b> (E.g., Given Name (first and middle (if any)) and Family Name or Surname)	
Ho-chul	RYU
Inventor's Signature: <i>Ho-chul Ryu</i>	Date: <i>2019-09.05</i>
<b>Legal Name of Additional Joint Inventor, if any:</b> (E.g., Given Name (first and middle (if any)) and Family Name or Surname)	
Sang-ho	KIM
Inventor's Signature:	Date: