

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
TAE SIK KIM	07/11/2017
MYUNG JAE JO	07/11/2017
HYE WON KANG	07/11/2017
JA MYEONG KOO	07/11/2017
MU JIN KIM	07/12/2017
JEONG WOON KOO	07/12/2017
DAE HEON KWON	07/12/2017
SEI NEU PARK	07/12/2017
WON HYUN PARK	07/12/2017
JAE YOUNG YUN	07/11/2017
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<b>Name:</b>	SAMSUNG ELECTRONICS CO., LTD.
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<b>City:</b>	SUWON-SI, GYEONGGI-DO
<b>State/Country:</b>	KOREA, REPUBLIC OF
<b>Postal Code:</b>	16677
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15650723
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<b>NAME OF SUBMITTER:</b>	PAMELA S. NEWTON
<b>SIGNATURE:</b>	/Pamela S. Newton/
<b>DATE SIGNED:</b>	07/14/2017
<b>Total Attachments: 3</b> source=OPSE-9241-US (SAMS13-09241) Assignment#page1.tif source=OPSE-9241-US (SAMS13-09241) Assignment#page2.tif source=OPSE-9241-US (SAMS13-09241) Assignment#page3.tif	

ASSIGNMENT

WHEREAS, We, Tae Sik Kim, resident of Suwon-si, Gyeonggi-do, Republic of Korea, citizen of Republic of Korea, Myung Jae Jo, resident of Gumi-si, Gyeongsangbuk-do, Republic of Korea, citizen of Republic of Korea, Hye Won Kang, resident of Yongin-si, Gyeonggi-do, Republic of Korea, citizen of Republic of Korea, Ja Myeong Koo, resident of Suwon-si, Gyeonggi-do, Republic of Korea, citizen of Republic of Korea, Mu Jin Kim, resident of Gumi-si, Gyeongsangbuk-do, Republic of Korea, citizen of Republic of Korea, Jeong Woon Koo, resident of Daegu, Republic of Korea, citizen of Republic of Korea, Dae Heon Kwon, resident of Gumi-si, Gyeongsangbuk-do, Republic of Korea, citizen of Republic of Korea, Sei Neu Park, resident of Gumi-si, Gyeongsangbuk-do, Republic of Korea, citizen of Republic of Korea, Won Hyun Park, resident of Daegu, Republic of Korea, citizen of Republic of Korea, and Jae Young Yun, resident of Gumi-si, Gyeongsangbuk-do, Republic of Korea, citizen of Republic of Korea, have invented certain new and useful improvements in a **"INPUT MODULE WIRING STRUCTURE OF ELECTRONIC DEVICE"** disclosed in an application for United States Letters Patent (Application Serial No. \_\_\_\_/\_\_\_\_\_, filed on \_\_\_\_\_, said application having been executed concurrently herewith;

WHEREAS, SAMSUNG ELECTRONICS CO., LTD, a corporation organized under the laws of the Republic of Korea, having a place of business at 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring our entire right, title and interest in and to the invention, and in and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right, title and interest in and to said invention and in and to said application and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, continuations-in-part and extensions thereof; We authorize William A. Munck of Munck Wilson Mandala, LLP to insert in the parenthesis above the application number and filing date of said application when known; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as our interest is concerned, to the said ASSIGNEE of our entire right, title and interest.

We also hereby sell and assign to said ASSIGNEE, its successors, assigns and legal representatives the full and exclusive rights, title and interest to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world including all rights of priority, all rights to publish cautionary notices reserving ownership of said

invention and all rights to register said invention in appropriate registries; and we further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such rights, title and interest in ASSIGNEE, its successors, assigns and legal representatives.

We hereby further agree that we will communicate to said ASSIGNEE, or to its successors, assigns and legal representatives, any facts known to us respecting any improvements; and, at the expense of said ASSIGNEE, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, and make all lawful oaths, and generally do everything possible to vest title in said ASSIGNEE and to aid said ASSIGNEE, its successors, assigns and legal representatives to obtain and enforce proper protection for said invention in all countries.

Date: July 11, 2017

Kim Tae Sik  
Tae Sik Kim

Date: July 11, 2017

Myung-Jae Jo  
Myung Jae Jo

Date: July 11, 2017

Kang Hye Won  
Hye Won Kang

Date: July 11, 2017

Koo Jim  
Ja Myeong Koo

Date: July 12, 2017

Mu Jin Kim  
Mu Jin Kim

Date: July 12, 2017

Jeong Woon Koo  
Jeong Woon Koo

Date: July 12, 2017

dae heon, Kwon  
Dae Heon Kwon

Date: July 12, 2017

Sei Neu Park  
Sei Neu Park

Date: July 12. 2017

Won Hyun Park  
Won Hyun Park

Date: 2017. 7. 11 July. 11. 2017

Jae Young Yun  
Jae Young Yun