## 504990230 07/05/2018

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
KUO CHENG CHEN	06/25/2018
SE HYUN PARK	06/19/2018
TAE YOUNG KIM	06/20/2018
AHMED HUSSAIN	06/20/2018
IGOR SHCHERBATKO	06/20/2018
JE HUN JONG	06/19/2018
JIN WOO JUNG	06/19/2018
JAE HOON JO	06/19/2018

## **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:	16022023

#### **CORRESPONDENCE DATA**

**Fax Number:** (516)228-8475

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ATTORNEY DOCKET NUMBER:	2191-244
NAME OF SUBMITTER:	PAUL J. FARRELL
SIGNATURE:	/pif/

504990230 PATENT REEL: 046270 FRAME: 0541

DATE SIGNED:	07/05/2018
Total Attachments: 4	
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source=Assignment#page4.tif	

PATENT REEL: 046270 FRAME: 0542 Client Ref.: 2018-OPSE-1112/US (GM-201702-067-1-US0)

#### **ASSIGNMENT**

AS A BELOW NAMED INVENTOR, I, and each of us, individually hereby declare that: IN CONSIDERATION of the sum of TEN (\$10.00) dollars or the equivalent thereof, and other good and valuable consideration, the receipt of which from the hereinafter named Assignee is hereby acknowledged, I do hereby sell, assign and forever grant and convey unto:

ASSIGNEE: Samsung Electronics Co., Ltd.

ADDRESS: 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea

Who is my Assignee, and to the successes and assigns of my Assignee, all my right, title and interest, in and for the United States of America and all other countries, including all rights of priority, in and to the invention entitled:

#### TITLE: ANTENNA DEVICE AND ELECTRONIC DEVICE COMPRISING ANTENNA

invented by me (if only one inventor is named below) or us (if more than one inventor is named below) and described in an application for a United States patent the specification of which is either attached hereto or otherwise accompanies this Assignment or indicates an attorney docket no. <u>2191-244</u>, or is more particularly identified as:

X	executed on even date herewith, or
0	Serial No. $\frac{16/022,023}{}$ filled in the U.S. Patent & Trademark Office on $\frac{6/28/2018}{}$ , or
0	executed on,

and in and to all United States patents which may be granted thereon and therefore, and in and to all certificates of corrections, divisions, continuations, continuations-in-part, reissued and re-examined patents, and to any extensions thereof, said interest being the entire ownership of the patent when granted, to be held and enjoyed by said SAMSUNG ELECTRONICS CO., LTD., my Assignee, its successors, assigns or other legal representatives, to the full end of the term, terms, or any extension or renewal thereof, for which said patent or patents may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment, sale and conveyance had not been made;

AND I hereby covenant and agree to sign and execute any further documents or instruments which may from time-to-time be either necessary, lawful, proper or requested by the Assignee, in the prosecution of the above-named application or in the preparation and prosecution of any certificate of correction, division, continuation, continuation-in-part, reissue, re-examination, in any amendment, extension, or interference proceeding, whether administrative or judicial, or otherwise, to secure the title hereto in said Assignee;

AND I do hereby authorize and request the Commissioner of Patents and Trademarks to issue said Patent or Patents to the Assignee, and I hereby appoint as my, or our attorney, and authorize and request <u>Paul J. Farrell, Reg. No. 33,494</u>, to insert on this Assignment any further identification or to complete such identification which may be either necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

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And I further covenant that ASSIGNEE will, upon its request, be provided promptly with all perinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, illigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I and we have set our hands and seals on the dates written beside my and our respective names:

INVENTOR(S)	<u>Date Signed</u>	<u>Witness(es)</u>
1) <u>Live Chang Chan</u> Kup Chang GHEN	. (Seal) <u>≯⊅18.06.7\$</u> 	
2) Se Hyun PARK	(Seal)	
3) Tae Young KIM	(Seal)	
4) Ahmed HUSSAIN	(Seal)	
5) Igor SHCHERBATKO	(Seal)	
6) Je Hun JONG	(Seal)	
7) Jin Woo JUNG	(Seal)	
8) Jae Hoon JO	(Seal)	

PATENT REEL: 046270 FRAME: 0544 Client Ref.: 2018-OPSE-1112/US (GM-201702-067-1-US0)

#### **ASSIGNMENT**

AS A BELOW NAMED INVENTOR, I, and each of us, individually hereby declare that: IN CONSIDERATION of the sum of TEN (\$10.00) dollars or the equivalent thereof, and other good and valuable consideration, the receipt of which from the hereinafter named Assignee is hereby acknowledged, I do hereby sell, assign and forever grant and convey unto:

ASSIGNEE: Samsung Electronics Co., Ltd.

ADDRESS: 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea

Who is my Assignee, and to the successes and assigns of my Assignee, all my right, title and interest, in and for the United States of America and all other countries, including all rights of priority, in and to the invention entitled:

#### TITLE: ANTENNA DEVICE AND ELECTRONIC DEVICE COMPRISING ANTENNA

invented by me (if only one inventor is named below) or us (if more than one inventor is named below) and described in an application for a United States patent the specification of which is either attached hereto or otherwise accompanies this Assignment or indicates an attorney docket no. <u>2191-244</u>, or is more particularly identified as:

X	executed on even date herewith, or		
0	Serial No. $\frac{16/022,023}{}$ filed in the U.S. Patent & Trademark Office on $\frac{6/28/2018}{}$ , or		
	executed on		

and in and to all United States patents which may be granted thereon and therefore, and in and to all certificates of corrections, divisions, continuations, continuations-in-part, reissued and re-examined patents, and to any extensions thereof, said interest being the entire ownership of the patent when granted, to be held and enjoyed by said SAMSUNG ELECTRONICS CO., LTD., my Assignee, its successors, assigns or other legal representatives, to the full end of the term, terms, or any extension or renewal thereof, for which said patent or patents may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment, sale and conveyance had not been made;

AND I hereby covenant and agree to sign and execute any further documents or instruments which may from time-to-time be either necessary, lawful, proper or requested by the Assignee, in the prosecution of the above-named application or in the preparation and prosecution of any certificate of correction, division, continuation, continuation-in-part, reissue, re-examination, in any amendment, extension, or interference proceeding, whether administrative or judicial, or otherwise, to secure the title hereto in said Assignee;

AND I do hereby authorize and request the Commissioner of Patents and Trademarks to issue said Patent or Patents to the Assignee, and I hereby appoint as my, or our attorney, and authorize and request <u>Paul J. Farrell, Reg. No. 33,494</u>, to insert on this Assignment any further identification or to complete such identification which may be either necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Page 1 of 2

And I further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I and we have set our hands and seals on the dates written beside my and our respective names:

INVENTOR(S)	<b>Date Signed</b>	Witness(es)
1) Kuo Cheng CHEN	(Seal)	
2) Selyjun Patic Se Hyun PARK	(Seal) Jun.19, 201	
3) The young Kim Tae Young KIM	(Seal) Jun. 20, 20/	
4) Ahmed Hussain Ahmed HUSSAIN	(Seal) Jun 20, 2018	
Bojon,  S)  Igor SHCHERBATKO	(Seal) June 20, 2018	
6) Jehm Jong Je Hun JONG	(Seal) <u>Sun 19.20</u> /8	
7) <u>Jinwoo Jung</u> Jin Woo JUNG	(Seal) Jun. 19, 2013	
8) Jeekoon Jo Jae Hoon JO	(Seal) <u>In 19.2011</u>	

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