

## PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

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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>
YOONGEON KIM	04/29/2020
SEUNGTAE KO	04/29/2020
HYUNJIN KIM	04/29/2020
JUNSIG KUM	04/29/2020
YOUNGJU LEE	04/29/2020
<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>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16766054
<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>	703-816-4000
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<b>Correspondent Name:</b>	NIXON & VANDERHYE PC / SAMSUNG
<b>Address Line 1:</b>	901 N. GLEBE RD., 11TH FLOOR
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<b>ATTORNEY DOCKET NUMBER:</b>	MJS-912-299
<b>NAME OF SUBMITTER:</b>	MICHAEL J. SHEA
<b>SIGNATURE:</b>	/Michael J. Shea/
<b>DATE SIGNED:</b>	05/21/2020
This document serves as an Oath/Declaration (37 CFR 1.63).	
<b>Total Attachments: 2</b>	

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Document Description: Oath or declaration filed

Attorney Docket Number	MJS-912-299
First Named Inventor	KIM

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

**BEAMFORMING ANTENNA MODULE COMPRISING LENS**

*(Title of the Application)*

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/KR2018/014203

filed on 2018-11-19

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 ASSIGNOR), has made an invention in the application identified above.

WHEREAS, **Samsung Electronics Co., Ltd.** (hereinafter ASSIGNEE), a corporation having an office and place of business at **129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677 Republic of Korea**, is desirous of acquiring an interest therein;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR by these presents hereby sells, assigns, and transfers unto the said ASSIGNEE, its successors, assigns, and legal representatives, ASSIGNOR'S 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 ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns, and legal representatives. It is understood and agreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention;

ASSIGNOR hereby agrees to transfer a like interest upon request of said ASSIGNEE, its 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;

ASSIGNOR hereby agrees to execute any papers by ASSIGNEE, its successors, assigns, and legal representatives, deemed essential to ASSIGNEE'S full protection and title in and to the invention hereby transferred; and

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

ASSIGNOR hereby authorizes and requests ASSIGNEE'S attorney(s), Nixon & Vanderhye PC, of Customer Number 130936, to insert here in parentheses ( ) the filing date and application number of said application when known.

**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)

Yoongeon

KIM

Inventor's Signature:

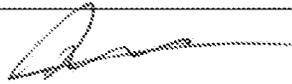
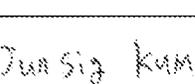
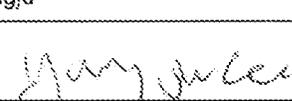


Date:

4, 29, 2020

[4] Additional inventor(s) named on 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

SUPPLEMENTAL SHEET FOR DECLARATION	ADDITIONAL INVENTOR(S) Supplemental Sheet (Page 2 of 2)
<b>Legal Name of Additional Joint Inventor, if any:</b>	
(E.g., Given Name (first and middle (if any)) and Family Name or Surname)	
Seungtae	KO
Inventor's Signature: 	Date: 4, 29, 2020
<b>Legal Name of Additional Joint Inventor, if any:</b>	
(E.g., Given Name (first and middle (if any)) and Family Name or Surname)	
Hyunjin	KIM
Inventor's Signature: 	Date: 4, 29, 2020
<b>Legal Name of Additional Joint Inventor, if any:</b>	
(E.g., Given Name (first and middle (if any)) and Family Name or Surname)	
Junsig	KUM
Inventor's Signature: 	Date: 4, 29, 2020
<b>Legal Name of Additional Joint Inventor, if any:</b>	
(E.g., Given Name (first and middle (if any)) and Family Name or Surname)	
Youngju	LEE
Inventor's Signature: 	Date: 4, 29, 2020