# 506854187 09/03/2021

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6901008

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
TAE HEUNG LIM	08/31/2021
BYUNG-JUN JANG	08/31/2021
HOSUNG CHOO	08/31/2021

## **RECEIVING PARTY DATA**

Name:	HONGIK UNIVERSITY INDUSTRY-ACADEMIA COOPERATION FOUNDATION
Street Address:	94, WAUSAN-RO, MAPO-GU
City:	SEOUL
State/Country:	KOREA, REPUBLIC OF
Postal Code:	04066
Name:	KOOKMIN UNIVERSITY INDUSTRY ACADEMY COOPERATION FOUNDATION
Street Address:	77, JEONGNEUNG-RO, SEONGBUK-GU
City:	SEOUL
State/Country:	KOREA, REPUBLIC OF
Postal Code:	02707

## **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	17466709

## **CORRESPONDENCE DATA**

Fax Number:

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.

**Phone:** 202-293-0804

Email: usdocketing@jeffersonip.com
Correspondent Name: JEFFERSON IP LAW, LLP

Address Line 1: 1130 CONNECTICUT AVE., NW, SUITE 420

Address Line 4: WASHINGTON, D.C. 20036

ATTORNEY DOCKET NUMBER: 0202-1824

NAME OF SUBMITTER: JOSHUA H. SGUEO

SIGNATURE:	/Joshua H. SGUEO/	
DATE SIGNED:	09/03/2021	
Total Attachments: 8		
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source=0202-1824AssignmentAsFiled#page8.tif		

RECORDATION FORM COVER SHEET				
PATENTS ONLY				
To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.				
1. Name of conveying party(ies)	2. Name and address of receiving party(ies)			
1) Tae Heung LIM, 2) Byung-Jun JANG, and 3) Hosung CHOO	Name: Hongik University Industry-Academia Cooperation Founda			
	Internal Address:			
Additional name(s) of conveying party(ies) attached? Yes V No				
3. Nature of conveyance/Execution Date(s):	Street Address: 94, Wausan-ro, Mapo-gu			
Execution Date(s) 08/31/2021				
Assignment Merger				
Security Agreement Change of Name	City: Seoul			
Joint Research Agreement	State:			
Government Interest Assignment	Country: Republic of Korea Zip:04066			
Executive Order 9424, Confirmatory License	ZIP. 04000			
Other	Additional name(s) & address(es) attached? Yes No			
Additional numbers at	ached? Yes No			
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: One			
Name: Jefferson IP Law, LLP	7. Total fee (37 CFR 1.21(h) & 3.41) \$			
Internal Address: Joshua H. Sgueo	Authorized to be charged by credit card			
	Authorized to be charged to deposit account			
Street Address: 1130 Connecticut Ave., NW, Suite 420	Enclosed			
	None required (government interest not affecting title)			
City: Washington	8. Payment Information			
State: District of Columbia Zip:20036	a. Credit Card Last 4 Numbers Expiration Date			
Phone Number: 202-293-0804				
Fax Number: 202-403-3587	b. Deposit Account Number			
Email Address: usdocketing@jeffersonip.com	Authorized User Name			
9. Signature:				
/Joshua H. SGUEO/ Reg. #	57,154 September 3, 2021 Date			
	Total number of pages including cover sheet, attachments, and documents:			

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

Page 2 Recordation of assignment

Additional name and address of receiving parties:

Name: **Kookmin University Industry Academy Cooperation Foundation**Address: 77, Jeongneung-ro, Seongbuk-gu, Seoul, 02707, Republic of Korea

# <u> Assignment</u>

WHEREAS, the following inventors, namely 1) Tac Heung LIM, 2) Byung-Jun JANG, and 3) Hosung CHOO (hereinafter called "Assignors"), having made or discovered certain new, useful and non-obvious improvements in an invention having a working title of:

# ARRAY ANTENNA INCLUDING MULTIPLE POLARIZATION PORTS AND ELECTRONIC DEVICE INCLUDING SAME.

for which a United States Patent Application is being filed concurrently herewith or, if not being concurrently filed, was filed on <u>September 3, 2021</u>, and assigned Serial No. <u>17/466,709</u>; and,

WHEREAS, Hongik University Industry-Academia Cooperation Foundation, a corporation duly organized under the laws of the Republic of Korea, located and doing business at 94, Wausan-ro, Mapo-gu, Seoul, Republic of Korea, 04066 and Kookmin University Industry Academy Cooperation Foundation, a corporation duly organized under the laws of the Republic of Korea, located and doing business at 77, Jeongneung-ro, Seongbuk-gu, Seoul, Republic of Korea, 02707 (hereinafter called "Assignees"), are desirous of acquiring the entire right, title and interest therein;

NOW, THEREFORE, BE IT KNOWN that for and in good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignors do hereby sell, assign and transfer unto said Assignees the entire and exclusive worldwide right, title and interest in and to all said inventions and discoveries disclosed in said application, and in and to said application, any and all substitutions, divisions, provisionals, conversions of provisionals and continuations thereof, and in and to all Letters Patent, United States and all other foreign countries, that may be granted for said inventions and discoveries, and in and to all extensions, renewals and reissues thereof; and the right to file any other foreign country application and/or claim priority under the provisions of any international treaty or convention arising from this application or any divisional, continuing, substitute or reissue application therefrom. The aforesaid assignment includes the right in and to all income, royalties, damages and payments. now or hereafter due or payable with respect to any Letters Patent which may be granted, and in and to all causes of action (either in law or in equity), and the right to sue, counterclaim, and recover for past, present and future infringement of the rights assigned or to be assigned under this Assignment, as fully and entirely as the same would have been held and enjoyed by Assignors if this sale, assignment and transfer had not been made.

Assignors covenant and agree, without further compensation to said Assignors but at Assignees' expense:

### a. to execute:

- all papers to be used in connection with this application and any divisional, continuing, substitute or reissue application thereof, as the Assignees may deem necessary or expedient, and
- all papers in connection with any interference, litigation, mediation, arbitration or other proceeding relating to this application or any divisional, continuing, substitute or reissue application thereof, as may be necessary or expedient;

- b. to cooperate with the Assignees in every way possible in obtaining evidence and going forward in any interference, litigation, mediation, arbitration or other proceeding relating to said invention, said application and any divisional, continuing, substitute or reissue application thereof;
- c. to communicate to the Assignees any facts relating to said invention, said application and any divisional, continuing, substitute or reissue application thereof, including evidence for any interference, litigation, mediation, arbitration or other proceeding relating to said invention, whenever requested;
- d. to testify in any interference, litigation, mediation, arbitration or other proceeding relating to said invention, said application and any divisional, continuing, substitute or reissue application thereof whenever requested; and
- c. to perform all other affirmative acts which may be necessary or desirable to secure full and complete protection of the inventions and discoveries or that may be necessary or desirable to vest in Assignees the complete title to the inventions and discoveries and Letters Patent hereby conveyed and to enable Assignees to record title.

Assignors hereby authorize and request the United States Patent and Trademark Office or any other issuing authority to issue any and all Letters Patent that may be granted upon this invention and/or this application or any divisional, continuing, substitute or reissue application thereof to the Assignees, its legal representatives, successors and assigns.

Assignors each hereby represents, covenants and warrants that he or she has the full right to convey the entire right, title and interest by this instrument, free of any encumbrances and that no other agreement has been or will be executed in conflict herewith.

The provisions of this Assignment are binding upon Assignors' heirs, legal representatives and/or administrators and assigns.

Assignors hereby grant to the law firm of Jefferson IP Law, LLP of Washington, DC and its attorneys and agents as associated with Customer No. 68103 the authority and power to insert on this instrument any further identification which may be necessary or desirable for purposes of recordation in the United States Patent and Trademark Office or a Patent Office of any foreign country.

Hosung CHOO

DOCKET NO.: 0202-1824 CLIENT REF.: KP21004-US

Date

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- to cooperate with the Assignees in every way possible in obtaining evidence and going forward in any interference, litigation, mediation, arbitration or other proceeding relating to said invention, said application and any divisional, continuing, substitute or reissue application thereof;
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Signature of Inventor:

Tac Heung LIM

Date

Signature of Inventor:

Byung-Jun JANG

Date

Hosung CHOO

Date

3

DOCKET NO.: 0202-1824 CLIENT REF.: KP21004-US