

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SANG-YEON CHO	05/01/2021
WEIMIN ZHOU	04/30/2021
RECEIVING PARTY DATA	
Name:	THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY OF THE ARMY
Street Address:	101 ARMY PENTAGON
City:	WASHINGTON
State/Country:	D.C.
Postal Code:	20310
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17308082
CORRESPONDENCE DATA	
Fax Number:	(301)394-3972
<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>	
Phone:	301-394-1774
Email:	nadine.l.loman.civ@mail.mil
Correspondent Name:	NADINE L. LOMAN
Address Line 1:	2800 POWDER MILL ROAD
Address Line 2:	U.S. ARMY DEVCOM - ARMY RESEARCH LABORATORY
Address Line 4:	ADELPHI, MARYLAND 20783
ATTORNEY DOCKET NUMBER:	ARL 20-16
NAME OF SUBMITTER:	NADINE L. LOMAN
SIGNATURE:	/Nadine L. Loman/
DATE SIGNED:	07/08/2021
Total Attachments: 2	
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ASSIGNMENT AND AGREEMENT

Title of Invention: TRUE-TIME-DELAY CIRCUIT BASED ON AN OPTICAL WAVEGUIDE SWITCHING
ARRAY FOR RF PHASED ARRAY ANTENNA BEAM STEERING

Inventor(s): Sang-Yeon Cho, Weimin Zhou

Date Declaration Executed: 5/1/21, 4/30/21

*Application Serial No.: 17/308,082 *Filing Date: 5/5/2021 Docket No.: **ARL 20-16**
*(*I (We) herby authorize the application serial number and filing date of said application be added when known.)*

I, the undersigned inventor, in consideration of the rights of the Government of the United States acquired by virtue of circumstances under which the above-identified invention was made, hereby:

1. Assign to the Government of the United States, as represented by the Secretary of the Army, my entire right, title, and interest throughout the United States, its Territories, Possessions, and Puerto Rico, in and to the above-entitled invention and application for patent and all Letters Patent issuing thereon, and any continuation or division of said application and any reissue or extension of said Letters Patent.

2. Agree to assign to the Government upon its request, title and interest in the invention in those foreign countries in which the Government, within eight months of the filing of the United States application for patent, determines to cause an application to be filed; provided that if the Government determines not to cause an application to be filed in any particular foreign country or fails to make such a determination, within the said eight months, all right, title and interest in the invention in such foreign country shall remain in me, subject to a nonexclusive, irrevocable, royalty-free license to the Government in any patent in which may issue on the invention in such foreign country, including the power to issue sublicenses for use in behalf of the Government and/or furtherance of the foreign policies of the Government.

3. Agree to provide any further information within my knowledge and to execute any further documents necessary to the prosecution of patent applications on the invention, the prosecution and settlement of interferences and recording of title to patent applications and patents issuing thereon.

Signature of Inventor: _____

(First name) (Middle Initial) (Last Name)

CHO.SANG.YEON.1367461892
Digitally signed by CHO.SANG.YEON.1367461892
Date: 2021.05.01 08:58:44 -0400

Duty Address: Army Research Laboratory, Adelphi, (Locality)	Montgomery (County)	Maryland (State)
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Date: 5/1/2021 Typed name of Inventor: **Sang-Yeon Cho**

State of: _____) SS.
County of: _____) [place where acknowledgement is taken]

On the above date _____ known to me to be the individual described in and who executed the foregoing instrument duly appeared before me and acknowledged to me that the same as his own free act and deed. In witness whereof I hereunto set my hand and official seal.

(Printed or typewritten name of notary public)

(Signature of notary public)

My Commission expires on _____

(SEAL)

Digitally signed by
ZHOU.WEIMIN.1228726610
Date: 2021.04.30 14:33:28 -04'00'

ZHOU.WEIMIN.122
8726610



Signature of Inventor: _____
(First name) (Middle Initial) (Last Name)

Duty Address: Army Research Laboratory, Adelphi, Montgomery Maryland
(Locality) (County) (State)

Date: 04/30/2021 Typed name of Inventor: **Weimin Zhou**

******(notarizing preferred)******

State of: _____) SS.

County of: _____) *[place where acknowledgement is taken]*

On the above date _____ known to me to be the individual described in and who executed the foregoing instrument duly appeared before me and acknowledged to me that the same as his own free act and deed. In witness whereof I hereunto set my hand and official seal.

(Printed or typewritten name of notary public)

(Signature of notary public)

My Commission expires on _____

(SEAL)