

## 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>
THEODORE RAPPAPORT	12/10/2018
GEORGE R. MACCARTNEY	12/10/2018
<b>RECEIVING PARTY DATA</b>	
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<b>City:</b>	NEW YORK
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15553781
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(212)309-1100
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<b>Correspondent Name:</b>	HUNTON ANDREWS KURTH LLP ATTENTION: INT
<b>Address Line 1:</b>	200 PARK AVENUE
<b>Address Line 4:</b>	NEW YORK, NEW YORK 10016
<b>ATTORNEY DOCKET NUMBER:</b>	300083WOUS01-32882-270662
<b>NAME OF SUBMITTER:</b>	GARY ABELEV
<b>SIGNATURE:</b>	/s/ Gary Abelev
<b>DATE SIGNED:</b>	02/25/2019
<b>Total Attachments: 4</b>	
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source=32882-270662Assignment#page2.tif	
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source=32882-270662Assignment#page4.tif	

ASSIGNMENT

I, THEODORE RAPPAFORT; a citizen of USA, residing at P.O. Box 888, Riner, VA 24149; and

I, GEORGE R. MACCARTNEY; a citizen of United States of America; residing at 1735 Hillcrest Lane, Aston, PA 19014;

each of us, if more than one person is identified above (hereinafter "ASSIGNOR") in consideration of the sum of Ten Dollars (\$10.00), or the equivalent thereof, and other good and valuable consideration, the sufficiency of which and receipt of which are hereby acknowledged, paid to ASSIGNOR by

NEW YORK UNIVERSITY

a University organized under the laws of New York, having its principal place of business at 70 Washington Square South, New York, New York 10012, UNITED STATES OF AMERICA (hereinafter "ASSIGNEE"), do hereby sell and assign to said ASSIGNEE, its successors and assigns, effective as of August 25, 2017 the below indicated right, title, and interest, in and for the United States of America and throughout the world, in and to my Invention entitled:

**SYSTEMS, METHODS, AND COMPUTER-ACCESSIBLE MEDIA FOR MEASURING OR MODELING A WIDEBAND, MILLIMETER-WAVE CHANNEL AND METHODS AND SYSTEMS FOR CALIBRATING SAME**

invented by me and described in U.S. National Phase Patent Application No. 15/553,781 filed on August 25, 2017, in the United States of America; and all patents, divisions, reissues, continuations and any extensions thereof and rights of priority therein, including the right to sue for past infringement and any such recovery, said interest being my entire ownership interest in the same, to be held and enjoyed by said ASSIGNEE, its successors, assigns, or other legal representatives, to the full end of the term thereof, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not been made, including all rights of Assignor to recover for past infringement thereof;

And for the consideration aforesaid, I hereby covenant and agree to and with said ASSIGNEE, its successors and assigns, that whenever ASSIGNEE, its counsel or representative, or the counsel or representative of its successors or assigns, shall advise that an amendment to, or a division of, or any other proceeding or action in connection with an application concerning said Invention, including interference proceedings, is lawful and desirable, or that a reissue or continuation or extension of such

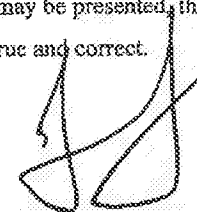
application or patent issuing therefrom is lawful and desirable, I will sign all papers and drawings, take all rightful oaths and affidavits, and do all acts necessary or required to be done for the procurement of all lawful rights associated with the invention, or for the reissue or continuation or extension of the same, will do all acts necessary or required to secure in said ASSIGNEE, its successors or assigns, the title to and full benefit of all rights hereby assigned, without charge to said ASSIGNEE or its successors or assigns, but at its or their expense; and I hereby appoint every present or future officer of said ASSIGNEE as my agent to sign all such papers and to do all such necessary acts on my behalf, to the fullest extent permitted by law;

And I hereby authorize and request the Commissioner of Patents and Trademarks and any other granting authority to issue any Letters Patent resulting from said invention and application(s) concerning same to said ASSIGNEE.

I declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that I have signed this document as my own free act and that all of the foregoing is true and correct.

Dated: \_\_\_\_\_

12/10/18

  
\_\_\_\_\_  
THEODORE RAPPAPORT,  
Inventor

Dated: \_\_\_\_\_

\_\_\_\_\_  
GEORGE R. MACCARTNEY,  
Inventor

application or patent issuing therefrom is lawful and desirable, I will sign all papers and drawings, take all rightful oaths and affidavits, and do all acts necessary or required to be done for the procurement of all lawful rights associated with the Invention, or for the reissue or continuation or extension of the same, will do all acts necessary or required to secure in said ASSIGNEE, its successors or assigns, the title to and full benefit of all rights hereby assigned, without charge to said ASSIGNEE or its successors or assigns, but at its or their expense; and I hereby appoint every present or future officer of said ASSIGNEE as my agent to sign all such papers and to do all such necessary acts on my behalf, to the fullest extent permitted by law;

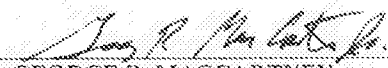
And I hereby authorize and request the Commissioner of Patents and Trademarks and any other granting authority to issue any Letters Patent resulting from said Invention and application(s) concerning same to said ASSIGNEE.

I declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that I have signed this document as my own free act and that all of the foregoing is true and correct.

Dated: .....

THEODORE RAPPAPORT,  
Inventor

Dated: 12/10/2018

  
GEORGE R. MACCARTNEY,  
Inventor

ACCEPTANCE BY ASSIGNEE

In connection with an assignment in any jurisdiction in which an acceptance by ASSIGNEE is required, I hereby accept this assignment on behalf of ASSIGNEE.

Dated: 12/10/2018

By: 

Name:

Title: