

## 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>
MARK ANTHONY ANASTASIO	12/11/2019
BRENDAN MICHAEL KELLY	10/01/2019
THOMAS PAUL MATTHEWS	10/04/2019
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>PCT Number:</b>	US2018038070
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<b>ATTORNEY DOCKET NUMBER:</b>	017311/WO (15060-1006)
<b>NAME OF SUBMITTER:</b>	PATRICK E. BRENNAN
<b>SIGNATURE:</b>	/Patrick E. Brennan/
<b>DATE SIGNED:</b>	12/13/2019
<b>Total Attachments: 3</b>	
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WashU 017311/WO

## ASSIGNMENT AGREEMENT

### ASSIGNORS:

Mark Anthony Anastasio  
Brendan Michael Kelly  
Thomas Paul Matthews

WHEREAS, the aforementioned individuals (the "ASSIGNORS") have invented certain new and useful apparatus, methods, compositions, inventions, discoveries and/or improvements disclosed in U.S. Patent Application Serial No. **PCT/US2018/038070**, filed **06/18/2018** and entitled "**Deep Learning-Assisted Image Reconstruction for Tomographic Imaging**";

AND WHEREAS, Washington University, having an address located at One Brookings Drive, St. Louis, Missouri 63130 (hereinafter the "Assignee"), is desirous of acquiring the entire right, title and interest in and to said application(s) and the apparatus, inventions, discoveries, methods, compositions, and improvements therein disclosed;

NOW THEREFORE, for good and valuable consideration, including without limitation ASSIGNOR's rights to receive a portion of licensing income received by WU pursuant to its intellectual property policy, the receipt and sufficiency of which are hereby acknowledged, the parties agree as follows:

ASSIGNORS do hereby assign, sell, transfer, and set over unto said Assignee the entire right, title, and interest in and to said application(s) and the apparatus, methods, compositions, inventions, discoveries and improvements therein disclosed for the United States of America and its territories and all foreign countries and any Letters Patent which may issue therefor in the United States and its territories and all foreign countries and all divisions, reissues, continuations, continuations-in-part, renewals, and/or extensions thereof, including the right to apply for Letters Patents in each foreign country and the United States of America and its territories, in its own name and to claim any and all priority rights under the International Convention, other conventions, treaties, or otherwise associated therewith for each country and the United States of America and its territories, said Assignee to have and to hold the interests herein assigned to the full ends of the terms of said Letters Patent and any and all divisions, reissues, continuations, continuations-in-part, renewals, and/or extensions thereof, respectively, as fully and entirely as the same would have been held and enjoyed by us had this Assignment not been made.

The U.S. Patent and Trademark Office is requested to issue such Letters Patent in accordance herewith. We covenant that we are the lawful owners of the said application(s), apparatus, methods, compositions, inventions, discoveries and improvements, that the same are unencumbered, that no license has been granted to make, use, or sell the said apparatus, methods, compositions, inventions, discoveries or improvements, and that we have the full right to make this Assignment.

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And for said consideration, we agree individually that we will communicate to said Assignee or the representatives thereof any facts known to me respecting said apparatus, methods, compositions, inventions, discoveries and improvements, and will, upon request, but without expense to me, testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue, continuation, continuation-in-part, renewal, and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts, deemed necessary or expedient by said Assignee or by counsel for said Assignee, to assist or enable said Assignee to obtain and enforce full benefits from the rights and interests herein assigned.

And for said consideration, the undersigned hereby agrees to execute, at the request of said Assignee, all documents in connection with any application for foreign letters patent therefor.

Assignors hereby grant to Assignee and its agents and attorneys the power and right to insert herein the title, serial number and filing date of the application, the OTM case number and title of the application after this Assignment is executed by the Assignors.

This Assignment shall be binding upon our heirs, executors, administrators, and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors, and/or assigns, as the case may be, of said Assignee.

Date: 12/11/2019

/ Mark Anastasio /  
Mark Anthony Anastasio

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Date: 10/1/2019

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Brendan Michael Kelly

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Date: 10/4/2019

/ *Thomas P Matthews* /  
Thomas Paul Matthews

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**Accepted on behalf of the Assignee: Washington University**

/ *Nichole R. Mercier* /  
Nichole R. Mercier, Managing Director  
Office of Technology Management  
Washington University

12/11/2019

Date

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**RECORDED: 12/13/2019**

**PATENT**  
**REEL: 051280 FRAME: 0947**