### PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
QIULIN TANG	05/16/2023
RUOQIAO ZHANG	05/16/2023
JIAN ZHOU	05/23/2023
ZHOU YU	05/16/2023

#### **RECEIVING PARTY DATA**

Name:	CANON MEDICAL SYSTEMS CORPORATION
Street Address:	1385, SHIMOISHIGAMI
City:	OTAWARA-SHI, TOCHIGI
State/Country:	JAPAN
Postal Code:	324-0036

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	17462391

#### **CORRESPONDENCE DATA**

**Fax Number:** (703)413-2220

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:** (703) 413-3000

Email: brobinson@oblon.com

Correspondent Name: OBLON, ET AL.

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Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	535835US
NAME OF SUBMITTER:	BRIANA ROBINSON
SIGNATURE:	/Briana Robinson/
DATE SIGNED:	07/19/2023

**Total Attachments: 4** 

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PATENT 508019509 REEL: 064316 FRAME: 0452

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# DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention	PROJECTION BASED DEEP LEARNING WITH FREQUENCY SPLITTING FOR COMPUTED TOMOGRAPHY
As the below name	d inventor, I hereby declare that:
This declaration	The attached application, or
is directed to:	United States application or PCT international application number 17/462,391 filed on August 31, 2021
The above-identifie	ed application was made or authorized to be made by me.
I believe that I am t	the original inventor or an original joint inventor of a claimed invention in the application.
(hereinafter referred 324-0036 Japan, is	NON MEDICAL SYSTEMS CORPORATION d to as "ASSIGNEE") having places of business at: 1385, Shimoishigami, Otawara-shi, Tochigi desirous of acquiring the entire right, title and interest in and to said invention and in and to any may be granted therefore in the United States and its territorial possessions and in any and all
acknowledged, and said ASSIGNEE, the and in all foreign cother relevant Inter- interest in and to a	FORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby for other good and valuable consideration, I, by these presents do sell, assign and transfer unto the full and exclusive right to the said invention in the United States and its territorial possessions countries (including the right to claim priority under the terms of the International Convention and mational Treaties and Arrangements from the aforesaid application) and the entire right, title and any and all Letters Patent which may be granted therefor in the United States and its territorial any and all foreign countries and in and to any and all divisions, reissues, continuations, mewals thereof.
any and all foreign assignee of my ent (his) successors an	ze and request the Patent Office Officials in the United States and its territorial possessions and a countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the ire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its d assigns, to the full end of the term for which said Letters Patent may be granted, as fully and a would have been held by me had this Assignment and sale not been made.
respecting said in continuation, substall of said Letters possible to aid said	that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me vention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, itute, renewal and reissue applications, execute all necessary assignment papers to cause any and Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything d ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said ited States and its territorial possessions and in any and all foreign countries.
	rledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 ment of not more than five (5) years, or both.
LEGAL NAME OF	FINVENTOR
Inventor: Qiulin	TANG Date: 2023-05-16
Signature: /Qiulii	nTang/

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

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acknowledged, and ASSIGNEE, the fu all foreign countrie relevant Internation in and to any and a	FORE, in consideration of the sum of FIVE DO for other good and valuable consideration, I, by the land exclusive right to the said invention in the Us (including the right to claim priority under the last Treaties and Arrangements from the aforesaid all Letters Patent which may be granted therefor in foreign countries and in and to any and all divisions.	ese presents do sell, assign and transfer unto said nited States and its territorial possessions and in terms of the International Convention and other application) and the entire right, title and interest the United States and its territorial possessions
and all foreign cour of my entire right, successors and assi	the and request the Patent Office Officials in the Unitries to issue any and all of said Letters Patent, we title and interest in and to the same, for the soligns, to the full end of the term for which said Letter bave been held by me had this Assignment and saligns.	hen granted, to said ASSIGNEE as the assignee e use and behoof of said ASSIGNEE, its (his) ters Patent may be granted, as fully and entirely
Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.		
•	rledge that any willful false statement made in this ment of not more than five (5) years, or both.	declaration is punishable under 18 U.S.C. 1001
LEGAL NAME OF	FINVENTOR	
Inventor: Ruogia	o ZHANG	Date: _05/16/2023
Signature: Z	hang, Ruoqiao	

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.

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acknowledged, and said ASSIGNEE, to and in all foreign co other relevant Inter interest in and to a	for other good and valuable consideration, I, he full and exclusive right to the said invention ountries (including the right to claim priority u mational Treaties and Arrangements from the any and all Letters Patent which may be grant any and all foreign countries and in and the	DOLLARS (\$5.00), the receipt whereof is hereby by these presents do sell, assign and transfer unto a in the United States and its territorial possessions under the terms of the International Convention and aforesaid application) and the entire right, title and ted therefor in the United States and its territorial to any and all divisions, reissues, continuations,
any and all foreigr assignee of my ent (his) successors an	n countries to issue any and all of said Letters ire right, title and interest in and to the same, f	he United States and its territorial possessions and s Patent, when granted, to said ASSIGNEE as the for the sole use and behoof of said ASSIGNEE, its ch said Letters Patent may be granted, as fully and ment and sale not been made.
Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.		
	/ledge that any willful false statement made in t ment of not more than five (5) years, or both.	this declaration is punishable under 18 U.S.C. 1001
LEGAL NAME OF	FINVENTOR	
Inventor: Jian ZF	IOU	Date: 5/23/2023
Signature:		• •

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.

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LEGAL NAME OF	INVENTOR
Inventor: Zhou Y	Date: 5/16/23
Signature:	thon Japosex here

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

> PATENT REEL: 064316 FRAME: 0457

**RECORDED: 07/19/2023**