

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5706726

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
QINGRONG JACKIE WU	07/08/2019
TAORAN LI	07/18/2019
FANG-FANG YIN	07/08/2019
YANG SHENG	07/08/2019
RECEIVING PARTY DATA	
Name:	DUKE UNIVERSITY
Street Address:	2812 ERWIN ROAD
Internal Address:	SUITE 306
City:	DURHAM
State/Country:	NORTH CAROLINA
Postal Code:	27705
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15776145
CORRESPONDENCE DATA	
Fax Number:	
<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:	9193423264
Email:	docket@olivelawgroup.com
Correspondent Name:	OLIVE LAW GROUP
Address Line 1:	125 EDINBURGH SOUTH DRIVE
Address Line 2:	SUITE 220
Address Line 4:	CARY, NORTH CAROLINA 27511
ATTORNEY DOCKET NUMBER:	210-79-UTIL
NAME OF SUBMITTER:	BENTLEY J. OLIVE
SIGNATURE:	/Bentley J. Olive/
DATE SIGNED:	09/06/2019
Total Attachments: 8	

source=210-79-UTIL_Assignment_Duke_signed#page1.tif
source=210-79-UTIL_Assignment_Duke_signed#page2.tif
source=210-79-UTIL_Assignment_Duke_signed#page3.tif
source=210-79-UTIL_Assignment_Duke_signed#page4.tif
source=210-79-UTIL_Assignment_Duke_signed#page5.tif
source=210-79-UTIL_Assignment_Duke_signed#page6.tif
source=210-79-UTIL_Assignment_Duke_signed#page7.tif
source=210-79-UTIL_Assignment_Duke_signed#page8.tif

Atty Docket No.: 210-79-UTIL
Duke Ref.: DU4766US

ASSIGNMENT

THIS ASSIGNMENT, effective on the 21ST day of May, 2018, by **Qingrong Jackie Wu**, 2812 Erwin Road, Suite 306, Durham, North Carolina, 27705, United States; **Taoran Li**, 2812 Erwin Road, Suite 306, Durham, North Carolina, 27705, United States; **Fang-Fang Yin**, 2812 Erwin Road, Suite 306, Durham, North Carolina, 27705, United States; and **Yang Sheng**, 2812 Erwin Road, Suite 306, Durham, North Carolina, 27705, United States (hereinafter referred to as Assignor[s]);

WHEREAS, Assignors have invented certain new and useful improvements in **SYSTEMS AND METHODS FOR AUTOMATIC, CUSTOMIZED RADIATION TREATMENT PLAN GENERATION FOR CANCER**, for which a Patent Application was made on May 15, 2018 in the United States as application no. 15/776,145, which claims priority to PCT International Patent Application No. PCT/US2016/063204, filed November 21, 2016, and which claims the benefit of U.S. Provisional Patent Application Number 62/257,911, filed November 20, 2015 and U.S. Provisional Patent Application Number 62/267,340, filed December 15, 2015; and

WHEREAS, **Duke University**, a College organized under and pursuant to the laws of North Carolina having its principal place of business at 2812 Erwin Rd., Ste 306, Durham, North Carolina 27705 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said invention and said Application for Letters Patent of the United States and all foreign countries, and in and to any Letters Patent of the United States and all foreign countries to be obtained therefore and thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, Assignor have assigned, transferred and set over, and by these presents do assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned invention and applications for Letters Patent, and in and to any and all divisionals, continuations and continuations-in-part of said applications, and any and all

Atty Docket No.: 210-79-UTIL
Duke Ref.: DU4766US

Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this assignment not been made. The assignment of the right to claim entitlement and/or priority is executed *nunc pro tunc* and is considered effective as of the filing date of the earliest application to which priority and/or entitlement is claimed.

This Assignment is based on our employment relationship with Duke University to assign the foregoing invention, and any patent applications therefore, in exchange for Assignee payment of patent prosecution costs and other valuable consideration, the receipt and sufficiency of which is hereby expressly acknowledged by the inventors.

AND, for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title, and interest in and to the said inventions and applications for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to assign and convey the same in the manner herein set forth.

AND, for the same consideration, Assignors hereby covenant and agree, and likewise binds his heirs, legal representatives and assigns, to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said invention, whenever counsel of Assignee, or

Atty Docket No.: 210-79-UTIL
Duke Ref.: DU4766US

counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said invention, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said invention in any country, including but not limited to derivative or post-grant proceedings, is lawful and desirable; or that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the U.S. Commissioner of Patent and Trademarks and the Patent and Trademark Offices of all foreign countries respectively, to issue said Letters Patent of the United States and all foreign countries to Assignee, as Assignee of said invention and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

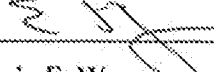
AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

<< Signature Page Follows >>

Atty Docket No.: 210-79-UTIL
Duke Ref.: DU4766US

ASSIGNEE

Executed this 29 day of July, 2019

Assignee Signature: 
Eric F. Wagner

Title: Associate Director – Legal

Address: Duke University
2812 Erwin Rd, Ste.
Mail Box 90083
Durham, NC 27708

Witnessed by:

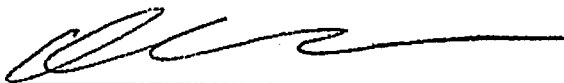
Katsumi Hollum 7/29/19
Name Date

Deborah Gault 7/29/19
Name Date

Atty Docket No.: 210-79-UTIL
Duke Ref.: DU4766US

ASSIGNORS

Executed this 8th day of July, 2019

Inventor Signature: 
Qingrong Jackie Wu

Witnessed by:

Xu Li 07/08/2019
Name Date

Zhenyu Ray 7/8/2019
Name Date

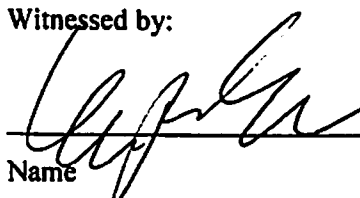
Atty Docket No.: 210-79-UTIL
Duke Ref.: DU4766US

ASSIGNORS

Executed this 18th day of July, 2019

Inventor Signature: 
Taoran Li

Witnessed by:


 Yujia Yu 7/18/2019
Name Date

 Brian Currie 7/18/19
Name Date

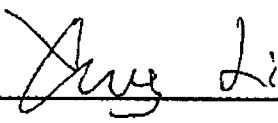
Atty Docket No.: 210-79-UTIL
Duke Ref.: DU4766US

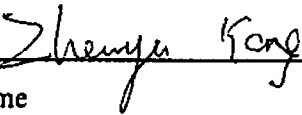
ASSIGNORS

Executed this 8 day of July, 2019

Inventor Signature: 
Fang-Fang Yin

Witnessed by:

 07/08/2019
Name Date

 07/08/2019
Name Date


Atty Docket No.: 210-79-UTIL
Duke Ref.: DU4766US

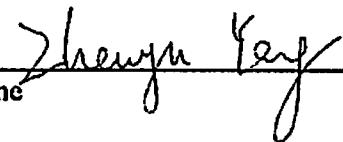
ASSIGNORS

Executed this 8 day of July, 2019

Inventor Signature: 
Yang Sheng

Witnessed by:

 07/08/2019
Name Date

 7-8-2019
Name Date