# 505999911 04/03/2020 PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE: NEW ASSIGNMENT	
NATURE OF CONVEYANCE: NUNC PRO TUNC ASSIGNMENT	
EFFECTIVE DATE:	10/03/2018

# **CONVEYING PARTY DATA**

Execution Date
07/23/2019
01/14/2019
01/03/2019
01/14/2019
12/10/2018
02/15/2019
11/25/2019

# **RECEIVING PARTY DATA**

Name:	THE REGENTS OF THE UNIVERSITY OF COLORADE, A BODY CORPORATE
Street Address:	1800 GRANT STREET
Internal Address:	8TH FLOOR
City:	DENVER
State/Country:	COLORADO
Postal Code:	80203

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

Property Type	Number
Application Number:	16753615

### CORRESPONDENCE DATA

Fax Number:

### (312)913-0002

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.

Address Line 4:	CHICAGO, ILLINOIS 60606
Address Line 1:	300 SOUTH WACKER DRIVE
Correspondent Name:	MCDONNELL BOEHNEN HULBERT & BERGHOFF LLP
Email:	psgdocket@mbhb.com
	5125100001

NAME OF SUBMITTER:	JAMES V. SUGGS
ATTORNEY DOCKET NUMBER:	17-1436

SIGNATURE:	/James V. Suggs/
DATE SIGNED:	04/03/2020
Total Attachments: 13	
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source=17-1436-WO Assignment (EXEC	CUTED) in full#page13.tif

#### ASSIGNMENT

#### MBHB Case No. 17-1436-PRO

U.S. Provisional Patent Application No. 62/567,636 Filing Date: October 3, 2017

MBHB Case No. 17-1436-WO

International Patent Application no. PCT/US18/54224 Filing Date: October 3, 2018

Inventors: Juliet Gopinath, Mo Zonrabi, Victor M. Bright, Omkar Supekar, Robert M. Cormack, Emily Gibson, Connor McCullogh

In consideration of One Dollar (\$1.60) and other good and valuable considerations in hand paid, the receipt and sufficiency whereof are hereby acknowledged, the undersigned hereby assign, effective October 3, 2018, to:

#### THE RECENTS OF THE UNIVERSITY OF COLORADO, A BODY CORPORATE 1800 Grant Street 8<sup>th</sup> Floor Denver, CO 80203

its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in the United States patent applications entitled as:

### METHODS AND SYSTEMS FOR IMAGING WITH ABERRATION CORRECTION

and it taid application and any and all other applications, both United States and foreign, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any teissue or extension of such patents, and further assigns to said assignee the priority right provided by the International Convention.

The undersigned hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue a United States Letters Patent to said assignee.

The undersigned hereby authorize and request the attorneys of record in said application to insert in this assignment the filing date and serial number of said application when officially known, and the date of execution of the application.

The undersigned warrant themselves to be the owners of the entire right, title and interest in said investion or happovements and to have the right to make this assignment, and further warrant that there are no outstanding polor assignments, licenses, or other encombrances on the interest herein assignment.

For said considerations the undersigned hereby agree, upon the request and at the expense of said assignee, its accessors and assigns, to execute any and all divisional, continuation and substitute applications for said invention or improvements, and any necessary oath, affidavit or declaration relating therein, and any application for the relevance or extension of any Letters Patent that may be granted upon said application and any and all applications and other documents for Letters Patent in foreign countries on said invention or improvements, its successors or assigns may deem necessary or expedient, and for the said considerations the undersigned authorize cald assignee to apply for patents for said invention or improvements in its own name in such countries where such procedure is proper and further agree, upon the request of said assignee, its successors and assigns, to cooperate to the best of the ability of

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# PATENT REEL: 052309 FRAME: 0184

the undersigned with said assignee, its successors and assigns, in any proceedings or transactions involving such applications or patents, including the preparation and execution of preliminary statements, giving and producing evidence, and performing any and all other acts necessary to obtain, maintain and enforce said Letters Patent, both United States and Ibreign, and vest all rights therein hereby conveyed in the assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by the said assignee, its successors and assigns, to the full end of the term for which said Letters Patent will be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made.

WITNESS my hand and seal:

Date: 7/23/19

et ( Gyruth

The foregoing instrument was acknowledged before me:

Date: 7/23/19 Winness Signature haten EMILY FLANAGAN Witness Name Notary Public notein Juliet Gopinath Only. State of Colorado Notary ID # 20134032214 My Commission Expires 05-20-2021 WITNESS my hand and seal: Date: Mo Zohrabi

The foregoing instrument was acknowledged before me:

Date:

Witness Signature

giving and producing evidence, and performing any and all other acts necessary to obtain, maintain and enforce said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in the assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by the said assignee, its successors and assigns, to the full end of the term for which said Letters Patent will be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made.

WITNESS my hand and seal:

Date:

Juliet Gopinath

The foregoing instrument was acknowledged before me:

Date:

Witness Signature

Witness Name

WITNESS my hand and seal:

Date: OI/1412019

Mo Zohrah

The foregoing instrument was acknowledged before me:

Date: 1142019



Witness Name

Date: 1/2/14

11:11 Victor M. Bright

The foregoing instrument was acknowledged before me:

MARY FENTRESS NOTARY PUBLIC

STATE OF COLORADO NOTARY ID 19974030670 MY COMMISSION EXPIRES MARCH 12, 2022

Date: 01/03/00/9

W. Stukios Witness Signature Mary Fertress

Witness Name

WITNESS my hand and seal:

Date:

Omkar Supekar

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The foregoing instrument was acknowledged before me:

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Date:

Witness Signature

...... Witness Name

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Date:

Witness Signature

Witness Name

WITNESS my hand and seal:

Date: 01/14/2019

Offikar Supekar

The foregoing instrument was acknowledged before me:

Date:

KASSIE VAN PELT NOTARY PUBLIC STATE OF COLORADO NOTARY ID 20124050396 MY COMMISSION EXPIRES AUG. 24, 2020

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#### ASSIGNMENT

MBHB Case No. 17-1436-PRO

U.S. Provisional Patent Application No. 62/567,636 Filing Date: October 3, 2017

MBHB Case No. 17-1436-WO

International Patent Application no. PCT/US18/54224 Filing Date: October 3, 2018

> PATENT REEL: 052309 FRAME: 0189

Inventors: Juliet Gopinath, Mo Zohrabi, Victor M. Bright, Omkar Supekar, Robert M. Cormack, Emily Gibson, Connor McCullogh

In consideration of One Dollar (\$1.00) and other good and valuable considerations in hand paid, the receipt and sufficiency whereof are hereby acknowledged, the undersigned hereby assign, effective October 3, 2018, to:

#### THE REGENTS OF THE UNIVERSITY OF COLORADO, A BODY CORPORATE 1800 Grant Street 8<sup>th</sup> Floor Denver, CO 80203

its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in the United States patent applications entitled as:

# METHODS AND SYSTEMS FOR IMAGING WITH ABERRATION CORRECTION

and in said application and any and all other applications, both United States and foreign, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any reissue or extension of such patents, and further assigns to said assignee the priority right provided by the International Convention.

The undersigned hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue a United States Letters Patent to said assignee.

The undersigned hereby authorize and request the attorneys of record in said application to insert in this assignment the filing date and serial number of said application when officially known, and the date of execution of the application.

The undersigned warrant themselves to be the owners of the entire right, title and interest in said invention or improvements and to have the right to make this assignment, and further warrant that there are no outstanding prior assignments, licenses, or other encumbrances on the interest herein assigned.

For said considerations the undersigned hereby agree, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all divisional, continuation and substitute applications for said invention or improvements, and any necessary oath, affidavit or declaration relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application and any and all applications and other documents for Letters Patent in foreign countries on said invention or improvements, that said assignee, its successors or assigns may deem necessary or expedient, and for the said considerations the undersigned authorize said assignee to apply for patents for said invention or improvements in its own name in such countries where such procedure is proper and further agree, upon the request of said assignee, its successors and assigns, to cooperate to the best of the ability of

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the undersigned with said assignee, its successors and assigns, in any proceedings or transactions involving such applications or patents, including the preparation and execution of preliminary statements, giving and producing evidence, and performing any and all other acts necessary to obtain, maintain and enforce said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in the assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by the said assignee, its successors and assigns, to the full end of the term for which said Letters Patent will be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made.

WITNESS my hand and seal:

Date:

Juliet Gopinath

The foregoing instrument was acknowledged before me:

Date:

Witness Signature

Witness Name

WITNESS my hand and seal:

Date:

Mo Zohrabi

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PATENT

The foregoing instrument was acknowledged before me:

Date:

Witness Signature

Witness Name

REEL: 052309 FRAME: 0190

	WITNESS my hand and seal:	
	Date:	Victor M. Bright
	The foregoing instrument was acknowledged before me	:
	Date:	Witness Signature
		Witness Name
	WITNESS my hand and seal:	
	Date:	Omkar Supekar
2	The foregoing instrument was acknowledged before me:	
]	Date:	Witness Signature
		Witness Name

- 3 -

PATENT REEL: 052309 FRAME: 0191

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12/10/16 Date:

Robert M. Cornack Robert M. Cormack H, RHC 12/18/18

The foregoing instrument was acknowledged before me:

Date: Dec. 10, 2018	Joseph R. Daild
State of Colonado 1 Carry of Carloter 3 5.5.	Witness Signiture Jaseph R. David
cany at lachter 1 "" and for sold round and	Without Nieman
Cathere me, a Notary Richtic is and for said county and Kanson to me to be the percess where have is subscrib to me that he assession the same for purposes and row	and to the fearmany of fearment react and
~ .	JOSEPH RAY DAVIDEK NOTARY PUBLIC STATE OF COLORADO
Grown and rong hands seed this (000 day of Ocception 2018	NOTARY ID 20164025841 MY COMMISSION EXPIRES JULY 7, 2020

WITNESS my hand and seal:

Date:

Emily Gibson

The foregoing instrument was acknowledged before me:

Date: ..... Witness Signature

Witness Name

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. . \* .

Date:

Connor McCullogh

The foregoing instrument was acknowledged before me:

Date:

Witness Signature

Date:

Robert M. Cormack

The foregoing instrument was acknowledged before me:

Date:

Witness Signature

Witness Name

WITNESS my hand and seal:

Date: 2/15/2019

Emily Gibson

The foregoing instrument was acknowledged before me:

Date: 15 February 2019

KAREN YETTA GILBERT NOTARY PUBLIC STATE OF COLORADO NOTARY ID 20134004057 MY COMMISSION EXPIRES JANUARY 30, 2021

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Kang Neen
Witness Signature ()
KAREN Y. GILBART

#### ASSIGNMENT

#### MBHB Case No. 17-1436-PRO

U.S. Provisional Patent Application No. 62/567,636 Filing Date: October 3, 2017

MBHB Case No. 17-1436-WO

International Patent Application no. PCT/US18/54224 Filing Date: October 3, 2018

Inventors: Juliet Gopinath, Mo Zohrabi, Victor M. Bright, Omkar Supekar, Robert M. Cormack, Emily Gibson, Connor McCallogh

McCullough CM 25 Nov. 2019

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# THE REGENTS OF THE UNIVERSITY OF COLORADO, A BODY CORPORATE 1800 Grant Street 8<sup>th</sup> Floor Denver, CO 80203

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. 1. .

# PATENT REEL: 052309 FRAME: 0195

Date: 25 November 2019

Witness Name

Connor McCullogh Connor McCullogh McCullough CM 25 Nov. 2019

The foregoing instrument was acknowledged before me:

Date: 25 November 2019

Kary Mich 55 ss Signature Kareen V. Guare Witness Signature

XAREN YETTA GREERT NOTARY PUBLIC STATE OF COLORADO NOTARY ID 20134004057 MY COMMISSION EXPIRES JANUARY 30, 2021

**RECORDED: 04/03/2020**