#### 506364583 11/19/2020

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6411339

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
NAVIN K KAPUR	09/17/2020
RICHARD H KARAS	11/05/2020

#### **RECEIVING PARTY DATA**

Name:	TUFTS MEDICAL CENTER, INC.
Street Address:	800 WASHINGTON STREET
City:	BOSTON
State/Country:	MASSACHUSETTS
Postal Code:	02111

### **PROPERTY NUMBERS Total: 2**

Property Type	Number	
Application Number:	16953220	
PCT Number:	US2020061386	

### CORRESPONDENCE DATA

Fax Number: (858)794-4091

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: 8582522965

Email: lilliymontano@eversheds-sutherland.com

**Correspondent Name:** CHRISTOPHER C. BOLTEN

Address Line 1: EVERSHEDS SUTHERLAND (US) LLP Address Line 2: 12255 EL CAMINO REAL, SUITE 100 Address Line 4: SAN DIEGO, CALIFORNIA 92130

ATTORNEY DOCKET NUMBER:	93480-0401-0410
NAME OF SUBMITTER:	LILLIY MONTANO FOR CHRIS BOLTEN
SIGNATURE:	/Lilliy Montano/
DATE SIGNED:	11/19/2020

#### **Total Attachments: 7**

source=PreCardia-Tufts\_93480-0014-0400\_PRV\_Assignment-SIGNED#page1.tif source=PreCardia-Tufts\_93480-0014-0400\_PRV\_Assignment-SIGNED#page2.tif source=PreCardia-Tufts 93480-0014-0400 PRV Assignment-SIGNED#page3.tif

**PATENT** REEL: 054425 FRAME: 0211 506364583

source=PreCardia-Tufts\_93480-0014-0400\_PRV\_Assignment-SIGNED#page4.tif source=PreCardia-Tufts\_93480-0014-0400\_PRV\_Assignment-SIGNED#page5.tif source=PreCardia-Tufts\_93480-0014-0400\_PRV\_Assignment-SIGNED#page6.tif source=PreCardia-Tufts\_93480-0014-0400\_PRV\_Assignment-SIGNED#page7.tif

PATENT REEL: 054425 FRAME: 0212

#### ASSIGNMENT - WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor (hereinafter referred to as "ASSIGNOR") has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto

Tufts Medical Center, Inc. 800 Washington Street Boston, MA 02111

(hereinafter referred to as "ASSIGNEE") its successors and assigns, the full and exclusive right, title and interest for the United States, its territories and possessions, and all foreign countries in and to this invention relating to

# SYSTEMS AND METHODS FOR SELECTIVELY OCCLUDING THE SUPERIOR VENA CAVA FOR TREATING HEART CONDITIONS

check one	[ ] executed concurrently herewith,
	executed on,
	[ X   Serial No.: 62/939.524 Filed: 11/22/2019

as set forth in this United States Patent Application

as well as in and to (a) all improvements and modifications of the above-identified invention or inventions, (b) the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto for above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the Patent Cooperation Treaty, the Paris Convention and any other international agreement; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY AUTHORIZES ASSIGNEE to file patent applications in any or all countries on the above-identified invention or inventions in the name of the undersigned or in the name of ASSIGNEE or otherwise as ASSIGNEE may deem advisable under the International Convention or otherwise.

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

Page 1

ASSIGNOR HEREBY AGREES (a) to communicate to ASSIGNEE, its successors and assigns, or their representative or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, and declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNOR HEREBY GRANTS to the law firm of Eversheds Sutherland (US) LLP the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

ASSIGNOR UNDERSTANDS AND AGREES that the attorneys and agents of the law firm of Eversheds Sutherland (US) LLP do not personally represent ASSIGNOR OR ASSIGNOR's legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

This Assignment also includes the right to sue for past act of infringement, whether based on any patents listed herein, patents issuing from applications listed herein, or provisional rights from any patent applications listed herein.

Executed this May of Stylembelt, 2020.

NAVINE KAPUR

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document, to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of  $\frac{MAAA(harsMA)}{County of Stafford R}$  On  $\frac{09/19/2020}{Date}$ , before me,  $\frac{ANICKDESIR-AUCUSTE}{Here insert Name and Title of the Officer (Notary Public)}$ 

personally appeared <u>NAVIN K. KAPUR</u>
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of Manachas In the foregoing paragraph is true and correct.

WITNESS myhand and official seal.

Signature

Signature of Notary Public

YANICK DESIR-AUGUSTE
Notery Public
Commonwealth of Massacruserris
My Commission Espires
July 15, 2022

Place Notary Seal Above

#### ASSIGNMENT - WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor (hereinafter referred to as "ASSIGNOR") has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto

Tufts Medical Center, Inc. 800 Washington Street Boston, MA 02111

(hereinafter referred to as "ASSIGNEE") its successors and assigns, the full and exclusive right, title and interest for the United States, its territories and possessions, and all foreign countries in and to this invention relating to

# SYSTEMS AND METHODS FOR SELECTIVELY OCCLUDING THE SUPERIOR VENA CAVA FOR TREATING HEART CONDITIONS

check one	[	] executed concurrently l	nerewith,
	ſ	executed on	
	ĮΣ	[ ] Serial No.: <u>62/939,524</u>	Filed: 11/22/2019

as set forth in this United States Patent Application

as well as in and to (a) all improvements and modifications of the above-identified invention or inventions, (b) the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto for above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the Patent Cooperation Treaty, the Paris Convention and any other international agreement; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY AUTHORIZES ASSIGNEE to file patent applications in any or all countries on the above-identified invention or inventions in the name of the undersigned or in the name of ASSIGNEE or otherwise as ASSIGNEE may deem advisable under the International Convention or otherwise.

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

Page 1 of 4

45248955.1

ASSIGNOR HEREBY AGREES (a) to communicate to ASSIGNEE, its successors and assigns, or their representative or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, and declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNOR HEREBY GRANTS to the law firm of Eversheds Sutherland (US) LLP the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

ASSIGNOR UNDERSTANDS AND AGREES that the attorneys and agents of the law firm of Eversheds Sutherland (US) LLP do not personally represent ASSIGNOR OR ASSIGNOR's legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

This Assignment also includes the right to sue for past act of infringement, whether based on any patents listed herein, patents issuing from applications listed herein, or provisional rights from any patent applications listed herein.

Richard H. Karas

11 - 5 - 2.0

Witness:

Signature

Signature

11-5-20

Page 2 of 4

45248955.1

Printed name

Page 3 of 4

In acknowledgement of rece	eipt of this Assignment:		
SPAN KWM	$\sim$	11-0	6-2020
Signature		Date	
Representative Name:	Susan Blanchard Vice President Research Administration		
Representative Title:	Tufts Medical Center	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Tufts Medical Center, Inc.			
Witness:			
Marick David	/ /sente	11-06-	2020
Signature	0	Date	
YANICK DESIR-F. Printed Name	<u>UGUSTE</u>		