



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

DECEMBER 29, 2017

PTAS

HUNTON & WILLIAMS LLP
2200 PENNSYLVANIA AVENUE, N.W.
INTELLECTUAL PROPERTY
WASHINGTON, DC 20037

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UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT RECORDATION BRANCH OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE ASSIGNMENT RECORDATION BRANCH AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT RECORDATION BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 12/28/2017

REEL/FRAME: 044501/0068
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BRIEF: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

DOCKET NUMBER: 74847.000108

ASSIGNOR:
SUMMAR, MARSHALL

DOC DATE: 12/22/2017

ASSIGNOR:
BARR, FREDERICK

DOC DATE: 12/18/2017

ASSIGNEE:
VANDERBILT UNIVERSITY
2201 WEST END AVENUE, 305 KIRKLAND
HALL
NASHVILLE, TENNESSEE 37240

APPLICATION NUMBER: 62439772

FILING DATE: 12/28/2016

PATENT NUMBER:

ISSUE DATE:

TITLE: SEQUELAE OF CARDIOPULMONARY BYPASS-INDUCED PULMONARY INJURY

ASSIGNMENT RECORDATION BRANCH
PUBLIC RECORDS DIVISION

ASSIGNMENT AND DECLARATION

WHEREAS, WE, **Marshall SUMMAR**, residing at 208 D Street S.E., Washington, District of Columbia 20003, USA, and **Frederick BARR**, residing at 1823 N. Tyler St., Little Rock, Arkansas 72207, USA, have invented certain new and useful improvements in and to the subject matter of:

SEQUELAE OF CARDIOPULMONARY BYPASS-INDUCED PULMONARY INJURY

described in the following application in the United States Patent and Trademark Office:

Provisional Application Serial Number	Filing Date	Attorney Docket No.
U.S. Provisional Patent Application No. 62/439,772	December 28, 2016	74847.000108

AND, WHEREAS, **Vanderbilt University**, a university, having a place of business located at 2201 West End Avenue, 305 Kirkland Hall, Nashville, TN. 37240, (hereinafter "ASSIGNEE"), is desirous of acquiring certain rights to the improvements and under the application;

NOW, THEREFORE, in exchange for good and valuable consideration, receipt of which is hereby acknowledged, WE do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, our entire right, title and interest in and throughout the United States of America (including its territories and dependencies) and all countries foreign thereto in and to said improvements, said United States application, any other United States applications, including provisional, non-provisional, divisional, renewal, substitute, continuation, continuation-in-part, reexamination and reissue applications, based in whole or in part on said United States application or in whole or in part on said improvements, any foreign applications, including international and regional applications, based in whole or in part on any of the aforesaid United States applications or in whole or in part on said improvements, and in and to any and all letters patent, including extensions thereof, of any country which have been or may be granted on any of the aforesaid applications or on said improvements or any parts thereof;

AND WE hereby authorize and request our agents, Hunton & Williams LLP, whose address is 2200 Pennsylvania Avenue, N.W., Washington, DC 20037-1701, to insert hereon any identification necessary or desirable for recordation of this document, including the filing date and application number of said application when known.

AND WE hereby agree for ourselves and our heirs, executors and administrators to execute without further consideration any further documents and instruments which may be necessary, lawful and proper in the prosecution of said above-referenced application or in the preparation or prosecution of any continuing, substitute, divisional, renewal, reexamination or reissue application or in any amendments, extensions, post-grant review, *inter partes* review or derivation proceedings, supplemental examination or interference proceedings, or other applications for patents of any region or country, that may be necessary to secure to ASSIGNEE its interest and title in and to said improvements or any parts thereof, and in and to said several patents or any of them;

AND WE hereby covenant for ourselves and our legal representatives, and agree with said ASSIGNEE, its successors and assigns, that WE have granted no right or license to make, use, sell or offer to sell said improvements, to anyone except said ASSIGNEE, that prior to the execution of this deed, our right, title and interest in said improvements had not been otherwise encumbered, and that WE have not and will not execute any instrument in conflict therewith;

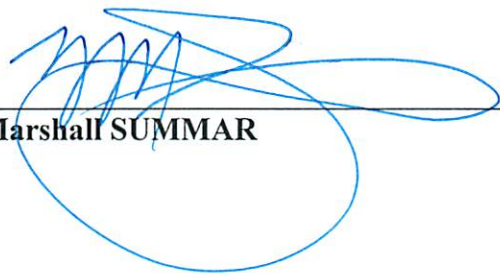
AND WE do hereby authorize and request the Director of the United States Patent and Trademark Office to issue any and all letters patent which may be granted upon said United States applications, or upon said improvements or any parts thereof when granted, to said ASSIGNEE.

HUNTON & WILLIAMS LLP
INTELLECTUAL PROPERTY DEPARTMENT
2200 PENNSYLVANIA AVENUE, N.W.
WASHINGTON, DC 20037
(202) 955-1500 (TELEPHONE)
(202) 778-2201 (FACSIMILE)

IN WITNESS WHEREOF, I have hereunto set my hand and seal.

- ☒ The above-identified application was made or authorized to be made by me.
- ☒ I believe I am the original inventor or an original joint inventor of a claimed invention in the application.
- ☒ I hereby acknowledge that any willful false statement made in this statement is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Dec 22nd 2017
Date



Marshall SUMMAR

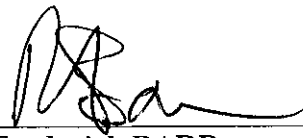
Witness 1. Mary Hadley
(signature)
Name: Mary Hadley
Address: 12203 Castle Pines Drive
Beltsville, MD 20705

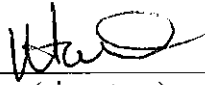
Witness 2. Alicia Willis Branch
(signature)
Name: Alicia Willis Branch
Address: 5518 Karen Elaine Drive
New Carrollton, MD 20784

IN WITNESS WHEREOF, I have hereunto set my hand and seal.

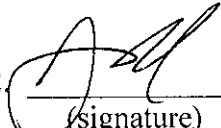
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12/18/2017
Date


Frederick BARR

Witness 1. 
(signature)

Name: LAKESHA HART
Address: 1 Childrens Way
Slot 512-1
Little Rock, AR 72202

Witness 2. 
(signature)

Name: Jeremy Ruff
Address: 1 Childrens Way
Slot 512-1
Little Rock, AR 72202

HUNTON & WILLIAMS LLP
INTELLECTUAL PROPERTY DEPARTMENT
2200 PENNSYLVANIA AVENUE, N.W.
WASHINGTON, DC 20037
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(202) 778-2201 (FACSIMILE)

IN WITNESS WHEREOF, I have hereunto set my hand and seal.

ASSIGNEE

Vanderbilt University
2201 West End Avenue
305 Kirkland Hall
Nashville, TN. 37240

Date: Dec 27, 2017

Signature: Janis Elsner

Name: JANIS ELSNER

Title: Director of Commercial Operations
Center for Technology Transfer
and Commercialization