

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT6044583

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
TIMOTHY K. WILLIAMS	02/28/2020
LUCAS PAUL NEFF	02/06/2020
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	GOVERNMENT OF THE UNITED STATES AS REPRESENTED BY THE SECRETARY OF THE AIR FORCE
<b>Street Address:</b>	BUILDING 11, 2ND FLOOR, RM 256
<b>Internal Address:</b>	2240 B STREET
<b>City:</b>	WRIGHT-PATTERSON AFB
<b>State/Country:</b>	OHIO
<b>Postal Code:</b>	45433-7109
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16657588
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(415)576-0300
<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>	
<b>Phone:</b>	4152734768
<b>Email:</b>	SBarnes-Anderson@kilpatricktownsend.com
<b>Correspondent Name:</b>	KILPATRICK TOWNSEND & STOCKTON LLP
<b>Address Line 1:</b>	TWO EMBARCADERO CENTER, SUITE 1900
<b>Address Line 4:</b>	SAN FRANCISCO, CALIFORNIA 94111
<b>ATTORNEY DOCKET NUMBER:</b>	070772-228210US-1160469
<b>NAME OF SUBMITTER:</b>	SHERBONNE' BARNES-ANDERSON
<b>SIGNATURE:</b>	/Sherbonne' Barnes-Anderson/
<b>DATE SIGNED:</b>	04/02/2020
<b>Total Attachments: 2</b>	
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source=ExecutedUSAFAssignment_070772-1160469#page2.tif	

**ASSIGNMENT**  
**(Government Inventor)**

WHEREAS, I, Timothy Keith Williams, while employed by the Government of the United States, made or contributed to an invention described in invention disclosure AFD 1660 entitled "Flow rate control device for variable intra-aortic occlusion", to be filed as an application for Letters Patent of the United States (Application Serial Number 16/657,588, filed Oct. 18, 2019), and I hereby authorize and request AFMCLO/JAZ to insert here in the above parentheses (Application Serial Number, filed) the filing date and application number of said application when known; and

WHEREAS, the conditions under which said invention was made are such as to entitle the Government of the United States as represented by the Secretary of the Air Force, under Paragraph 1(a) of Executive Order 10096, to the entire right, title and interest therein, including foreign rights;

NOW, THEREFORE, to all whom it may concern, be it known that for and in consideration of the premises and other valuable considerations, I, Timothy Keith Williams:

HEREBY HAVE SOLD, ASSIGNED, AND TRANSFERRED, and by these presents do sell, assign, and transfer unto the Government of the United States as represented by the Secretary of the Air Force, my entire right, title, and interest, in and to the aforesaid invention described in the invention disclosure, all subsequent information to support that aforesaid invention, and the resulting application for Letters Patent of the United States including all Letters Patent issuing thereon, and any continuations, continuations-in-part, divisions, and reissues or extensions thereof; and all priority resulting from the filing of the aforesaid application for patent in the United States;

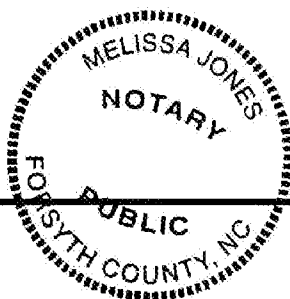
HEREBY AUTHORIZE AND REQUEST any official whose duty it is to issue patents, to issue any patent thereon to the Government of the United States, as represented by the Secretary of the Air Force, and his successors, as assignee of my entire right, title and interest in and to the same, for the sole use for the full term or terms for which said patents and any continuations, continuations-in-part, divisions and reissues or extensions thereof are, or may be, granted as fully and entirely as the same would have been held by me had this Assignment not been made;

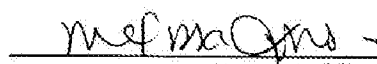
HEREBY ALSO GRANT to the Government of the United States, as represented by the Secretary of the Air Force, the entire right, title and interest in the invention or all applications for Letters Patent thereon in all countries or jurisdictions foreign to the United States in which the Government of the United States may file, or cause to be filed, applications for Letters Patent, without payment to me of any further consideration; provided, however, that this grant to take foreign rights in the invention must be exercised by filing of a foreign patent application, and that all foreign rights not exercised are left to me, subject to a nonexclusive, irrevocable, royalty-free license to the Government of the United States in any patent which may issue on said invention in any country or jurisdiction foreign to the United States, including the power to issue sublicenses for use on behalf of the Government of the United States and/or in furtherance of the foreign policies of the United States of America; and

HEREBY AGREE to execute any and all applications for Letters Patent, and to furnish all data and documents and to execute any papers which may be necessary or convenient for the preparation, filing, or prosecution of such applications, except it is understood that I shall not be subject to any out-of-pocket expense relative to such action.

  
Timothy Keith Williams

SUBSCRIBED AND ACKNOWLEDGED before me by Timothy Keith Williams this 28<sup>th</sup> day of February 20 2020, at the city of Winston Salem in the County of Forsyth and State of North Carolina.



  
Notary Public

ASSIGNMENT  
(Contractor Inventor)

WHEREAS, I, Lucas Paul Neff, jointly made or contributed to an invention described in invention disclosure AFD 1660 entitled "Flow Rate Control Device for Variable Intra-Aortic Occlusion", to be filed as an application for Letters Patent of the United States (Application Serial Number 16/657,588, filed Oct. 18, 2019), and I hereby authorize and request AFM/CLO/JAZ to insert here in the above parentheses (Application Serial Number, filed) the filing date and application number of said application when known;

WHEREAS, Lucas Paul Neff has indicated its intention to NOT elect title to the aforesaid invention;  
NOW, THEREFORE, to all whom it may concern, be it known that in consideration of the premises and other valuable consideration, I, Lucas Paul Neff:

HEREBY HAVE SOLD, ASSIGNED, AND TRANSFERRED, and by these presents do sell, assign, and transfer unto the Government of the United States as represented by the Secretary of the Air Force, my entire right, title, and interest, in and to the aforesaid invention described in the invention disclosure, all subsequent information to support that aforesaid invention, and the resulting application for Letters Patent of the United States including all Letters Patent issuing thereon, and any continuations, continuations-in-part, divisions, and reissues or extensions thereof; and all patent applications claiming priority resulting from the filing of the aforesaid application for patent in the United States in any jurisdiction throughout the world;

HEREBY AUTHORIZE AND REQUEST any official whose duty it is to issue patents, to issue any patent thereon to the Government of the United States, as represented by the Secretary of the Air Force, and his successors, as assignee of my entire right, title and interest in and to the same, for the sole use for the full term or terms for which said patents and any continuations, continuations-in-part, divisions and reissues or extensions thereof are, or may be, granted as fully and entirely as the same would have been held by me had this Assignment not been made; and

HEREBY AGREE to execute, and assist with executing, any and all applications for Letters Patent, and to furnish all data and documents and to execute any papers which may be necessary or convenient for the preparation, filing, or prosecution of such applications, except it is understood that I, Lucas Paul Neff, shall not be subject to any out-of-pocket expense relative to such action.

SUBSCRIBED AND ACKNOWLEDGED before me by Lucas Paul Neff this

February 29,

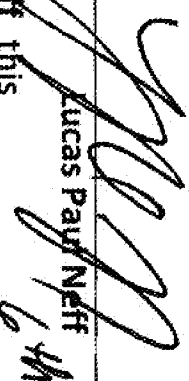
2019, at the city of Winston-Salem

day of

Forsyth

and State of North Carolina

Lucas Paul Neff



Notary Public

PATENT

RECORDED: 04/02/2020

REEL: 052299 FRAME: 0918