### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3885457

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
TIMOTHY K. WILLIAMS	01/07/2016
LUCAS PAUL NEFF	01/07/2016
JAMES B. SAMPSON	01/07/2016

#### **RECEIVING PARTY DATA**

Name:	Government of the United States as Represented by the Secretary of the Air Force
Street Address:	2240 B. Street
Internal Address:	Building 11, Area B
City:	Wright-Patterson AFB
State/Country:	OHIO
Postal Code:	45433-7109

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

Property Type	Number
Application Number:	14990465
PCT Number:	US1614080

#### **CORRESPONDENCE DATA**

**Fax Number:** (937)255-3733

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.

**Email:** pamela.kuns@us.af.mil

Correspondent Name: PAMELA KUNS
Address Line 1: 2240 B. STREET
Address Line 2: BUILDING 11, AREA B

Address Line 4: WRIGHT-PATTERSON AFB, OHIO 45433-7109

NAME OF SUBMITTER:	JAMES P. CAREY
SIGNATURE:	/James P. Carey/
DATE SIGNED:	05/23/2016

### **Total Attachments: 3**

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PATENT 503838809 REEL: 038688 FRAME: 0421

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PATENT REEL: 038688 FRAME: 0422

## ASSIGNMENT (Inventor with Co-Inventors)

WHEREAS, I, Timothy K. Williams, while employed by the Government of the United States, jointly made an invention with Lucas Paul Neff and James B. Sampson described in invention disclosure AFD 1454 entitled "Flow Rate Control Device for Variable Intra-Aortic Occlusion" or "EVACC - Endovascular Variable Aortic Control Catheter"; U.S. Provisional Patent Application Serial No. 62/105,887 filed January 21, 2015; and/or U.S. Provisional Patent Application Serial No. 62/235,087 filed September 30, 2015, to be filed as a Non-Provisional Patent Application for Letters Patent of the United States (Application Serial Number 4/990 465, filed 07 JAN 2016), 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;

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 K. 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 any jurisdiction throughout the world, in and to the aforesaid invention described in the aforesaid application for Letters Patent of the United States, made jointly with Lucas Paul Neff and James B. Sampson, 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; 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.

SUBSCRIBED AND ACKNOWLEDGED before me by Timothy K. Williams this 7th day of Sunday 2016, at the city of Travis Air Force Base in the County of Soland and State of alifornia.

STACE IL LOW, 15gt, USAF
Paralegal,
Notary by Federal Statue Title 10 USC 1044a

PATENT REEL: 038688 FRAME: 0423

# ASSIGNMENT (Inventor with Co-Inventors)

WHEREAS, I, Lucas Paul Neff, while employed by the Government of the United States, jointly made an invention with Timothy K. Williams and James B. Sampson described in invention disclosure AFD 1454 entitled "Flow Rate Control Device for Variable Intra-Aortic Occlusion" or "EVACC - Endovascular Variable Aortic Control Catheter"; U.S. Provisional Patent Application Serial No. 62/105,887 filed January 21, 2015; and/or U.S. Provisional Patent Application Serial No. 62/235,087 filed September 30, 2015, to be filed as a Non-Provisional Patent Application for Letters Patent of the United States (Application Serial Number 14/99,465 filed O7 JAN 2016), 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;

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, 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 any jurisdiction throughout the world, in and to the aforesaid invention described in the aforesaid application for Letters Patent of the United States, made jointly with Timothy K. Williams and James B. Sampson, 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; 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.

1th

SUBSCRIBED AND ACKNOWLEDGED before me by Lucas Paul Neff this

- day or

January

2016, at the city of

ravis Hic Force Base in the Count

Solano

and State of CO

California

STACEY L. LOW, Set, USAF Paralegal,

Notary by Federal Statue Title 10 USC 1044a

Watary Public

#### **ASSIGNMENT** (Inventor with Co-Inventors)

WHEREAS, I, James B. Sampson, while employed by the Government of the United States, jointly made an invention with Timothy K. Williams and Lucas Paul Neff described in invention disclosure AFD 1454 entitled "Flow Rate Control Device for Variable Intra-Aortic Occlusion" or "EVACC - Endovascular Variable Aortic Control Catheter"; U.S. Provisional Patent Application Serial No. 62/105,887 filed January 21, 2015; and/or U.S. Provisional Patent Application Serial No. 62/235,087 filed September 30, 2015, to be filed as a Non-Provisional Patent. Application for Letters Patent of the United States (Application Serial Number 14/990.965 filed 07.500), 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;

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, James B. Sampson:

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 any jurisdiction throughout the world, in and to the aforesaid invention described in the aforesaid application for Letters Patent of the United States, made jointly with Timothy K. Williams and Lucas Paul Neff, 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; 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.

SUBSCRIBED AND ACKNOWLEDGED before me by James B. Sampson this

2016, at the city of Travis Air Force B

STACEYL LOW, 18gt, USAF

Paralegal.

Notary by Federal Statue Title 10 USC 1044a

**PATENT** 

REEL: 038688 FRAME: 0425

**RECORDED: 05/23/2016**