

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5067296

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
WILLIAM NILAND	10/17/2017
FELINO V. CORTEZ	10/17/2017
MICHAEL NICHOLAS D'AMBRA	10/17/2017
PETER WILSON	10/20/2017
STEPHEN COURNAME	10/17/2017
RECEIVING PARTY DATA	
Name:	HARPOON MEDICAL, INC.
Street Address:	323 WEST CAMDEN STREET
Internal Address:	SUITE 675
City:	BALTIMORE
State/Country:	MARYLAND
Postal Code:	21201
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16012195
CORRESPONDENCE DATA	
Fax Number:	
<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>	
Email:	RAQUEL_JONES@EDWARDS.COM
Correspondent Name:	EDWARDS LIFESCIENCES CORPORATION
Address Line 1:	ONE EDWARDS WAY
Address Line 2:	C/O LEGAL DEPARTMENT
Address Line 4:	IRVINE, CALIFORNIA 92614
ATTORNEY DOCKET NUMBER:	HVTHP-9376US02
NAME OF SUBMITTER:	RAQUEL JONES
SIGNATURE:	/RAQUEL JONES/
DATE SIGNED:	07/25/2018
Total Attachments: 9	

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ASSIGNMENT

William NILAND, residing at 955 Nelson Place, Arnold, MD 21012; **Felino V. CORTEZ**, residing at 14805 Arabian Lane, Bowie, MD 20715; **Michael Nicholas D'AMBRA**, residing at 4302 East Palo Verde Drive, Phoenix, AZ 85018; **Peter WILSON**, residing at 46 Wolf Hollow Lane, Killingworth, CT 06419; and **Stephen Cournane**, residing at 1502 McKinan Ct., Severn, MD 21144 (each referred to as "Assignor") have made an invention(s) (the "Invention(s)") set forth in an application for patent entitled METHOD AND APPARATUS FOR CARDIAC PROCEDURES, and which is a:

- (1) ☒ provisional application
 - (a) ☐ to be filed herewith; or
 - (b) ☒ bearing Application No. 62/521,784, and filed on June 19, 2017;
- (2) ☐ non-provisional application
 - (a) ☐ to be filed herewith; or
 - (b) ☐ bearing Application No. , and filed on ;
and/or
- (3) ☐ PCT application
 - (a) ☐ bearing Application No. , and filed on .

and/or
- (4) ☐ attached hereto.

WHEREAS, Harpoon Medical, Inc., having its principal place of business at 323 West Camden Street, Suite 675, Baltimore, MD 21201 its successors, legal representatives and assigns, (the "Assignee"), is desirous of acquiring the entire right, title, and interest in: the Invention(s); the application(s) for patent identified above; the right to file applications for patent of the United States or other countries on the Invention(s); any application(s) for patent of the United States or other countries claiming priority to, and/or the benefit of, these applications; any provisional or other right to recover any and all past, present, and future damages, including royalties, for any and all past, present, and future infringements of these application(s); and any and all patent(s) of the United States or other countries that may be granted therefor or thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, and to the extent that the Assignor has not done so already via a prior agreement with the Assignee or a predecessor in interest of the Assignee, or if the Assignor has already done so via a prior agreement with the Assignee or a predecessor in interest of the Assignee then in confirmation of any obligation to do so in said prior

agreement, the Assignor has sold, assigned, transferred, and set over, and by these presents does sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns, the Assignor's entire right, title, and interest in:

- (a) the Invention(s);
- (b) the application(s) for patent identified above;
- (c) the right to file applications for patent of the United States or other countries on the Invention(s), including all rights under the Hague Convention, the Paris Convention for the Protection of Industrial Property, and under the Patent Cooperation Treaty, and all rights of claiming priority in any country of the world;
- (d) any application(s) for patent of the United States or other countries claiming the Invention(s);
- (e) any application(s) for patent of the United States or other countries claiming priority to, and/or the benefit of, at least one of the application(s) for patent identified above or any application(s) for patent claiming the Invention(s), including any priority application(s), substitute application(s), division(s), continuation(s), and continuation(s)-in-part;
- (f) any provisional or other right to recover any and all past, present, and future damages, including royalties, for any and all past, present, and future infringements of any application for patent identified in the preceding paragraphs (b)-(e) and of any and all patent(s) granted based thereon in the United States and in all other countries; and
- (g) any patent(s) of the United States or other countries that may be granted for or on any application for patent identified in the preceding paragraphs (b)-(e), including any reissue(s), reexamination(s), revival(s), renewal(s) and extension(s) of said patent(s).

The above-granted rights, titles, and interests are to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, as fully and entirely as the same would have been held and enjoyed by the Assignor had this sale and assignment not been made.

The Assignor hereby represents to the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, or if applicable, at such time said prior agreement was executed, the Assignor is a lawful owner of an undivided interest in the entire right, title, and interest in and to the Invention(s), that the Invention(s) are unencumbered, except, if applicable, by obligation to assign in accordance with said prior agreement, and that the Assignor has good and full right and lawful authority to sell and convey the same in the manner set forth herein, and

that Assignor will not make or enter into any assignment, sale, agreement or encumbrance which would conflict with these presents.

The Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns, that the Assignor will sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done in connection with any and all proceedings for the procurement, maintenance, enforcement and defense of the Invention(s), said application(s), and said patent(s), including interference and derivation proceedings, and any post-grant proceedings (e.g., opposition proceedings, post-grant reviews, *Inter partes* reviews, supplemental examinations, etc.) without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns.

The Assignor hereby authorizes and requests the attorneys of COOLEY LLP to insert in the spaces provided above the filing date, the application number, and the attorney docket number of the application(s) identified above when known.

The Assignor hereby requests the Commissioner of Patents to issue said patents of the United States to the Assignee for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date: OCT 17, 2017 By: [Signature]
William NILAND

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 Maryland)
County of Howard) ss.

On October 17, 2017, before me, Sang C. Cho, Notary Public, personally appeared William Niland, 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/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[Signature]
Signature of Notary Public



My Commission Expires: 11/22/2017

Date: 10-17-2017

By:

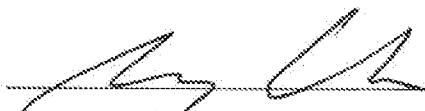

Felino V. CORTEZ

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 Maryland)
) ss.
 County of Howard)

On October 17, 2017, before me, Sang C. Cho, Notary
 Public, personally appeared Felino V. Cortez, 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/she/they executed the same
 in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument
 the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.


 Signature of Notary Public

Place Notary Seal Above

My Commission Expires: 11/22/2017

Date: 10/17/2017

By: Michael Nicholas D'AMBRA

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 Maryland)
) ss.
County of Howard)

On October 17, 2017, before me, Sang C. Cho, Notary Public, personally appeared Michael Nicholas D'ambra, 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/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

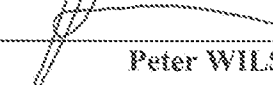
WITNESS my hand and official seal.

[Signature]
Signature of Notary Public



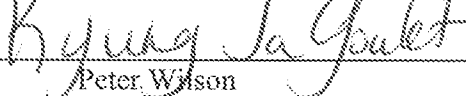
My Commission Expires: 11/22/2017

Date: 10-20-17

By: 
Peter WILSON

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 Connecticut,
County of New Haven ss.

On Oct. 20, 2017, before me, , Notary Public, personally appeared Peter Wilson, 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/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.


Signature of Notary Public

Place Notary Seal Above

My Commission Expires: September 30, 2020

Date: October 17 2017 By: Stephen Courmane
Stephen Cournane

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.

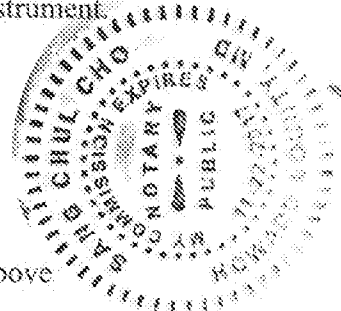
State of Maryland)
County of Howard) ss.

On October 17, 2017, before me, Sang C. Cho, Notary
Public, personally appeared Stephen Courmane, 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/she/they executed the same
in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument
the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[Signature]
Signature of Notary Public

Place Notary Seal Above



My Commission Expires: 11/22/2017

For and on behalf of ASSIGNEE:

Date: October 17, 2017

By:

Peter Boyd
Name: Peter Boyd
Title: General Counsel
Company: Harpoon Medical, Inc.

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 Maryland)
County of Howard) ss.

On October 17, 2017, before me, Sang C. Cho, Notary Public, personally appeared Peter Boyd, 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/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Sang C. Cho
Signature of Notary Public

Place Notary Seal



My Commission Expires: 11/22/2017