

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4688250

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DONALD E. BOBO JR.	04/03/2017
SALVADOR MARQUEZ	11/07/2017
DA-YU CHANG	11/08/2017
CINDY WOO	04/07/2017
HAO-CHUNG YANG	04/07/2017
LYNN T. DANG	04/05/2017
ALEXANDER H. SIEMONS	11/09/2017
YARON KEIDAR	11/08/2017
VIRGINIA QI LIN	04/05/2017
JAVIER A. SANGUINETTI	04/07/2017
BRIAN S. CONKLIN	03/30/2017

RECEIVING PARTY DATA

Name:	EDWARDS LIFESCIENCES CORPORATION
Street Address:	ONE EDWARDS WAY
City:	IRVINE
State/Country:	CALIFORNIA
Postal Code:	92614

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15452617

CORRESPONDENCE DATA**Fax Number:**

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: RAQUEL_BRANSON@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:	HVTSV-8369US03
NAME OF SUBMITTER:	THOMAS RICHARDSON
SIGNATURE:	/Thomas Richardson/
DATE SIGNED:	11/14/2017

Total Attachments: 11

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Whereas, we have invented certain new and useful improvements entitled:

VALVE IMPLANT WITH INTEGRATED SENSOR AND TRANSMITTER

- for which a provisional application for a United States Letters Patent was filed on November 3, 2016 , as U.S. Application Number 62/417206 .
- for which a provisional application for a United States Letters Patent is filed herewith.

Now therefore, in consideration of one dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency whereof are hereby acknowledged, we hereby convey, transfer and assign to Edwards Lifesciences Corporation (hereinafter referred to as "assignee"), a corporation of Delaware, having a principal place of business at One Edwards Way, Irvine, California 92614, its successors, legal representatives and assigns, the entire right, title and interest throughout the world in the above-mentioned invention or improvements, in the above-mentioned provisional application for United States Letters Patent, and any and all other applications for United States Letters Patent and applications in any other countries which we may file, either solely or jointly with others, on said invention or improvements, including any non-provisional U.S. patent applications that claim priority to the above-mentioned provisional application, divisional, continuation and continuation-in-part applications, and in any and all Letters Patent of the United States or of any other country which may be obtained on any of said applications, and in any reissue, reexam or extension thereof.

We hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said Edwards Lifesciences Corporation.

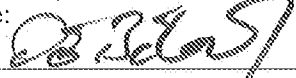
We hereby authorize and request the attorneys of record in said application to insert in this Assignment the date and serial number of said application when officially known.

We warrant ourselves to be the owners of the interest herein assigned and to have the right to make this assignment; and further warrant that there are no outstanding prior assignments, licenses, or other rights in the interest herein assigned.

For said consideration we hereby agree, upon the request and at the expense of said assignee, its successors, legal representatives and assigns, to execute any and all non-provisional U.S. patent applications that claim priority to the above-mentioned provisional application, divisional, continuation, and C-I-P applications for said invention or improvements, and any necessary oath or supplemental oath or affidavit relating thereto, and any application for the reissue, reexam or extension of any Letters Patent that may be granted upon said application that said assignee, its successors, legal representatives and assigns may deem necessary or expedient. For said consideration we further agree, upon the request of said assignee, its successors, legal representatives and assigns, in the event of said application or any non-provisional U.S. patent applications that claim priority to the above-mentioned provisional application, division, continuation, or C-I-P thereof, or Letters Patent issued thereon, or any reexam, reissue or application for the reissue thereof becoming involved in interference, to cooperate to the best of our ability with said assignee, its successors, legal representatives and assigns in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof. We further agree to perform, upon such request, any and all affirmative acts to obtain Letters Patent, and vest all rights therein hereby conveyed in said assignee, its successors, legal representatives and assigns whereby said Letters Patent will be held and enjoyed by said assignee, its successors, legal representatives and assigns to the end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made, including the right to enforce said patent and to sue for and recover damages and all other remedies arising out of any and all past, present and future infringement or violation of said Letters Patent, and for said considerations we hereby also assign to said assignee, its successors, legal representatives and assigns the entire rights, title and interest in said invention or

improvements for any and all foreign countries and the right of priority for patent and utility model applications in all countries arising under any applicable international convention for the protection of industrial property and/or any internal priority legislation of such countries, and we further agree upon the request of said assignee, its successors, legal representatives and assigns to execute any and all documents that shall be required to be executed in connection with any and all applications for foreign Letters Patent therefor, including the prosecution thereof, and to execute any and all documents necessary to invest title in said foreign applications and patents in said assignee.

Dated: 4/3/17

Signature: 

Typed Name: Donald E. Bobo, Jr.
Santa Ana, California

Dated: _____

Signature: _____

Typed Name: Salvador Marquez
Foothill Ranch, California

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.

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 _____, County of _____

State of _____, County of _____

On _____ before me
_____, Notary Public,
personally appeared

On _____ before me
_____, Notary Public,
personally appeared

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 entity upon behalf of which the person(s) acted, executed the instrument.

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 entity upon behalf of which the person(s) acted, executed the instrument.

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

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

WITNESS my hand and official seal.

WITNESS my hand and official seal.

Signature of Notary
(Seal)

Signature of Notary
(Seal)

PLEASE SEE ATTACHED CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

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CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

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 California)
County of ORANGE)

On APRIL 3, 2017 before me, KIM SCHREUTELKAMP, NOTARY PUBLIC
Date Here Insert Name and Title of the Officer

personally appeared DONALD E BOBO, JR.
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/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.

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

WITNESS my hand and official seal.



Signature [Handwritten Signature]
Signature of Notary Public

Place Notary Seal Above

OPTIONAL

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: VALVE IMPLANT WITH INTEGRATED SENSOR AND TRANSMITTER ASSEMBLY Document Date:
Number of Pages: Signer(s) Other Than Named Above:

Capacity(ies) Claimed by Signer(s)

Signer's Name:
[] Corporate Officer -- Title(s):
[] Partner -- [] Limited [] General
[] Individual [] Attorney in Fact
[] Trustee [] Guardian or Conservator
[] Other:
Signer Is Representing:

Signer's Name:
[] Corporate Officer -- Title(s):
[] Partner -- [] Limited [] General
[] Individual [] Attorney in Fact
[] Trustee [] Guardian or Conservator
[] Other:
Signer Is Representing:

improvements for any and all foreign countries and the right of priority for patent and utility model applications in all countries arising under any applicable international convention for the protection of industrial property and/or any internal priority legislation of such countries, and we further agree upon the request of said assignee, its successors, legal representatives and assigns to execute any and all documents that shall be required to be executed in connection with any and all applications for foreign Letters Patent therefor, including the prosecution thereof, and to execute any and all documents necessary to invest title in said foreign applications and patents in said assignee.

Dated: _____

Dated: 11/7/17

Signature: _____

Signature: Salvador Marquez

Typed Name: Donald E. Bobo, Jr.
Santa Ana, California

Typed Name: Salvador Marquez
Foothill Ranch, California

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 _____, County of _____

On _____ before me
_____, Notary Public,
personally appeared

_____,
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 entity upon behalf of which the person(s) acted, executed the instrument.

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

WITNESS my hand and official seal.

Signature of Notary
(Seal)

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Dated: Nov 8, 2017

Signature: _____

Da-Yu Chang
Typed Name: Da-Yu Chang
Irvine, California

Dated: _____

Signature: _____

Typed Name: Cindy Woo
Costa Mesa, California

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 _____, County of _____

On _____ before me
_____, Notary Public,
personally appeared

_____,
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 entity upon behalf of which the person(s) acted, executed the instrument.

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

WITNESS my hand and official seal.

Signature of Notary
(Seal)

CONTINUED ON NEXT PAGE

Dated: _____

Signature: _____

Typed Name: Da-Yu Chang
Irvine, California

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 _____, County of _____

On _____ before me
_____, Notary Public,
personally appeared

_____,
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 entity upon behalf of which the person(s) acted, executed the instrument.

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

WITNESS my hand and official seal.

Signature of Notary
(Seal)

Dated: April 7, 2017

Signature: _____

Typed Name: Cindy Woo
Costa Mesa, California

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 California, County of Orange

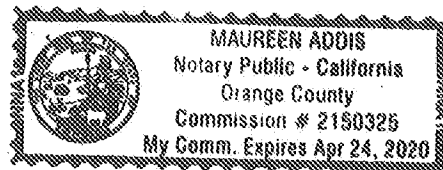
On April 7, 2017 before me
Maureen Addis Notary Public,
personally appeared

Cindy Woo,
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 entity upon behalf of which the person(s) acted, executed the instrument.

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

WITNESS my hand and official seal.

Maureen Addis
Signature of Notary
(Seal)



CONTINUED ON NEXT PAGE

Dated: April 7, 2017
Signature: [Signature]
Typed Name: Hao-Chung Yang
Tustin, California

Dated: April 5, 2017
Signature: [Signature]
Typed Name: Lynn T. Dang
Huntington Beach, California

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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 California County of Orange
On April 7, 2017 before me Maureen Addis, Notary Public, personally appeared Hao-Chung Yang, 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 entity upon behalf of which the person(s) acted, executed the instrument.

State of CA, County of ORANGE
On 4-5-2017 before me Evelyn E. Sanchez, Notary Public, personally appeared Lynn T. Dang, 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 entity upon behalf of which the person(s) acted, executed the instrument.

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

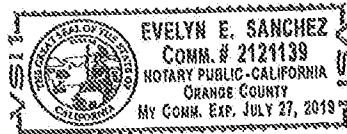
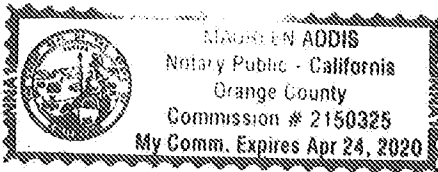
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

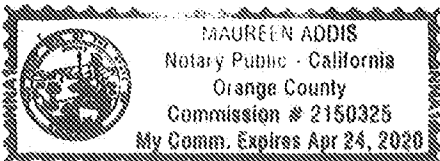
WITNESS my hand and official seal.

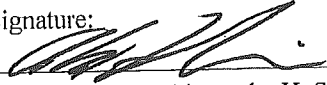
[Signature]
Signature of Notary
(Seal)

[Signature]
Signature of Notary
(Seal)



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Dated: Nov. 9 2017
Signature: 

Typed Name: Alexander H. Siemons
Yorba Linda, California

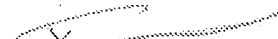
Dated: _____
Signature: _____

Typed Name: Yaron Keidar
Haifa, Israel

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Dated: _____
Signature: _____

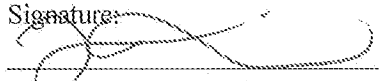
Typed Name: Alexander H. Siemons
Yorba Linda, California

Dated: 8-NOV-2017
Signature: 

Typed Name: Yaron Keidar
Haifa, Israel
Kinget Uno,

CONTINUED ON NEXT PAGE

Dated: 4/5/17

Signature: 

Typed Name: Virginia Qi Lin
Santa Ana, California

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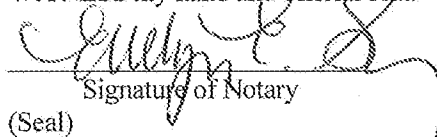
State of CA, County of Orange

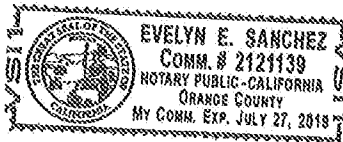
On 4-5-2017 before me
Evelyn E. Sanchez Notary Public,
personally appeared

Virginia Qi Lin,
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 entity upon behalf of which the person(s) acted, executed the instrument.

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

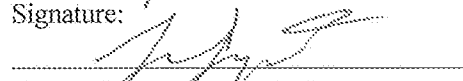
WITNESS my hand and official seal.


Signature of Notary
(Seal)



CONTINUED ON NEXT PAGE

Dated: April 7, 2017

Signature: 

Typed Name: Javier A. Sanguinetti
Irvine, California

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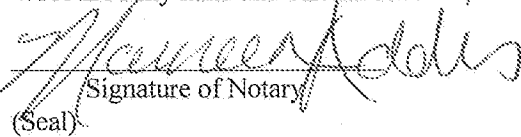
State of California County of Orange

On April 7, 2017 before me
Maureen Addis Notary Public,
personally appeared

Javier A. Sanguinetti
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 entity upon behalf of which the person(s) acted, executed the instrument.

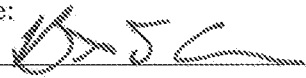
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.


Signature of Notary
(Seal)



Dated: 3-30-17

Signature: 

Typed Name: Brian S. Conklin
Orange, California

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State of _____, County of _____

On _____ before me
_____, Notary Public,
personally appeared

_____,
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 entity upon behalf of which the person(s) acted, executed the instrument.

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WITNESS my hand and official seal.

Signature of Notary
(Seal)