

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT7500124

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DUSTIN P. ARMER	05/10/2016
MICHAEL D. FRANKLIN	05/10/2016
SERGIO DELGADO	05/10/2016
ABHIJEET JOSHI	05/10/2016
DINESH L. SIRIMANNE	06/10/2016
RUSSELL T. JOSEPH	05/04/2016
EASON MICHAEL ABBOTT	05/10/2016
TRAM NGOC NGUYEN	05/10/2016
SON V. NGUYEN	05/10/2016
HIEN TRAN NGO	05/10/2016
VIVIAN TRAN	05/10/2016
CHARLES L. BOWMAN	05/10/2016
STANTON J. ROWE	01/26/2017

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:	17583515

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.

Phone: 9492507377**Email:** mariel_sandoval@edwards.com**Correspondent Name:** MARIEL SANDOVAL**Address Line 1:** ONE EDWARDS WAY**PATENT**

Address Line 4:	IRVINE, CALIFORNIA 92614
ATTORNEY DOCKET NUMBER:	THVDL-8216US10
NAME OF SUBMITTER:	MARIEL SANDOVAL
SIGNATURE:	/Mariel Sandoval/
DATE SIGNED:	08/23/2022

Total Attachments: 10

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

DOCKING STATION FOR A TRANSCATHETER HEART VALVE

- for which an application for a United States Letters Patent was filed February 5, 2016,
as U.S. Application Number 62/292142.
- for which an 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 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 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 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 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: 5-10-2016

Signature: [Signature]

Typed Name: Michael D. Franklin
Corona, California

Dated: 5/10/2016

Signature: [Signature]

Typed Name: Dustin P. Arner
Costa Mesa, California

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State of CA, County of Orange

State of CA, County of Orange

On May 10th, 2016 before me Shae M. Rivera, Notary Public, personally appeared Michael D. Franklin, 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.

On May 10th, 2016 before me Shae M. Rivera, Notary Public, personally appeared Dustin P. Arner, 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.

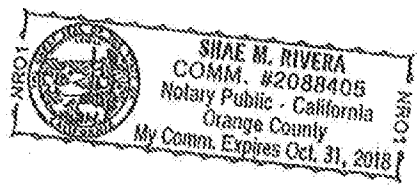
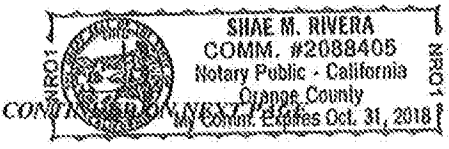
WITNESS my hand and official seal.

[Signature]
Signature of Notary

[Signature]
Signature of Notary

(Seal)

(Seal)



Dated: 5-10-2016

Signature: [Handwritten Signature]

Typed Name: Sergio Delgado
Irvine, California

Dated: 05/10/2016

Signature: [Handwritten Signature]

Typed Name: Abhijeet Joshi
Tustin, California

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State of CA, County of Orange

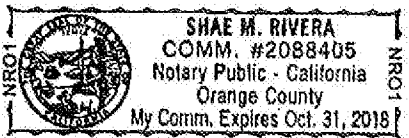
On May 10, 2016 before me Shae M. Rivera, Notary Public, personally appeared Sergio Delgado,

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. [Handwritten Signature]

Signature of Notary
(Seal)



State of CA, County of Orange

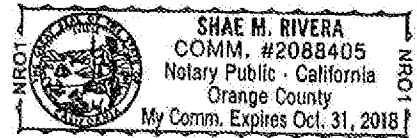
On May 10, 2016 before me Shae M. Rivera, Notary Public, personally appeared Abhijeet Joshi,

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. [Handwritten Signature]

Signature of Notary
(Seal)



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Dated: 6/20/2016

Signature: *Dinesh L. Sirimanne*

Typed Name: Dinesh L. Sirimanne
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 CA, County of Orange

On June 20, 2016 before me
Shae M. Rivera, Notary Public,
personally appeared

Dinesh L. Sirimanne,
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.

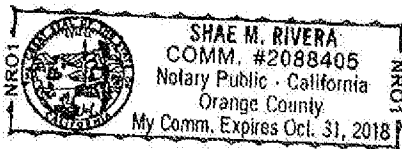
I certify under PENALTY OF PERJURY under
the laws of the State of California that the
foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Shae M. Rivera

Signature of Notary

(Seal)



CONTINUED ON NEXT PAGE

Dated: _____

Signature: _____

Typed Name: Russell T. Joseph
Las Flores, 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: _____

Signature: _____

Typed Name: Dinesh L. Srinanane
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: May 4, 2016

Signature: _____

Typed Name: Russell T. Joseph
Las Flores, 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 CA, County of Orange

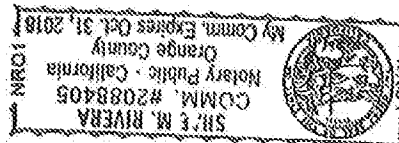
On May 4, 2016 before me Shirley R. Rivera, Notary Public, personally appeared Russell T. Joseph

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: 5/10/16
 Signature: [Signature]
 Typed Name: Eason Michael Abbott
Huntington Beach, California

Dated: 05/10/16
 Signature: [Signature]
 Typed Name: Tram Ngoc Nguyen
Santa Ana, California

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State of CA, County of Orange
 On May 10th, 2016 before me
Shae M. Rivera, Notary Public,
 personally appeared
Eason Michael Abbott,
 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 May 10th, 2016 before me
Shae M. Rivera, Notary Public,
 personally appeared
Tram Ngoc Nguyen,
 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.

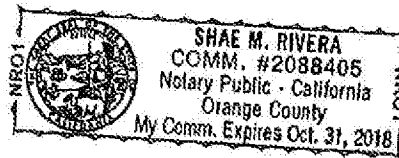
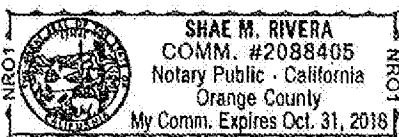
I certify under PENALTY OF PERJURY under
 the laws of the State of California that the
 foregoing paragraph is true and correct.

WITNESS my hand and official seal.

WITNESS my hand and official seal.

[Signature]
 Signature of Notary
 (Seal)

[Signature]
 Signature of Notary
 (Seal)



CONTINUED ON NEXT PAGE

Dated: May 10, 2016

Signature:

Typed Name: Son V. Nguyen
Irvine, California

Dated: 05/10/2016

Signature:

Typed Name: Hien Tran Ngo
Irvine, California

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State of CA, County of Orange

On May 10th, 2016 before me
Shae M. Rivera, Notary Public,
personally appeared

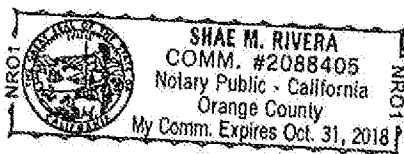
Son V. Nguyen,
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument 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)



State of CA, County of Orange

On May 10th, 2016 before me
Shae M. Rivera, Notary Public,
personally appeared

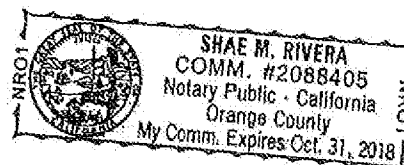
Hien Tran Ngo,
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument 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)



CONTINUED ON NEXT PAGE

Dated: 5/10/16
 Signature: [Handwritten Signature]
 Typed Name: Vivian Tran
Santa Ana, California

Dated: 7/13/16
 Signature: [Handwritten Signature]
 Typed Name: Alejandro J. Froimovich Rosenberg
Sherman Oaks, California

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State of CA, County of Orange
 On May 10, 2016 before me
Shae M. Rivera, Notary Public,
 personally appeared
Vivian Tran
 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.

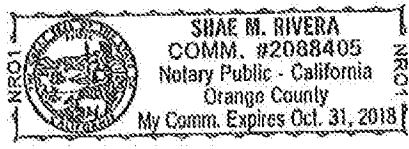
State of CA, County of Orange
 On July 13, 2016 before me
Shae M. Rivera, Notary Public,
 personally appeared
Alejandro J. Froimovich Rosenberg
 who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that 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.
[Handwritten Signature]
 Signature of Notary
 (Seal)

WITNESS my hand and official seal.
[Handwritten Signature]
 Signature of Notary
 (Seal)



CONTINUED ON NEXT PAGE

Dated: 5/10/16
Signature: Charles L. Bowman

Typed Name: Charles L. Bowman
Rancho Santa Margarita, California

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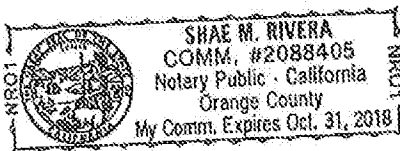
State of CA, County of Orange

On May 10th 2016 before me Shae M. Rivera, Notary Public, personally appeared Charles L. Bowman, 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.

Shae M. Rivera
Signature of Notary
(Seal)



CONTINUED ON NEXT PAGE

Dated: 05-10-2016
Signature: Michael G. Valdez

Typed Name: Michael G. Valdez
Riverside, California

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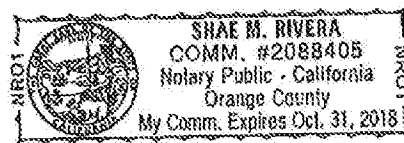
State of CA, County of Orange

On May 10th 2016 before me Shae M. Rivera, Notary Public, personally appeared Michael G. Valdez, 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.

Shae M. Rivera
Signature of Notary
(Seal)



Dated: JAN 26 2017

Signature: [Handwritten Signature]

Typed Name: Stanton J. Rowe
Newport Coast, California

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State of CA, County of ORANGE

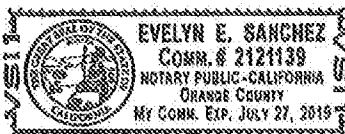
On 1/26/17 before me Evelyn Sanchez, Notary Public, personally appeared Stanton J. Rowe

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: _____

Signature: _____

Typed Name: _____

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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.

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)