11/14/2017 504641530

PATENT ASSIGNMENT COVER SHEET

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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 **EDWARDS LIFESCIENCES CORPORATION Correspondent Name:**

Address Line 1: ONE EDWARDS WAY Address Line 2: C/O LEGAL DEPARTMENT Address Line 4: IRVINE, CALIFORNIA 92614

HVTSV-8369US03		
THOMAS RICHARDSON		
/Thomas Richardson/		
11/14/2017		
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Whereas, we have invented certain new and useful improvements entitled:

VALVE IMPLANT WITH INTEGRATED SENSOR AND TRANSMITTER

X	for which a provisional application for a United States Lett	ers Patent was filed on
	November 3, 2016 , as U.S. Application Number	62/417206
	for which a provisional application for a United States Lett	ers 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//7	Dated:
Signature: 22257	Signature:
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.	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
Onbefore me, Notary Public, personally appeared	On
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.	who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is subscribed to the within instrument and acknowledged to me that he/she/they execute same in his/her/their authorized capacity(ies), 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 laws of the State of California that the foregoing paragraph is true and correct. WITNESS my hand and official seal.
Signature of Notary (Seal)	Signature of Notary (Seal)

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ALL-PORPOSE ACKNOWLEDGMENT

California		

CIVIL CODE § 1189

A notary public or other officer completing this certificate document to which this certificate is attached, and not the	te verifies only the identity of the individual who signed the e truthfulness, accuracy, or validity of that document.	
State of California) County of <u>DRANASE</u>) On <u>APRIL 3, 2017</u> before me, <u>KIM</u> Date personally appeared <u>DONIALD</u> E BOBO	SHREUTELKAMP, NOTARY PURIC. Here Insert Name and Title of the Officer Name(s) of Signer(s)	
subscribed to the within instrument and acknowled	evidence to be the person(s) whose name(s) is/are edged to me that he she/they executed the same in the person(s),	
KIM SCHREUTELKAMP Commission # 2134781 Notary Public - County	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 Signature of Notary Public	
Place Notary Seal Above		
	information can deter alteration of the document or form to an unintended document.	
Description of Attached Document Title or Type of Document: VALVE IMPLANT WI	THEOPHED SENSOR AND TRANSMITTED Named Above:	2. Assamon
Capacity(ies) Claimed by Signer(s) Signer's Name: Corporate Officer — Title(s): Partner — Limited General Individual Attorney in Fact Guardian or Conservator Other: Signer Is Representing:	Signer's Name:	
	y.org • 1-800-US NOTARY (1-800-876-6827) Item #5907	

Page 2

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:	<u> </u>
Signature:	
Typed Name:	Donald E. Bobo, Jr. Santa Ana, California
certificate ver individual wh certificate is att	ic or other officer completing this ifics only the identity of the o signed the document to which this ached, and not the truthfulness, lidity of that document.
State of	, County of
On	before me , Notary Public,
personally app	eared
evidence to be subscribed to the acknowledged same in his/her that by his/her/ the person(s), or	me on the basis of satisfactory the person(s) whose name(s) is/are ne within instrument and to me that he/she/they executed the r/their authorized capacity(ies), and their signature(s) on the instrument or entity upon behalf of which the l, executed the instrument.
the laws of the foregoing para	PENALTY OF PERJURY under State of California that the graph is true and correct.
WITNESS my	hand and official seal.
Signatu (Seal)	re of Notary

Docket No.: HVTSV-8369US02

Dated: _____11/1/17

Solves

Salvador Marquez

Foothill Ranch, California

Docket No.: HVTSV-8369US02

Dated: <u>Nov</u>	8,2017	Dated:
Signature:	- Un Summer	Signature:
Typed Name:	Da-Yu Chang / Irvine, California	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 multipliness, 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)

Docket No.: HVTSV-8369US02

Dated:		Dated:	April -	7,2017	
Signature:		Signature	: (2061)	47 /m	
Typed Name: Da-Yu Ch Irvine, Ca		Typed Na		/oo esa, California	
A notary public or other of certificate verifies only the individual who signed the a certificate is attached, and no accuracy, or validity of that d	identity of the locument to which this t the truthfulness,	certifica individu certificat	te verifies only th al who signed the	e document to which this not the truthfulness,	
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On	before me _, Notary Public,		111Ado	O/ Defore me	
personally appeared			appeared		
who proved to me on the be evidence to be the person(s subscribed to the within insacknowledged to me that he same in his/her/their author that by his/her/their signature the person(s), or entity upoperson(s) acted, executed the laws of the State of Calforegoing paragraph is true) whose name(s) is/are strument and e/she/they executed the rized capacity(ies), and are(s) on the instrument in behalf of which the ne instrument. OF PERJURY under ifornia that the	evidence subscribed acknowle same in that by that the person person(s) I certify up the laws of	to be the person of to the within it dged to me that is/her/their author/her/their signation or entity up acted, executed ander PENALTY	be/she/they executed orized capacity(ies), ture(s) on the instrument behalf of which the instrument. Y OF PERJURY und alifornia that the	d the and nent he
WITNESS my hand and of	ficial seal.		S my hand and d	official seal.	
Signature of Notary (Seal)			nature of Notar	y	
			MAUF Notary Pu Oran Commiss	REEN ADOIS Ablic - California Ige Gounty Ion # 2150325 Spires Apr 24, 2020	

Signature

Typed Name:

Hao-Chung Yang

Tustin, 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.

before me Notary Public,

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/hef/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)



MAURIEN ADDIS Notacy Public - California Orange County Commission # 2150325 My Comm. Expires Apr 24, 2020

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MAUREEN ADDIS Notary Public - California Orange County Commission \$ 2150325 My Comm. Expires Apr 24, 2020

Signature:

Typed Name':

Lynn T. Dang

Huntington Beach, 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.

County of /// State of

, Notary Public,

personally appeared

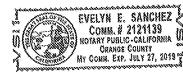
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s),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



PATENT

Alexander H. Siemons Typed Name:

Yorba Linda, California

Dated: _ Signature: Yaron Keidar

Haifa, Israel

Typed Name:

ASSIGNMENT Page 5

Docket No.: HVTSV-8369US02

Dated: Dated: S-NOV-20/2
Signature: Signature: Typed Name: Alexander H. Siemons Yorba Linda, California

Typed Name: Yaron Keidar Haifa; Israel

4/5/17 Dated: Signature: Signature: Typed Name: Virginia Qi Lin Typed Name: Jayler A. Sanguinetti Irvine, California Santa Ana, California A notary public or other officer completing this A notary public or other officer completing this certificate verifies only the identity of the certificate verifies only the identity of the individual who signed the document to which this individual who signed the document to which this certificate is attached, and not the truthfulness, certificate is attached, and not the truthfulness, accuracy, or validity of that document accuracy, or validity of that document. , County of Warral State of Abefore me On before me , Notary Public. / SNotary Public, personally appeared /112aini4 who proved to me on the basis of satisfactory who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and subscribed to the within instrument and acknowledged to me that he/she/they executed the acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument that by his/her/theif signature(s) on the instrument the person(s), or entity upon behalf of which the the person(s), or entity upon behalf of which the person(s) acted, executed the instrument. person(s) acted, executed the instrument. I certify under PENALTY OF PERJURY under I certify under PENALTY OF PERJURY under the laws of the State of California that the the laws of the State of California that the foregoing paragraph is true and correct. foregoing paragraph is true and correct. WITNESS my hand and official seal. WITNESS my hand and official seal. Signature of Notary Signature of Notary (Seal) EVELYN E. SANCHEZ COMM. # 2121139 HOTARY PUBLIC - CALIFORNIA WO ORANGE COUNTY MY COMM. EXP. JULY 27, 2818

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MAUREEN ADDIS Notary Public - California Oranga County Commission # 2150325 My Comm. Expiras Apr 24, 2020

Typed Name: Brian S. Conklin Orange, 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	Dated: 3.30-12
Orange, 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	Signature:
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On	dertificate verifies only the identity of the findividual who signed the document to which this certificate is attached, and not the truthfulness,
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.	State of, County of
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.	Notary Public,
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.	personally appeared ,
the laws of the State of California that the foregoing paragraph is true and correct. WITNESS my hand and official seal. Signature of Notary	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 he person(s), or entity upon behalf of which the
Signature of Notary	the laws of the State of California that the
	WITNESS my hand and official seal.