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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MANOUCHEHR A. MIRAKI	08/01/2013
KEVIN K. DANG	08/01/2013

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15803632

CORRESPONDENCE DATA

Fax Number: (949)250-6850

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: 9492505441

Email: Nina_Sanchez@edwards.com
Correspondent Name: NINA BURCHERI-SANCHEZ

Address Line 1: ONE EDWARDS WAY

Address Line 2: LEGAL DEPT

Address Line 4: IRVINE, CALIFORNIA 92614

ATTORNEY DOCKET NUMBER:	6859US03
NAME OF SUBMITTER:	PUI TONG HO
SIGNATURE:	/puitongho 44155/
DATE SIGNED:	11/08/2017

Total Attachments: 2

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PATENT 504632515 REEL: 044070 FRAME: 0671

Docket No.: CSS-6859PRO Page 1

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

TISSUE RETRACTOR

X	for which a provisional application for a Unit	ted States Letters Patent was filed	on
<u></u>	July 9, 2013, as U.S. Application	n Number 61/844,405	
	for which a provisional application for a Uni	ted States Letters Patent is filed he	erewith.

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

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Page 2

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.

Typed Name:	Manouchehr A. Miraki Laguna Hills, California
State of	_, County of
On August	1. 2013 before me
Colema R	before me before me, Notary Public,
personally appe	ared
MINOUCE	week A. Warake,
who proved to r	ne on the basis of satisfactory
evidence to be t	he person(s) whose name(s) is/are
	e within instrument and
acknowledged t	o me that he/she/they executed the
	their authorized capacity(ies), and
	heir signature(s) on the instrument r entity upon behalf of which the
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person(s) acted,) WART WITH THE TARK ARREST TO THE TARK THE THE TARK THE
I certify under I	PENALTY OF PERJURY under
the laws of the	State of California that the
foregoing parag	graph is true and correct.
WITNESS my	hand and official seal.
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	e of Notary

CORRINN R. DAVIS Commission # 1895701 Notary Public - California

Orange County

My Comm. Expires Jul 16, 2014

Docket No.: CSS-6859PRO

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Dated: 08/01/2013
Signature:
Signature.
Typed Name: Kevin Dang
Garden Grove, California
State of, County of
On August 1, 2013 before me
Motary Public,
personally appeared
KOVIN 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.
WITNESS my hand and official seal.
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Signature of Notary
(Seal)
CORRINN R. DAVIS
Commission # 1895701

Orange County

My Comm. Expires Jul 16, 2014