## 504598785 10/18/2017

# **PATENT ASSIGNMENT COVER SHEET**

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4645497

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
LISA M. LARKIN	07/19/2016
ELLEN M. ARRUDA	07/19/2016
MICHAEL J. SMIETANA	10/28/2016
PABLO MONCADA-LARROTIZ	10/29/2016

#### **RECEIVING PARTY DATA**

Name:	THE REGENTS OF THE UNIVERSITY OF MICHIGAN
Street Address:	1600 HURON PARKWAY
Internal Address:	2ND FLOOR
City:	ANN ARBOR
State/Country:	MICHIGAN
Postal Code:	48109-2590

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15211501

#### **CORRESPONDENCE DATA**

**Fax Number:** (248)689-4071

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: 248-689-3500 Email: tack@reising.com

Correspondent Name: JAMES D. STEVENS REISING ETHINGTON P.C.

Address Line 1: P.O. BOX 4390

Address Line 4: TROY, MICHIGAN 48099

ATTORNEY DOCKET NUMBER:	7935-3103-2
NAME OF SUBMITTER:	PAULA TACK
SIGNATURE:	/paula tack/
DATE SIGNED:	10/18/2017

**Total Attachments: 4** 

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PATENT REEL: 043889 FRAME: 0713

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PATENT REEL: 043889 FRAME: 0714

For the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the undersigned:

Lisa M. LARKIN [Full Name of Assigner #1]	, residing at <u>508</u>	32 Arbor Valle	y Lane, Ann Arbor, MI 4 [Residence Address]	18105
Ellen M. ARRUDA  (Full Name of Assignor #2)	, residing at <u>652</u>	8 Fleming Cr	eek Dr., Ann Arbor MI [Resident Address]	48105
Michael J. SMIETANA	, residing at 418	3 Village Gree	n Blvd. Apt 202, Ann Ar	bor. Ml. 48105
[Full Nome of Assignor #3]			[Residence Address]	eritaria de la constitución de l
Pablo MONCADA-LARROTI (Pull Name of Assignar #4)	Z_, residing at 377		Ann Arbor, MI, 48105 Residence Address/	
do hereby assign, sell and set of	over to:			
The	e Regents of The U		chigan	, located at
1600 H	luron Parkway, 2nd		rbor, MI 48109-2590	
(hereinafter referred to as Assi and interest, domestic and for forth in the application for Uni	eign, in and to any ited States Letters p	rs, assigns or and all patent atent, entitled	rights covering invent	ions and discoveries set
BIOREACTOR AND	METHOD OF FOR	RMING MULTI voton Tule)	-PHASIC TISSUE COI	NSTRUCTS
including, but not limited to, th	ne entire right, title	and interest in	the following patent a	pplication(s):
Application No1	5/211,501 ,	filed	July 15, 2016	<b></b>
Application No.	52/193,030 ,	filed	July 15, 2015	
Application No.	***************************************	filed		<b>.</b>
including the right of said Assi including original, continuation inventions and discoveries in hereby assign, sell and set overights of priority in and to said to insert the Serial Number and The undersigned hereby rethe rights being granted herein applications for Letters Patent which said Assignee, its succeptate the rights herein assignment of the rights herein assignment.	on, and divisional the United States are to said Assigne patent applications I Filing Date of any expresent and warrant. Further, the under of any and all kinds essors, assigns or	applications, and in any and in any and in any and in, its success in all countries such patent and that no right resigned hereby and in any and other legal resigned in any and its resigned in any and any any and any any and any any and any any any any and any any any and any any any any any and any any any any any and any any any any any a	and to receive Letter d all foreign countries ors, assigns or other less. The Assignee and i pplication(s) in the sparts have been granted the agree to execute any and all countries and to p	s Patent covering said. And the undersigned egal representatives, all its agents are authorized ces provided above. The are inconsistent with and all papers, including perform any and all acts or necessary to secure
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		propholin the	Ellen M. ARRUI	DA .
•				
			Michael J. SMIET	ANA
			Pable MONCADA-LA	RROTIZ

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For the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the undersigned:

Lisa M. LARKIN  [Full Name of Assignment]	, residing at	5082 Arbor V	alley Lane, Ann Arbor, MI 4	8105
Ellen M. ARRUDA			(Residence Address)   Creek Dr., Ann Arbor Ml 4	
(Full Name of Assignor #2)			[Residence Address]	
Michael J. SMIETANA (Full Name of Astriguor #1)	, residing at	118 Village G	reen Blvd. Apt 202, Ann Art	oor, MI, 48105
Pablo MONCADA-LARRO	OTIZ, residing at 3	3771 Quail R		
do hereby assign, sell and s	set over to:		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	The Regents of The	a University e	f Michigan	, located at
	[Full Leg	ul Name of Assignee	s wardingan	, localed at
160	00 Huron Parkway,	2nd Floor, An	n Arbor, MI 48109-2590	
(hereinafter referred to as and interest, domestic and forth in the application for	Assignee), its succes foreign, in and to a	sors, assigns	tent rights covering invention	es, the entire right, title ons and discoveries set
BIOREACTOR A	ND METHOD OF F	ORMING MU	ILTI-PHASIC TISSUE CON	STRUCTS
including, but not limited t		pplication Title) tle and intere	st in the following patent ap	plication(s):
Application No.	15/211,501	, filed	July 15, 2016 ,	
Application No.	62/193,030	, filed	July 15, 2015 ,	
Application No.		, filed		
the rights being granted her applications for Letters Pate which said Assignee, its s thereto the rights herein ass	nation, and division in the United State to over to said Assignated patent application and Filing Date of any represent and was rein. Further, the unent of any and all kinuccessors, assigns igned, sold and set of the united to the control of the	nal applications and in any gree, its success in all cours in all cours any such pater and that no indersigned he not and in any or other legions.	ons, and to receive Letters and all foreign countries. cessors, assigns or other legarties. The Assignee and it application(s) in the spacinghts have been granted that reby agree to execute any any and all countries and to p	And the undersigned gal representatives, all as agents are authorized ses provided above. at are inconsistent with and all papers, including perform any and all acts
Date: July 19, 2	014		unitide a salidable was well as the salidable and salidable as the salidab	
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			See THAN	4
			Ellen M. ARRIX	JA .
			Michael J. SMIET	ANA

For the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the undersigned:

Lisa M. LARKIN  [Full Name of Assignar #1]	, residing at 5082 Arbor V	alley Lane, Ann Arbor, N	11 48105
[Full Name of Assignor #2]	, residing at 6528 Fleming	[Residence Address]	11 48103
Michael J. SMIETANA (Full Name of Assignor #3)	, residing at 418 Village G	reen Blvd. Apt 202, Ann (Residence Address)	Arbor, MI, 48105
Pablo MONCADA-LARROTIZ  [Full Name of Assignar #4]	, residing at 3771 Quail R	un, Ann Arbor, MI, 4810	5
do hereby assign, sell and set over	r to:		
The Ro	egents of The University of [Full Legal Name of Assignee]	f Michigan	, located at
1600 Huro	on Parkway, 2nd Floor, Ar	n Arbor, MI 48109-2590	)
(hereinafter referred to as Assigned and interest, domestic and foreign forth in the application for United	ee), its successors, assigns	tent rights covering inve	
BIOREACTOR AND ME	THOD OF FORMING MU [Patent Application Title]	ILTI-PHASIC TISSUE C	ONSTRUCTS
including, but not limited to, the e	ntire right, title and intere	st in the following patent	application(s):
Application No. 15/2	11,501 , filed	July 15, 2016	
Application No. 62/1			
Application No.	, filed		
including the right of said Assigned including original, continuation, inventions and discoveries in the hereby assign, sell and set over rights of priority in and to said patto insert the Serial Number and Fix.  The undersigned hereby represente rights being granted herein. For applications for Letters Patent of a which said Assignee, its success thereto the rights herein assigned,	and divisional application. United States and in any to said Assignee, its succept applications in all coupling Date of any such pater sent and warrant that no purther, the undersigned heavy and all kinds and in an ors, assigns or other legal	ons, and to receive Let and all foreign countrivessors, assigns or other ntries. The Assignee and application(s) in the sights have been granted reby agree to execute any and all countries and to	ters Patent covering saidles. And the undersigned legal representatives, all dits agents are authorized paces provided above, that are inconsistent with and all papers, including a perform any and all acts.
Date: 10/28/16		Lisa M, LA	RKIN
		Ellen M. ARI	Velus Jetana

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For the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the undersigned:

Ellen M. ARRUDA    First Name of Assigner #]   residing at 6528 Fleming Creek Dr., Ann Arbor MI 48105   First Name of Assigner #1]   residing at 418 Village Green Blvd, Apt 202, Ann Arbor, MI, 48105   First Name of Assigner #1]   residing at 3771 Quali Run, Ann Arbor, MI, 48105   First Name of Assigner #1]   Residence Address)   Pablo MONCADA-LARROTIZ   residing at 3771 Quali Run, Ann Arbor, MI, 48105   First Name of Assigner #1]   Regents of The University of Michigan   Interest Assigner #1]   Interest #1]   I
Michael J. SMIETANA , residing at 418 Village Green Blvd. Apt 202, Ann Arbor, MI, 48105    Pablo MONCADA-LARROTIZ   residing at 3771 Quail Run, Ann Arbor, MI, 48105   Pablo MONCADA-LARROTIZ   residing at 3771 Quail Run, Ann Arbor, MI, 48105   Pablo MONCADA-LARROTIZ   residing at 3771 Quail Run, Ann Arbor, MI, 48105   Pablo Moncada
Pablo MONCADA-LARROTIZ   residing at 3771 Quali Run, Ann Arbor, MI, 48105
do hereby assign, sell and set over to:  The Regents of The University of Michigan  It is successors, assigns or other legal representatives, the entire right, title and interest, domestic and foreign, in and to any and all patent rights covering inventions and discoveries set forth in the application for United States Letters patent, entitled:  BIOREACTOR AND METHOD OF FORMING MULTI-PHASIC TISSUE CONSTRUCTS  Including, but not limited to, the entire right, title and interest in the following patent application(s):  Application No. 15/211,501 , filed July 15, 2016 ,  Application No. 62/193,030 , filed July 15, 2015 ,  Application No. filed July 15, 2015 ,  Application No. 15/211,501 and divisional applications, and to receive Letters Patent covering said inventions and discoveries in the United States and in any and all foreign countries. And the undersigned hereby assign, sell and set over to said Assignee, its successors, assigns or other legal representatives. And the undersigned hereby assign, sell and set over to said Assignee, its successors, assigns or other legal representatives, all rights of priority in and to said patent applications in all countries. The Assignee and its agents are authorized
The Regents of The University of Michigan    Phill Legal Name of Jangacet
(hereinafter referred to as Assignee), its successors, assigns or other legal representatives, the entire right, title and interest, domestic and foreign, in and to any and all patent rights covering inventions and discoveries set forth in the application for United States Letters patent, entitled:
(hereinaster referred to as Assignee), its successors, assigns or other legal representatives, the entire right, title and interest, domestic and foreign, in and to any and all patent rights covering inventions and discoveries set forth in the application for United States Letters patent, entitled:    BIOREACTOR AND METHOD OF FORMING MULTI-PHASIC TISSUE CONSTRUCTS   Patent Application Including, but not limited to, the entire right, title and interest in the following patent application(s):    Application No.
(hereinafter referred to as Assignee), its successors, assigns or other legal representatives, the entire right, title and interest, domestic and foreign, in and to any and all patent rights covering inventions and discoveries set forth in the application for United States Letters patent, entitled:
including, but not limited to, the entire right, title and interest in the following patent application(s):  Application No. 15/211,501 , filed July 15, 2016 ,  Application No. 62/193,030 , filed July 15, 2015 ,  Application No. , filed ,
Application No. 15/211,501 , filed July 15, 2016  Application No. 62/193,030 , filed July 15, 2015 ,  Application No. , filed
Application No. 15/211,501 , filed July 15, 2016  Application No. 62/193,030 , filed July 15, 2015 ,  Application No. , filed
Application No, filed, filed, including the right of said Assignee, its successors, assigns or other legal representatives to make applications, including original, continuation, and divisional applications, and to receive Letters Patent covering said inventions and discoveries in the United States and in any and all foreign countries. And the undersigned hereby assign, sell and set over to said Assignee, its successors, assigns or other legal representatives, all rights of priority in and to said patent applications in all countries. The Assignee and its agents are authorized
Application No, filed, filed, including the right of said Assignee, its successors, assigns or other legal representatives to make applications, including original, continuation, and divisional applications, and to receive Letters Patent covering said inventions and discoveries in the United States and in any and all foreign countries. And the undersigned hereby assign, sell and set over to said Assignee, its successors, assigns or other legal representatives, all rights of priority in and to said patent applications in all countries. The Assignee and its agents are authorized
including the right of said Assignee, its successors, assigns or other legal representatives to make applications, including original, continuation, and divisional applications, and to receive Letters Patent covering said inventions and discoveries in the United States and in any and all foreign countries. And the undersigned hereby assign, sell and set over to said Assignee, its successors, assigns or other legal representatives, all rights of priority in and to said patent applications in all countries. The Assignee and its agents are authorized
The undersigned hereby represent and warrant that no rights have been granted that are inconsistent with the rights being granted herein. Further, the undersigned hereby agree to execute any and all papers, including applications for Letters Patent of any and all kinds and in any and all countries and to perform any and all acts which said Assignee, its successors, assigns or other legal representatives may deem necessary to secure thereto the rights herein assigned, sold and set over.
Date: 10/29/16
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Ellen M. ARRUDA
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Nichael J. SMIETANA
D. Mark
Peblo MONCADA-LARROTIZ
Return to James D. Stevens at Reising Ethington P.C., PO Box 4390, Troy, Michigan USA 48099-4390

PATENT REEL: 043889 FRAME: 0718

**RECORDED: 10/18/2017**