

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>QUYNH PHAM</td> <td>12/03/2013</td> </tr> <tr> <td>UPMA SHARMA</td> <td>12/03/2013</td> </tr> <tr> <td>JOHN MARINI</td> <td>12/03/2013</td> </tr> <tr> <td>XURI YAN</td> <td>12/03/2013</td> </tr> <tr> <td>ROBERT MULLIGAN</td> <td>12/03/2013</td> </tr> <tr> <td>TOBY FREYMAN</td> <td>12/03/2013</td> </tr> </tbody> </table>		Name	Execution Date	QUYNH PHAM	12/03/2013	UPMA SHARMA	12/03/2013	JOHN MARINI	12/03/2013	XURI YAN	12/03/2013	ROBERT MULLIGAN	12/03/2013	TOBY FREYMAN	12/03/2013
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RECEIVING PARTY DATA															
<table border="1"> <tr> <td>Name:</td> <td>ARSENAL MEDICAL, INC.</td> </tr> <tr> <td>Street Address:</td> <td>480 ARSENAL STREET</td> </tr> <tr> <td>City:</td> <td>WATERTOWN</td> </tr> <tr> <td>State/Country:</td> <td>MASSACHUSETTS</td> </tr> <tr> <td>Postal Code:</td> <td>02472</td> </tr> </table>		Name:	ARSENAL MEDICAL, INC.	Street Address:	480 ARSENAL STREET	City:	WATERTOWN	State/Country:	MASSACHUSETTS	Postal Code:	02472				
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PROPERTY NUMBERS Total: 1															
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>14053994</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14053994										
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Application Number:	14053994														
CORRESPONDENCE DATA															
Fax Number:	(202)373-6001														
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ATTORNEY DOCKET NUMBER:	7312312001														

NAME OF SUBMITTER:	SCOTT T. BLUNI
Signature:	/Scott T. Bluni/
Date:	12/04/2013
<p>Total Attachments: 8</p> <p>source=Assignment7312312001#page1.tif</p> <p>source=Assignment7312312001#page2.tif</p> <p>source=Assignment7312312001#page3.tif</p> <p>source=Assignment7312312001#page4.tif</p> <p>source=Assignment7312312001#page5.tif</p> <p>source=Assignment7312312001#page6.tif</p> <p>source=Assignment7312312001#page7.tif</p> <p>source=Assignment7312312001#page8.tif</p>	

PATENT APPLICATION
Assignment

For good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned, co-inventors:

QUYNH PHAM

UPMA SHARMA

JOHN MARINI

XURI YAN

ROBERT MULLIGAN

TOBY FREYMAN

Who have created a certain invention for which an application for United States Letters Patent entitled SYSTEMS AND METHODS FOR FACILITATING THE GENERATION OF CORE-SHEATH TAYLOR CONES IN ELECTROSPINNING, was filed at the U.S. Patent and Trademark Office on October 15, 2013 and assigned U.S. Patent Application Serial No. 14/053,994.

Do hereby sell, assign and transfer to Arsenal Medical, Inc. a corporation having a place of business at 480 Arsenal Street, Watertown, Massachusetts 02472, its successors, assigns, and legal representatives, the full and exclusive right to said invention and said application and to any and all inventions described in said invention and said application and to any and all inventions described in said application for the United States, its territorial possessions and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States, its territorial possessions and all foreign countries; and in and to any and all provisionals, continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, and all other applications for Letters Patent relating thereto which have been or shall be filed in the United States, its territorial possession and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, act, and treaties, including all future conventions, unions, agreements, acts, and treaties;

Agree that Arsenal Medical, Inc., hereinafter referred to as Assignee, may apply for and receive Letters Patent for said invention and said inventions, hereinafter referred to as said invention, in its own name, in the United States, its territorial possessions, and all foreign countries; and that, when requested to carry out in good faith the intent and purpose of this assignment, at the expense of said Assignee, its successors, assigns and legal representatives, the undersigned will execute all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, execute all rightful oaths, assignments, powers of attorney and other papers, testify in any legal or quasi legal proceedings; communicate to said Assignee, its successors, assigns or

legal representatives all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said invention and for vesting title to said invention and all applications for patents on said invention in said Assignee, successors, assigns, or legal representatives; and

Covenant with said Assignee, its successors, assigns, or legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same has herein expressed is possessed by the undersigned.

Assignor hereby grants the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

Bingham McCutchen LLP

Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

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[Signature Pages Follow]

IN THE TESTIMONY WHEREOF we have hereunto set our signatures on the date indicated below.

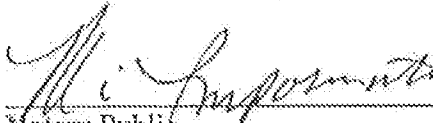


QUYNH PHAM

Date: Dec 3, 2013

United States of America)
State of MA.) ss.:
County of Worcester)

On this 3rd day of December, 2013, before me
personally came QUYNH PHAM, to me known to be the individual
described in and who executed the foregoing instrument, and acknowledged execution
of the same.



Notary Public



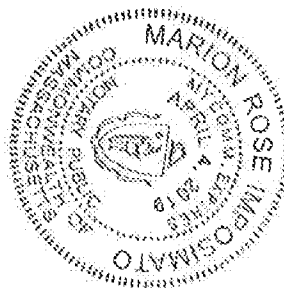
Upma Sharma
UPMA SHARMA

Date: Dec. 3, 2013

United States of America)
State of MA) ss.:
County of Middlesex

On this 3rd day of December, 2013, before me
personally came UPMA SHARMA, to me known to be the individual
described in and who executed the foregoing instrument, and acknowledged execution
of the same.

Michelle Rose Imperato
Notary Public



Signature Page to
"Systems and Methods for Facilitating the Generation of Core-Sheath
Taylor Cones in Electrospinning"

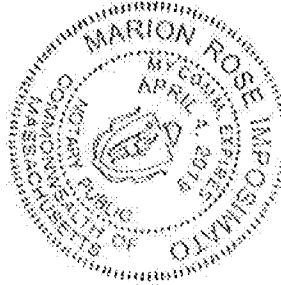

JOHN MARINI

Date: 03 Dec 2013

United States of America)
State of MA) ss.:
County of Middlesex

On this 3rd day of December, 2013, before me
personally came JOHN MARINI, to me known to be the individual
described in and who executed the foregoing instrument, and acknowledged execution
of the same.


Notary Public



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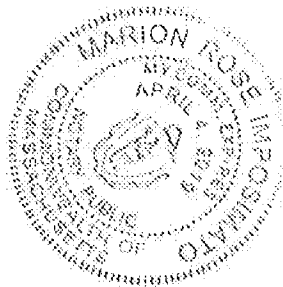
Xuri Yan
XURI YAN

Date: 12/03/2013


United States of America)
State of MA.) ss.:
County of Middlesex)

On this 3rd day of December, 2013, before me
personally came XURI YAN, to me known to be the individual
described in and who executed the foregoing instrument, and acknowledged execution
of the same.

Marion Rose Imparato
Notary Public



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ROBERT MULLIGAN

Date: 12/3/13


United States of America)
State of MA.) ss.:
County of Middlesex)

On this 3rd day of December, 2013, before me
personally came ROBERT MULLIGAN, to me known to be the individual
described in and who executed the foregoing instrument, and acknowledged execution
of the same.


Notary Public




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TOBY FREYMAN

Date: 3 DEC. 2013

United States of America)
State of MA.) ss.:
County of Worcester)

On this 3rd day of December, 2013, before me
personally came TOBY FREYMAN, to me known to be the individual
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Notary Public



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