

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4478120

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MARK A. SAAB	07/08/2014
MICHAEL D. BARBERE	07/07/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	VENTION MEDICAL ADVANCED COMPONENTS, INC.
<b>Street Address:</b>	29 NORTHWESTERN DRIVE
<b>City:</b>	SALEM
<b>State/Country:</b>	NEW HAMPSHIRE
<b>Postal Code:</b>	03079
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15172408
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)861-1783
<i>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.</i>	
<b>Phone:</b>	2028611500
<b>Email:</b>	patents@bakerlaw.com
<b>Correspondent Name:</b>	HUSSEIN AKHAVANNIK
<b>Address Line 1:</b>	1050 CONNECTICUT AVENUE, NW
<b>Address Line 2:</b>	SUITE 1100
<b>Address Line 4:</b>	WASHINGTON, D.C. 20036-5304
<b>NAME OF SUBMITTER:</b>	HUSSEIN AKHAVANNIK
<b>SIGNATURE:</b>	/Hussein Akhavannik/
<b>DATE SIGNED:</b>	06/26/2017
<b>Total Attachments: 3</b>	
source=Vention Assignment#page1.tif	
source=Vention Assignment#page2.tif	
source=Vention Assignment#page3.tif	

## ASSIGNMENT

We, Mark A. Saab, residing at 396 Andover Street, Lowell, Massachusetts 01852, and Michael D. Barbere, residing at 306 Groton Street, Dunstable, Massachusetts 01827, having invented improvements in Apparatus and Methods for Accessing and Dilating Bone Structures Using a Narrow Gauge Cannula identified as Attorney Docket No. API-040PCT/US, described in a U.S. patent application, which application was filed on September 17, 2013, and assigned Serial No. 14/005.622, for good and valuable consideration, receipt of which is hereby acknowledged from Vention Medical Advanced Components, Inc., a New Hampshire corporation having a place of business at 29 Northwestern Drive, Salem, New Hampshire 03079 (and hereinafter called the Assignee, which term shall include its successors and assigns), do hereby sell, assign and transfer unto the Assignee our entire right, title, and interest in and throughout the United States of America (including its territories and dependencies) and all countries foreign thereto, in and to and under said application (which term shall include hereinafter where the context so admits all divisional, continuing, reissue and other patent applications based thereon) and the inventions (which term shall include each and every such invention, or part thereof) therein described, and any and all patents and like rights of exclusion (including extensions thereof) of any country which may be granted on or for said inventions or on said application;

And for the same consideration we do also hereby sell, assign, and transfer unto the Assignee, all our rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, and all other treaties of like purpose in respect of said inventions and said application, and we do hereby authorize the Assignee to apply in our name or its own name or its designee for patents and like rights of exclusion on or for said inventions in all countries, claiming (if the Assignee so desires) the priority of the filing date of said application under the provisions of said Convention, Treaty or any such other Convention or Treaty;

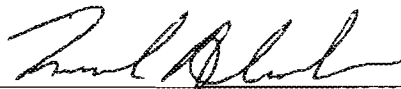
And for the same consideration, we do hereby agree for ourselves and for our heirs, executors, and administrators, promptly upon request of the Assignee to execute and deliver without further compensation any power of attorney, assignment, original, divisional, continuing, reissue or other application or applications for patent or patents or like rights of exclusion of any country, or other lawful documents and any further assurances that may be deemed necessary or desirable by the Assignee, fully to secure to it said right, title, and interest as aforesaid in and to said inventions, applications, and said several patents and like rights of exclusion (including extensions thereof) or any of them, all, however, at the expense of the Assignee, its successors, or assigns;

And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America and the corresponding Official of each country foreign thereto to issue to the Assignee, any and all patents and like rights of exclusion which may be granted in any country upon said United States application on or for said inventions;

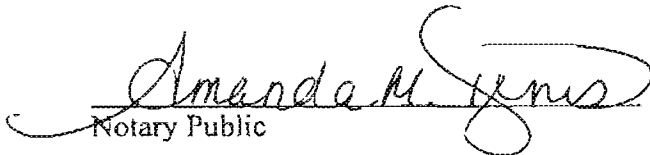
And I do hereby covenant for myself and my legal representatives and agree with the Assignee, that I have granted no right or license to make, use, or sell said inventions to anyone except the Assignee, that prior to the execution of this deed my right, title, and interest in and to said inventions has not been otherwise encumbered by me, and that I have not executed and will not execute any instruments in conflict herewith.

IN WITNESS WHEREOF, I hereunto set my hand and seal this 8 day of July 2014.

State of New Hampshire  
County of Rockingham

  
\_\_\_\_\_  
Mark A. Saab

Before me this 8 day of July 2014, personally appeared Mark A. Saab, who is to me personally known, and acknowledged the foregoing instrument to be his free act and deed.

  
\_\_\_\_\_  
Notary Public

AMANDA M. DINIS, Notary Public  
My Commission Expires May 12, 2015

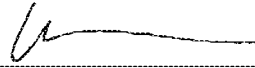


ATTORNEY DOCKET NO.: API-040PCT/US

And I do hereby covenant for myself and my legal representatives and agree with the Assignee, that I have granted no right or license to make, use, or sell said inventions to anyone except the Assignee, that prior to the execution of this deed my right, title, and interest in and to said inventions has not been otherwise encumbered by me, and that I have not executed and will not execute any instruments in conflict herewith.

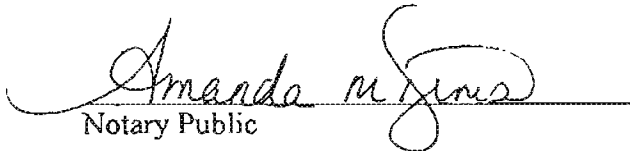
IN WITNESS WHEREOF, I hereunto set my hand and seal this 7 day of July 2014.

State of New Hampshire  
County of Brockingham



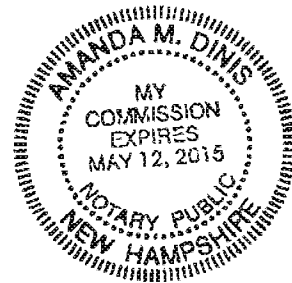
Michael D. Barbere

Before me this 7 day of July 2014, personally appeared Michael D. Barbere, who is to me personally known, and acknowledged the foregoing instrument to be his free act and deed.



Notary Public

AMANDA M. DINIS, Notary Public  
Commission Expires May 12, 2015



ATTORNEY DOCKET NO.: API-040PCT/US