

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4442705

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DAVID A. MIRE	05/18/2017
JOSEPH HENGESBACH	05/22/2017
MICHAEL SIMMONS	05/17/2017
CHRISTOPHER I SHAFFREY	05/19/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	WARSAW ORTHOPEDIC
<b>Street Address:</b>	2500 SILVEUS CROSSING
<b>City:</b>	WARSAW
<b>State/Country:</b>	INDIANA
<b>Postal Code:</b>	46582
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15605602
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	901399-2641
<b>Email:</b>	medtronic_spinal_docketing@cardinal-ip.com
<b>Correspondent Name:</b>	THOMAS S. WOLFE
<b>Address Line 1:</b>	2600 SOFAMOR DANER DRIVE
<b>Address Line 4:</b>	MEMPHIS, TENNESSEE 38132
<b>ATTORNEY DOCKET NUMBER:</b>	C00014432.USU1
<b>NAME OF SUBMITTER:</b>	THOMAS S. WOLFE
<b>SIGNATURE:</b>	/Thomas S. Wolfe/
<b>DATE SIGNED:</b>	06/02/2017
<b>Total Attachments: 5</b>	
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## A S S I G N M E N T

WHEREAS,

- |     |                         |  |
|-----|-------------------------|--|
| (1) | David A. Mire           | of the City of Cordova<br>State of Tennessee, USA        |
| (2) | Joseph Rosenberger      | of the City of Cordova<br>State of Tennessee, USA        |
| (3) | Michael Simmons         | of the City of Moscow<br>State of Tennessee, USA         |
| (4) | Christopher I. Shaffrey | of the City of Charlottesville<br>State of Virginia, USA |

have invented certain improvements in

## SPINAL IMPLANT SYSTEM AND METHOD

for which we have executed an application for Letters Patent of the United States of America,

\_\_\_\_\_ of even date herewith; and

  X   filed on May 25, 2017 and assigned application number 15/605,602; and

WHEREAS, we hereby authorize and request the attorneys of Assignee, Warsaw Orthopedic, Inc., of 2500 Silveus Crossing, Warsaw, Indiana 46582, to insert the filing date and application number of the application when known; and

WHEREAS, Warsaw Orthopedic, Inc. (Assignee), a corporation organized and existing under the laws of the State of Indiana, having its principal office and place of business in the City of Warsaw, State of Indiana, is desirous of obtaining the entire right, title, and interest in, to and under the invention and the application in the United States of America and in any and all countries foreign thereto;

NOW, THEREFORE, for One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the Assignee, its successors, legal representatives, and assigns, the entire right, title, and interest in, to and under the invention, and the application, and all divisional, renewal, substitutional, and continuing applications thereof, and all Letters Patent of the United States of America which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may be filed for the invention in any country or countries foreign to the United States of America, and all extensions, renewals, and reissues thereof, and all prior patents and patent applications for which a filing priority of the above-described patent application may be obtained, including the right to collect past damages; and we hereby authorize and request the Commissioner of Patents of the United States of America, and any official of any country or countries foreign to the United States of America, whose duty is to issue patents on applications as aforesaid, to issue all Letters Patent for the invention to the Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the Assignee, its successors, legal representatives and assigns, any facts known to me respecting the invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, renewal, substitutional, continuing, and reissue applications, make all rightful declarations and/or oaths and generally do everything possible to aid the Assignee, its successors, legal representatives and assigns, to obtain and enforce patent protection for the invention in all countries.

Inventor Name:  
Address:

**David A. Mire**  
10184 Woodland Hills Drive  
Cordova, Tennessee 38018

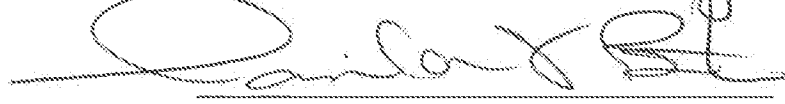
Dated: 5-18-2017

  
**David A. Mire**

STATE OF Tennessee  
COUNTY OF Shelby

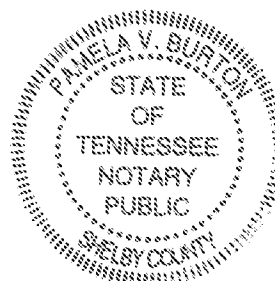
On this the 18 day of May, 2017, before me personally appeared **David A. Mire**, to me known (or proved to me on the basis of satisfactory evidence) to be the person described in and who executed the foregoing instrument, and acknowledged that he executed the same as his free act and deed.

WITNESS MY HAND and Seal at office this the 18 day of May, 2017.

  
Notary Public

My Commission Expires:

March 19, 2019



AND WE HEREBY covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the Assignee, its successors, legal representatives and assigns, any facts known to me respecting the invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, renewal, substitutional, continuing, and reissue applications, make all rightful declarations and/or oaths and generally do everything possible to aid the Assignee, its successors, legal representatives and assigns, to obtain and enforce patent protection for the invention in all countries.

Inventor Name:

**Joseph Rosenberger**

Address:

585 Sanga Circle East  
Cordova, Tennessee 38018

Dated: MAY 22, 2017

Joseph Rosenberger  
**Joseph Rosenberger**

STATE OF Tennessee

COUNTY OF Shelby

On this the 22 day of May, 2017, before me personally appeared **Joseph Rosenberger**, to me known (or proved to me on the basis of satisfactory evidence) to be the person described in and who executed the foregoing instrument, and acknowledged that he executed the same as his free act and deed.

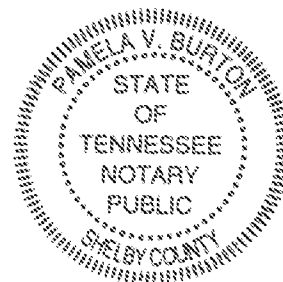
WITNESS MY HAND and Seal at office this the 22 day of May, 2017.

Pamela V. Burton

Notary Public

My Commission Expires:

March 19, 2019




AND WE HEREBY covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the Assignee, its successors, legal representatives and assigns, any facts known to me respecting the invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, renewal, substitutional, continuing, and reissue applications, make all rightful declarations and/or oaths and generally do everything possible to aid the Assignee, its successors, legal representatives and assigns, to obtain and enforce patent protection for the invention in all countries.

Inventor Name:  
Address:

**Michael Simmons**  
250 Corbitt Road  
Moscow, Tennessee 38057

Dated: 05/17/2017

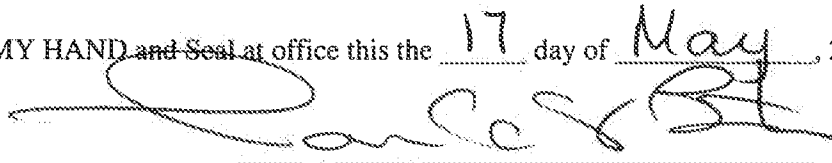
  
**Michael Simmons**

STATE OF Tennessee

COUNTY OF Shelby

On this the 17 day of May, 2017, before me personally appeared **Michael Simmons**, to me known (or proved to me on the basis of satisfactory evidence) to be the person described in and who executed the foregoing instrument, and acknowledged that he executed the same as his free act and deed.

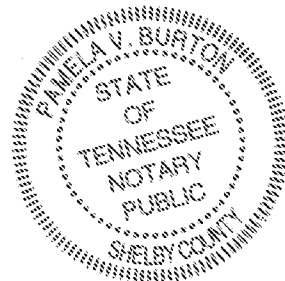
WITNESS MY HAND and Seal at office this the 17 day of May, 2017.



Notary Public

My Commission Expires:

March 19, 2019



AND WE HEREBY covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the Assignee, its successors, legal representatives and assigns, any facts known to me respecting the invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, renewal, substitutional, continuing, and reissue applications, make all rightful declarations and/or oaths and generally do everything possible to aid the Assignee, its successors, legal representatives and assigns, to obtain and enforce patent protection for the invention in all countries.

Inventor Name:

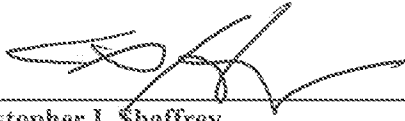
Christopher I. Shaffrey

Address:

3325 Rosedale Lane  
Charlottesville, Virginia 22902

Dated:

5/19/17

  
Christopher I. Shaffrey

STATE OF

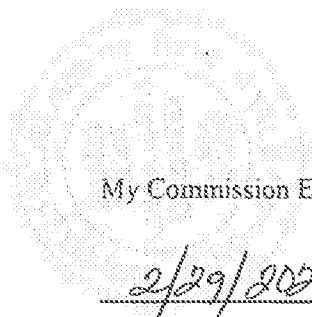
Virginia

COUNTY OF

Albemarle

On this the 19<sup>th</sup> day of May, 2017, before me personally appeared Christopher I. Shaffrey, to me known (or proved to me on the basis of satisfactory evidence) to be the person described in and who executed the foregoing instrument, and acknowledged that he executed the same as his free act and deed.

WITNESS MY HAND and Seal at office this the 19 day of May, 2017.

  
Dell Harlow Brooks  
Notary Public, #228933

My Commission Expires:

2/29/2020