

**PATENT ASSIGNMENT**

Electronic Version v1.1  
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Thomas A. Carls	09/30/2009
Newton H. Metcalf Jr.	09/30/2009
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Warsaw Orthopedic, Inc.
<b>Street Address:</b>	2500 Silveus Crossing
<b>City:</b>	Warsaw
<b>State/Country:</b>	INDIANA
<b>Postal Code:</b>	46581
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	12570264
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(901)399-3040
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
<b>Phone:</b>	901-396-3133
<b>Email:</b>	memipdocketing@medtronic.com
<b>Correspondent Name:</b>	Warren M. Haines, II
<b>Address Line 1:</b>	2600 Sofamor Danek Drive
<b>Address Line 2:</b>	SS-46
<b>Address Line 4:</b>	Memphis, TENNESSEE 38132
<b>ATTORNEY DOCKET NUMBER:</b>	P0034795.00
<b>NAME OF SUBMITTER:</b>	Warren M. Haines, II

Total Attachments: 3  
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**PATENT  
 REEL: 023308 FRAME: 0092**

CH \$40.00 12570264



ASSIGNMENT

WHEREAS,

- (1) Thomas A. Carls of the City of Memphis  
State of Tennessee, USA
- (2) Newton H. Metcalf, Jr. of the City of Memphis  
State of Tennessee, USA

have invented certain improvements in

SYSTEMS AND METHODS AND METHODS FOR MINIMALLY  
INVASIVE FACET FUSION

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

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

  X   filed on 09/30/2009 and assigned application number 12/570,264; and

WHEREAS, we hereby authorize and request the attorneys of Assignee, Warsaw Orthopedic, Inc., of 2500 Silveus Crossing, Warsaw, Indiana 46581, 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: Thomas A. Carls  
Address: 848 River Park  
Memphis, Tennessee 38103

Dated: 9/30/09

Thomas A. Carls  
Inventor Signature

STATE OF Tennessee  
COUNTY OF Shelby

On this the 30 day of September, 2009, before me personally appeared Thomas A. Carls, 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 30 day of September, 2009.



Cynthia J. McCommon  
Notary Public

My Commission Expires:

June 18, 2011

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: Newton H. Metcalf, Jr.  
Address: 2951 Tishomingo Lane  
Memphis, Tennessee 38111

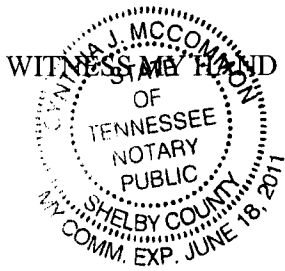
Dated: 9/30/09

[Signature]  
Inventor Signature

STATE OF Tennessee  
COUNTY OF Shelby

On this the 30 day of September, 2009, before me personally appeared Newton H. Metcalf, Jr., 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 30 day of September, 2009.



Cynthia J. McCommon  
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