

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

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>Peter K. Sorensen</td> <td>10/07/2010</td> </tr> <tr> <td>James J. Sullivan</td> <td>10/06/2010</td> </tr> <tr> <td>Paul Alexander Torrie</td> <td>10/12/2010</td> </tr> <tr> <td>Matthew E. Koski</td> <td>10/07/2010</td> </tr> <tr> <td>Daniel B. Ellis</td> <td>10/06/2010</td> </tr> <tr> <td>Roy A. Majors</td> <td>06/15/2012</td> </tr> </tbody> </table>		Name	Execution Date	Peter K. Sorensen	10/07/2010	James J. Sullivan	10/06/2010	Paul Alexander Torrie	10/12/2010	Matthew E. Koski	10/07/2010	Daniel B. Ellis	10/06/2010	Roy A. Majors	06/15/2012
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RECEIVING PARTY DATA															
<table border="1"> <tr> <td>Name:</td> <td>Smith &amp; Nephew, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>7135 Goodlett Farms Parkway</td> </tr> <tr> <td>City:</td> <td>Cordova</td> </tr> <tr> <td>State/Country:</td> <td>TENNESSEE</td> </tr> <tr> <td>Postal Code:</td> <td>38016</td> </tr> </table>		Name:	Smith & Nephew, Inc.	Street Address:	7135 Goodlett Farms Parkway	City:	Cordova	State/Country:	TENNESSEE	Postal Code:	38016				
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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>13253884</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13253884										
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Application Number:	13253884														
CORRESPONDENCE DATA															
Fax Number:	(978)749-1318														
Phone:	978-749-1311														
Email:	marie.concemi@smith-nephew.com														
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>															
Correspondent Name:	Smith & Nephew, Inc.														
Address Line 1:	150 Minuteman Road														
Address Line 4:	Andover, MASSACHUSETTS 01810														
ATTORNEY DOCKET NUMBER:	PT-3757-US-NP														

NAME OF SUBMITTER:

Norman F. Hainer, Jr.

**Total Attachments: 12**

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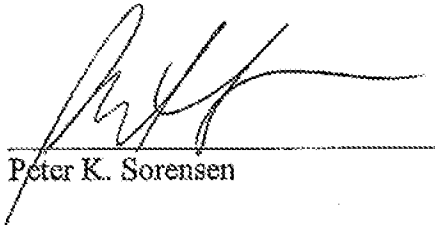
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## ASSIGNMENT

For valuable consideration, I, Peter K. Sorensen of 26 Shore Avenue, Salem, Massachusetts 01970, hereby assign to SMITH & NEPHEW, INC., a corporation of Delaware, having a place of business at 1450 Brooks Road, Memphis, TN 38116, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by me, entitled A System for Use in Tissue Repair filed October 5, 2011, and assigned U.S. Serial Number 13/253884, this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and I authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and I agree for myself and my respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

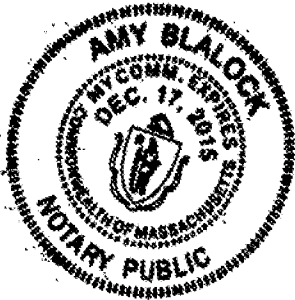
IN WITNESS WHEREOF, I hereto set my hand and seal at Andover, MA on this 7<sup>th</sup> day of October, 2010.

  
\_\_\_\_\_, L.S.  
Peter K. Sorensen

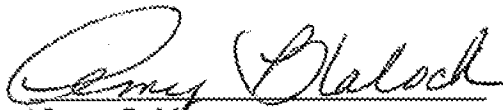
STATE OF Massachusetts )  
  ) SS.  
COUNTY OF Essex )

On October 7, 2010, before me, the undersigned, a notary public for the State of Massachusetts, there personally appeared Peter K. Sorensen, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.



[Notary Seal Here]



Notary Public  
My Commission Expires: 12/17/2015

## ASSIGNMENT

For valuable consideration, I, James J. Sullivan 20 Oak Ridge Way, Shrewsbury, MA 01545, hereby assign to SMITH & NEPHEW, INC., a corporation of Delaware, having a place of business at 1450 Brooks Road, Memphis, TN 38116, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by me, entitled A System for Use in Tissue Repair filed October 5, 2011, and assigned U.S. Serial Number 13/253884, this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and I authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and I agree for myself and my respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at Smith & Nephew, Inc this 6<sup>th</sup> day of October, 2010. *Photocopy*

James J. Sullivan, L.S.  
James J. Sullivan

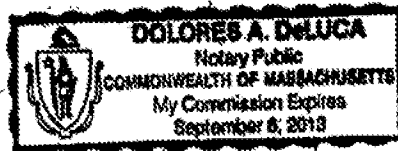
STATE OF MA )  
 ) SS.  
COUNTY OF Bristol )

On October 6, 2010, before me, the undersigned, a notary public for the State of MA, there personally appeared James J. Sullivan, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

Dolores A. DeLuca  
Notary Public  
My Commission Expires:

[Notary Seal Here]



## ASSIGNMENT

For valuable consideration, I, Paul Alexander Torrie of 8 Bowden Street, Marblehead, MA 01845, hereby assign to SMITH & NEPHEW, INC., a corporation of Delaware, having a place of business at 1450 Brooks Road, Memphis, TN 38116, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by me, entitled A System for Use in Tissue Repair filed October 5, 2011, and assigned U.S. Serial Number 13/253884, this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and I authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and I agree for myself and my respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at Andover on this 12 day of October, 2010.

Paul Alexander Torrie, L.S.  
Paul Alexander Torrie

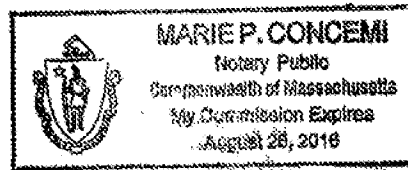
STATE OF MASS )  
COUNTY OF ESSEX ) SS.

On 10/12/2010, before me, the undersigned, a notary public for the State of MASS, there personally appeared Paul Alexander Torrie, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

Marie P. Concemi  
Notary Public  
My Commission Expires: 8/26/2016

[Notary Seal Here]





## ASSIGNMENT

For valuable consideration, I, Matthew E. Koski 5 Webber Road, Westford, MA 01886, hereby assign to SMITH & NEPHEW, INC., a corporation of Delaware, having a place of business at 1450 Brooks Road, Memphis, TN 38116, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by me, entitled A System for Use in Tissue Repair filed October 5, 2011, and assigned U.S. Serial Number 13/253884, this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and I authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and I agree for myself and my respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at Andover on this 7<sup>th</sup> day of October, 2010.

Matthew E. Koski, L.S.  
Matthew E. Koski

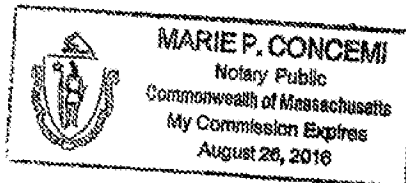
STATE OF MASS )  
COUNTY OF ESSEX ) SS.

On Oct 7, 2010, before me, the undersigned, a notary public for the State of MASS, there personally appeared Matthew E. Koski, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

Marie P. Concemi  
Notary Public  
My Commission Expires: 8/26/16

[Notary Seal Here]



## ASSIGNMENT

For valuable consideration, I, Daniel B. Ellis of 23 David Street, Holliston, MA 01746, hereby assign to SMITH & NEPHEW, INC., a corporation of Delaware, having a place of business at 1450 Brooks Road, Memphis, TN 38116, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by me, entitled A System for Use in Tissue Repair filed October 5, 2011, and assigned U.S. Serial Number 13/253884, this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and I authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and I agree for myself and my respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at Andover, MA on this 6<sup>th</sup> day of October, 2010.

Daniel B. Ellis, L.S.  
Daniel B. Ellis

STATE OF Massachusetts )  
COUNTY OF Essex ) SS.

On October 6, 2010, before me, the undersigned, a notary public for the State of Massachusetts, there personally appeared Daniel B. Ellis personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.



[Notary Seal Here]

Amy Blalock  
Notary Public  
My Commission Expires: 12/17/2015

## ASSIGNMENT

For valuable consideration, I, Roy A. Majors of 5547 Fallon Court, Charlotte, NC 28226, hereby assign to SMITH & NEPHEW, INC., a corporation of Delaware, having a place of business at 1450 Brooks Road, Memphis, TN 38116, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by me, entitled A System for Use in Tissue Repair filed October 5, 2011, and assigned U.S. Serial Number 13/253884, this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and I authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and I agree for myself and my respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at \_\_\_\_\_ on this

15<sup>th</sup> day of JUNE, ~~2011~~ 2012 RAM

Roy A. Majors ) L.S.  
Roy A. Majors

STATE OF North Carolina )  
COUNTY OF Mecklenburg ) SS.

6/15/2012

On Roy A. Majors, before me, the undersigned, a notary public for the State of Massachusetts, there personally appeared Roy A. Majors personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

Mary Frances Capel  
Notary Public  
My Commission Expires: 2/14/2015

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