

# PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Anthony Atala</td> <td>09/23/2009</td> </tr> <tr> <td>James J. Yoo</td> <td>09/11/2009</td> </tr> <tr> <td>Sang Jin Lee</td> <td>09/14/2009</td> </tr> <tr> <td>Grace Lim</td> <td>09/19/2009</td> </tr> </tbody> </table>		Name	Execution Date	Anthony Atala	09/23/2009	James J. Yoo	09/11/2009	Sang Jin Lee	09/14/2009	Grace Lim	09/19/2009
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<b>RECEIVING PARTY DATA</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Wake Forest University Health Sciences</td> </tr> <tr> <td>Street Address:</td> <td>Medical Center Boulevard</td> </tr> <tr> <td>City:</td> <td>Winston-Salem</td> </tr> <tr> <td>State/Country:</td> <td>NORTH CAROLINA</td> </tr> <tr> <td>Postal Code:</td> <td>27157</td> </tr> </table>		Name:	Wake Forest University Health Sciences	Street Address:	Medical Center Boulevard	City:	Winston-Salem	State/Country:	NORTH CAROLINA	Postal Code:	27157
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<b>PROPERTY NUMBERS Total: 1</b>											
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<b>CORRESPONDENCE DATA</b>											
<p>Fax Number: (617)310-9948</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 617-439-2948</p> <p>Email: docket@nutter.com</p> <p>Correspondent Name: Thomas J. Engellenner</p> <p>Address Line 1: 155 Seaport Boulevard</p> <p>Address Line 2: World Trade Center West</p> <p>Address Line 4: Boston, MASSACHUSETTS 02210</p>											
ATTORNEY DOCKET NUMBER:	105447-25										
NAME OF SUBMITTER:	Thomas J. Engellenner										
Total Attachments: 8											

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**PATENT**  
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## ASSIGNMENT BY INVENTORS

**THIS ASSIGNMENT**, made this 11<sup>th</sup> day of September 2009, by Anthony Atala, James J. Yoo, Grace Lim, and Sang Jin Lee (hereinafter referred to as Assignors), residing at 2661 Reynolds Drive, Winston-Salem, North Carolina 27104; 185 Cedar Trail, Winston-Salem, North Carolina 27104; 125 Thornbury Ridge Court, Winston-Salem, North Carolina 27106; and 270 Glen Eagles Drive, Winston-Salem, North Carolina 27104 respectively;

**WHEREAS**, Assignors have invented certain new and useful improvements in **Production of Tissue Engineered Digits and Limbs**, set forth in a Patent application for Letters Patent of the United States, filed on **March 10, 2006** as U.S. Application No. **11/373,046**; **Production of Tissue Engineered Digits and Limbs**, set forth in a provisional patent application, filed on March 18, 2005, as U.S. Application No. 60/663,458; **Electrospun Matrices**, set forth in a provisional patent application, filed on March 11, 2005, as U.S. Application No. 60/660,832; and

**WHEREAS**, WAKE FOREST UNIVERSITY HEALTH SCIENCES, a non-profit organization, having a place of business at Medical Center Boulevard, Winston-Salem, North Carolina 27157 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

**NOW, THEREFORE**, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which

may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

**AND** for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

**AND** for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

**AND** Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and

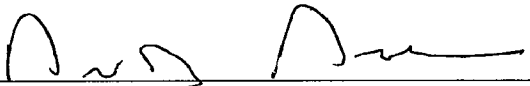
the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

**AND** Assignors hereby grant 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:

NUTTER MCCLENNEN & FISH LLP

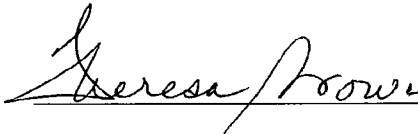
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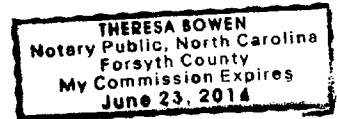
**AND** Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

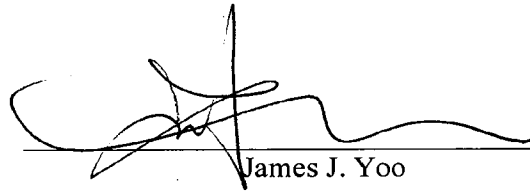
  
Anthony Atala

Date: September 23, 2009

On this 23<sup>rd</sup> day of September, 2009 before me, the undersigned notary public, personally appeared Anthony Atala (name of document signer), proved to me through satisfactory evidence of identification, which were personally known, to be the person whose name is signed on the preceding or attached document, and Acknowledged to me that (he)(she) signed it voluntarily for its stated purpose.


 (official signature and seal of notary)

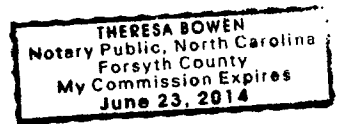


  
James J. Yoo

Date: September 11, 2009

On this 11<sup>th</sup> day of September, 2009 before me, the undersigned notary public, personally appeared James J. Yoo (name of document signer), proved to me through satisfactory evidence of identification, which were personally known, to be the person whose name is signed on the preceding or attached document, and Acknowledged to me that (he)(she) signed it voluntarily for its stated purpose.

 (official signature and seal of notary)

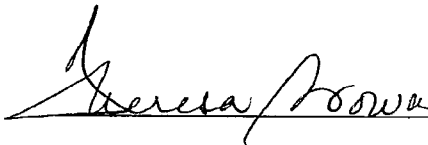


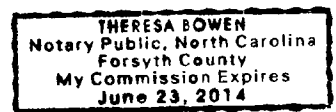


Sang Jin Lee

Date: September 14, 2009

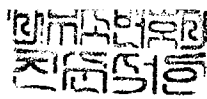
On this 14<sup>th</sup> day of September, 2009 before me, the undersigned notary public, personally appeared Sang Jin Lee (name of document signer), proved to me through satisfactory evidence of identification, which were Personally Known, to be the person whose name is signed on the preceding or attached document, and Acknowledged to me that (he)(she) signed it voluntarily for its stated purpose.

 (official signature and seal of notary)



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(제 41호 서식)

DONG BANG LAW AND NOTARY OFFICE TEL.(053) 751-1981~2

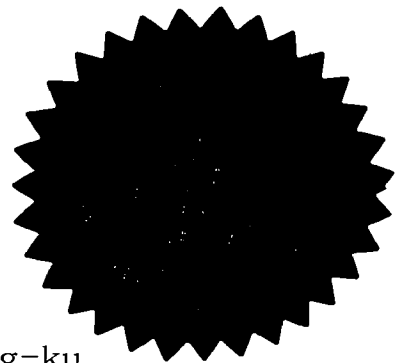
Registered No. 2009 - 2781

## NOTARIAL CERTIFICATE

DONG BANG LAW AND  
NOTARY OFFICE

Address

# 45-5 301 Baemoe Dong suseong-ku  
Daegu, Korea



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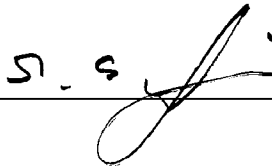
PATENT  
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Grace Lim

Date: September 19, 2009

On this 19<sup>th</sup> day of September, 2009 before me, the undersigned notary public, personally appeared Grace Lim (name of document signer), proved to me through satisfactory evidence of identification, which were \_\_\_\_\_, to be the person whose name is signed on the preceding or attached document, and Acknowledged to me that (he)(she) signed it voluntarily for its stated purpose.



(official signature and seal of notary)

A faint, rectangular notary seal impression, likely a secondary or backup seal, located below the main signature.