

## PATENT ASSIGNMENT

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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>Feng Lin</td> <td>11/15/2012</td> </tr> <tr> <td>James E. Dennis</td> <td>11/20/2012</td> </tr> <tr> <td>Zhidan Tu</td> <td>11/16/2012</td> </tr> </tbody> </table>		Name	Execution Date	Feng Lin	11/15/2012	James E. Dennis	11/20/2012	Zhidan Tu	11/16/2012		
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Case Western Reserve University</td> </tr> <tr> <td>Street Address:</td> <td>10900 Euclid Avenue</td> </tr> <tr> <td>City:</td> <td>CLEVELAND</td> </tr> <tr> <td>State/Country:</td> <td>OHIO</td> </tr> <tr> <td>Postal Code:</td> <td>44106</td> </tr> </table>		Name:	Case Western Reserve University	Street Address:	10900 Euclid Avenue	City:	CLEVELAND	State/Country:	OHIO	Postal Code:	44106
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<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13572141</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13572141						
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CORRESPONDENCE DATA											
<p>Fax Number: 2166214072</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 216-621-2234</p> <p>Email: jsherrill@tarolli.com</p> <p>Correspondent Name: Richard A. Sutkus</p> <p>Address Line 1: 1300 EAST NINTH STREET</p> <p>Address Line 2: SUITE 1700</p> <p>Address Line 4: CLEVELAND, OHIO 44114</p>											
ATTORNEY DOCKET NUMBER:	CWR-019380US ORD										
NAME OF SUBMITTER:	Richard A. Sutkus										
<p>Total Attachments: 4</p> <p>source=CWR019380USORDAssignment#page1.tif</p> <p>source=CWR019380USORDAssignment#page2.tif</p> <p>source=CWR019380USORDAssignment#page3.tif</p> <p>source=CWR019380USORDAssignment#page4.tif</p>											

OP \$40.00 13572141

## ASSIGNMENT

WHEREAS, we, Feng Lin, of Willoughby, County of Cuyahoga, State of Ohio, James E. Dennis, of Cleveland Heights, County of Cuyahoga, State of Ohio, and Zhidan Tu, of Jiangsu Province, Country of China; have made new and useful improvements in **COMPOSITIONS AND METHODS FOR TREATING BONE CONDITIONS**; for which application for Letters Patent of the United States has been filed on August 10, 2012 under Serial No. 13/572,141; and

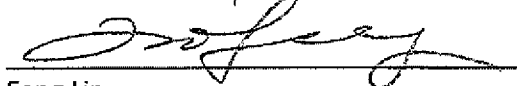
WHEREAS, Case Western Reserve University, is a tax-exempt nonprofit organization duly organized and existing under the laws of the State of Ohio, having a place of business at Cleveland, County of Cuyahoga, State of Ohio;

WHEREAS, Case Western Reserve University, Feng Lin, James E. Dennis, and Zhidan Tu have certain rights and responsibilities pursuant to the Case Western Reserve University Intellectual Property Policy; and

WHEREAS, the Case Western Reserve University Intellectual Property Policy provides that Case Western Reserve University owns the entire right, title and interest in and to the said improvements and all patents therefor to be obtained in the United States of America and countries foreign to the United States;

NOW THEREFORE, BE IT KNOWN that for valuable considerations to us paid, the receipt whereof is hereby acknowledged, we the said Feng Lin, James E. Dennis, and Zhidan Tu do hereby assign unto the said Case Western Reserve University, its successors or assigns, the entire right, title and interest in and to the said improvements and any and all inventions pertaining thereto, said application Serial No. 13/571,141, for the United States patent, all patents granted therefor in the United States of America and elsewhere, and the right to apply for patents therefor in all countries foreign to the United States and to claim for such applications the priority of United States applications, and we hereby request the Commissioner of Patents of the United States, and any official of any country or countries foreign to the United States whose duty it is to issue patents, to issue such patents to the said Case Western Reserve University, its successors or assigns; and we further agree to execute such other applications and other instruments and do all other acts as may be deemed necessary by the said Case Western Reserve University, its successors or assigns in order to fully secure, protect and preserve its rights to the said improvements and to obtain patents therefor in the United States of America and all countries foreign to the United States, all without further consideration but at the expense of the said Case Western Reserve University, its successors or assigns.

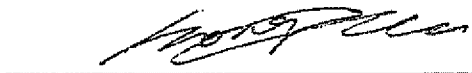
Signed at Cleveland  
County of and State of Cuyahoga, OH  
This 15<sup>th</sup> day of Nov., 2012



Feng Lin  
STATE OF OH

COUNTY OF Cuyahoga  
This 15<sup>th</sup> day of Nov., 2012


Personally appeared before me Feng Lin to me known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and the purposes therein mentioned.



Notary Public



Signed at  
County of and State of  
This 20 day of November, 2012

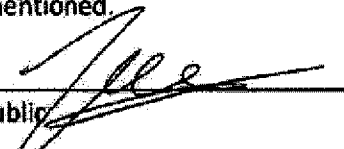
  
James E. Dennis

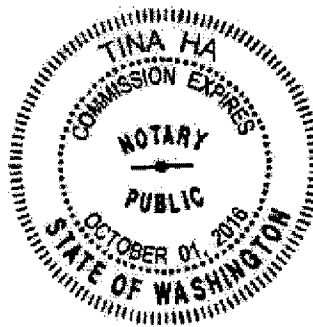
STATE OF )

COUNTY OF )

This 20 day of November, 2012

Personally appeared before me James E. Dennis to me known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and the purposes therein mentioned.

  
Notary Public



Signed at  
County of and State of  
This       day of       , 20

\_\_\_\_\_  
Zhidan Tu  
STATE OF )

COUNTY OF )

This       day of       , 20

Personally appeared before me Zhidan Tu to me known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and the purposes therein mentioned.

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

## ASSIGNMENT

WHEREAS, we, Feng Lin, of Willoughby, County of Cuyahoga, State of Ohio, James E. Dennis, of Cleveland Heights, County of Cuyahoga, State of Ohio, and Zhidan Tu, of Jiangsu Province, Country of China; have made new and useful improvements in **COMPOSITIONS AND METHODS FOR TREATING BONE CONDITIONS**; for which application for Letters Patent of the United States has been filed on August 10, 2012 under Serial No. 13/572,141; and

WHEREAS, Case Western Reserve University, is a tax-exempt nonprofit organization duly organized and existing under the laws of the State of Ohio, having a place of business at Cleveland, County of Cuyahoga, State of Ohio;

WHEREAS, Case Western Reserve University, Feng Lin, James E. Dennis, and Zhidan Tu have certain rights and responsibilities pursuant to the Case Western Reserve University Intellectual Property Policy; and

WHEREAS, the Case Western Reserve University Intellectual Property Policy provides that Case Western Reserve University owns the entire right, title and interest in and to the said improvements and all patents therefor to be obtained in the United States of America and countries foreign to the United States;

NOW THEREFORE, BE IT KNOWN that for valuable considerations to us paid, the receipt whereof is hereby acknowledged, we the said Feng Lin, James E. Dennis, and Zhidan Tu do hereby assign unto the said Case Western Reserve University, its successors or assigns, the entire right, title and interest in and to the said improvements and any and all inventions pertaining thereto, said application Serial No. 13/571,141, for the United States patent, all patents granted therefor in the United States of America and elsewhere, and the right to apply for patents therefor in all countries foreign to the United States and to claim for such applications the priority of United States applications, and we hereby request the Commissioner of Patents of the United States, and any official of any country or countries foreign to the United States whose duty it is to issue patents, to issue such patents to the said Case Western Reserve University, its successors or assigns; and we further agree to execute such other applications and other instruments and do all other acts as may be deemed necessary by the said Case Western Reserve University, its successors or assigns in order to fully secure, protect and preserve its rights to the said improvements and to obtain patents therefor in the United States of America and all countries foreign to the United States, all without further consideration but at the expense of the said Case Western Reserve University, its successors or assigns.

Signed at  
County of and State of  
This       day of       , 20

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Feng Lin  
STATE OF       )  
                              )  
COUNTY OF       )  
This       day of       , 20

Personally appeared before me Feng Lin to me known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and the purposes therein mentioned.

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Notary Public

Signed at  
County of and State of  
This       day of       , 20

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James E. Dennis  
STATE OF       )  
                              )  
COUNTY OF       )  
This       day of       , 20

Personally appeared before me James E. Dennis to me known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and the purposes therein mentioned.

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Notary Public

Signed at  
County of and State of  
This       day of       , 20

*Zhidan Tu*  

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Zhidan Tu  
STATE OF *Nanjing, Jiangsu, China*  
COUNTY OF       )  
This *16th* day of *November*, 20*12*

Personally appeared before me Zhidan Tu to me known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and the purposes therein mentioned.

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Notary Public