

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Kaifeng Liu</td> <td>08/17/2007</td> </tr> <tr> <td>Brian Thomas</td> <td>08/15/2007</td> </tr> <tr> <td>Steven Charlebois</td> <td>08/28/2007</td> </tr> </tbody> </table>		Name	Execution Date	Kaifeng Liu	08/17/2007	Brian Thomas	08/15/2007	Steven Charlebois	08/28/2007
Name	Execution Date								
Kaifeng Liu	08/17/2007								
Brian Thomas	08/15/2007								
Steven Charlebois	08/28/2007								
RECEIVING PARTY DATA									
Name:	Zimmer, Inc.								
Street Address:	345 E. Main Street								
City:	Warsaw								
State/Country:	INDIANA								
Postal Code:	46580-2746								
PROPERTY NUMBERS Total: 1									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11848698</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11848698				
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Application Number:	11848698								
CORRESPONDENCE DATA									
Fax Number:	(513)241-6234								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	513-241-2324								
Email:	kdavidson@whepatent.com								
Correspondent Name:	Kristi L. Davidson								
Address Line 1:	441 Vine Street								
Address Line 2:	2700 Carew Tower								
Address Line 4:	Cincinnati, OHIO 45202								
ATTORNEY DOCKET NUMBER:	ZMH-MS14US								
NAME OF SUBMITTER:	Kristi L. Davidson								

Total Attachments: 4
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ASSIGNMENT OF INVENTION AND PATENTS THEREON

For valuable consideration, we, **Kaifeng Liu, Brian Thomas, and Steven Charlebois**, hereby assign to **Zimmer, Inc.**, a corporation of Delaware and having a place of business at **345 E. Main, Warsaw, IN 46580**, and its successors and assigns (collectively hereinafter called "the Assignee"), our entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent entitled **HYDROGELS WITH GRADIENT**, filed on August 31, 2007, as application Serial No. 11/848,698 preparatory to obtaining Letters Patent of the United States therefor, this assignment including said application, any continuation, division or continuation-in-part thereof and/or substitute therefor, 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 authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, and design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and agree for ourselves and our 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. **We hereby authorize and request any one of the attorneys of Wood, Herron & Evans, L.L.P., 2700 Carew Tower, 441 Vine Street, Cincinnati, OH 45202, to insert herein the filing date and application serial number of said application when known.**

IN WITNESS WHEREOF, I hereto set my hand and seal at Warsaw,
this 17th day of August, 2007.

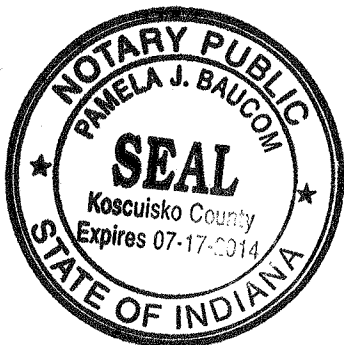
[Signature] 08/17/2007
Kaifeng Liu

STATE OF Indiana :

:ss.

COUNTY OF Kosciusko :

Before me this 17th day of August, 2007, personally appeared Kaifeng Liu, a citizen of P.R. China residing in Notre Dame, Indiana and particularly at 365 Fitzpatrick Hall, Notre Dame, Indiana 46556, known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.



[Notary's Seal Here]

Pamela J. Baucom
Notary Public Pamela J. Baucom

My Commission Expires: 07-17-2014

IN WITNESS WHEREOF, I hereto set my hand and seal at Warsaw, IN,
this 15 day of August, 2007.

Brian Thomas
Brian Thomas

STATE OF Indiana :
:ss.
COUNTY OF KOSCIUSKO :

Before me this 15th day of August, 2007, personally appeared Brian Thomas, a citizen of U.S. residing in Columbia City, Indiana and particularly at 6093 E. Old Trail Rd., Columbia City, Indiana 46725, known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

Pamela J. Baucom
Notary Public Pamela J. Baucom

My Commission Expires: 07-17-2014

[Notary's Seal Here]



IN WITNESS WHEREOF, I hereto set my hand and seal at W. Lafayette, IN, this 28 day of August, 2007.

Steven Charlebois 8/28/07
Steven Charlebois AUGUST

STATE OF Indiana :

:ss.

COUNTY OF Tippecanoe :

Before me this 28 day of August, 2007, personally appeared Steven Charlebois, a citizen of U.S. residing in Goshen, Indiana and particularly at 1504 S. 8th St., Goshen, Indiana 46526, known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

Susan M. Dunaway
Notary Public

My Commission Expires: July 21, 2013

[Notary's Seal Here]