

PATENT ASSIGNMENT

Electronic Version v1.1
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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>KATHLEEN V. KILWAY</td> <td>10/28/2011</td> </tr> <tr> <td>LYNDA F. BONEWALD</td> <td>10/31/2011</td> </tr> <tr> <td>THOMAS P. SCHUMAN</td> <td>10/28/2011</td> </tr> </tbody> </table>		Name	Execution Date	KATHLEEN V. KILWAY	10/28/2011	LYNDA F. BONEWALD	10/31/2011	THOMAS P. SCHUMAN	10/28/2011		
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<table border="1"> <tr> <td>Name:</td> <td>CURATORS OF THE UNIVERSITY OF MISSOURI</td> </tr> <tr> <td>Street Address:</td> <td>475 McREYNOLDS HALL</td> </tr> <tr> <td>City:</td> <td>COLUMBIA</td> </tr> <tr> <td>State/Country:</td> <td>MISSOURI</td> </tr> <tr> <td>Postal Code:</td> <td>64211</td> </tr> </table>		Name:	CURATORS OF THE UNIVERSITY OF MISSOURI	Street Address:	475 McREYNOLDS HALL	City:	COLUMBIA	State/Country:	MISSOURI	Postal Code:	64211
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
Fax Number: 8164129392 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 816-842-8600 Email: lgurley@stinson.com Correspondent Name: Lora Gurley Address Line 1: 1201 Walnut Street, Suite 2900 Address Line 2: Stinson Morrison Hecker LLP Address Line 4: Kansas City, MISSOURI 64106-2150											
ATTORNEY DOCKET NUMBER:	0800528-0048-0001										
NAME OF SUBMITTER:	Lora Gurley										
Signature:	/loragurley/										

Date:

04/22/2013

Total Attachments: 5

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ASSIGNMENT AGREEMENT

In consideration of good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Kathleen V. Kilway, an individual having an address of 904 W 42nd St, Kansas City, Missouri 64111; Lynda F. Bonewald, an individual having an address of 8908 Riverview Ave, Kansas City, Kansas 66112; and Thomas P. Schuman, an individual having an address of 10435 Stoltz Dr, Rolla, Missouri 65401, (hereinafter "Assignors") hereby assign, transfer, and convey to Curators of the University of Missouri, a non-profit organization created and existing under and by virtue of the laws of the State of Missouri, and having a principal place of business at 475 McReynolds Hall, Columbia, Missouri 64211, its successors, legal representatives, and assigns (hereinafter "Assignee"), the Assignors' entire right, title and interest in and to the invention described in the PCT Application titled BIOMATERIAL COMPOSITIONS filed herewith; in and to the provisional application filed on October 29, 2010 and assigned Application No. 61/456,045, in and to all patents to be issued pursuant to said applications, including any divisionals, continuations, continuations in part, extensions, renewals, and reissues thereof; and in and to all applications for patents or similar legal protection that may hereafter be filed for said invention in any country, all patents or similar legal protection that may be granted for said invention in any country and all extensions, renewals and reissues thereof or legal equivalent thereof.

Assignors hereby authorize and request the Director of Patents and Trademarks of the United States, and any official of any other country whose duty it is to issue patents or similar legal protection on said applications, to issue patents or similar legal protection for said invention to Assignee, the same to be held by Assignee for its own use and benefit, to the full end of the

term for which said patents or similar legal protection are or may be granted, as fully and entirely as the same would have been held and enjoyed by Assignors had this assignment not been made.

Assignors hereby further agree, upon the request of Assignee, to execute any and all applications for divisionals, continuations and/or continuations in part for said invention or improvements and any supplemental oath or declaration relating thereto, and any applications for the reissue or extension of any patent that may be granted upon said applications that Assignee may deem necessary or expedient. Assignors further agree that in the event any said application, or patent issued thereon, becomes involved in an interference, upon request of Assignee, Assignors will cooperate to the best of their ability with Assignee in preparing the preliminary statement and giving and producing evidence in support thereof. Assignors hereby agree to perform, upon such request, any and all affirmative acts to obtain said patents or similar legal protection, and vest all rights therein in Assignee as fully and entirely as the same would have been held and enjoyed by Assignors if this assignment had not been made.

Assignors hereby covenant and warrant that as of the date hereof they are the true and lawful owners of the entire, right, title and interest in said invention, applications, and patents which may issue pursuant thereto, that they have the full right and power to convey the same, that the same are free and clear of all liens, charges and encumbrances whatsoever, and that they have not executed and will not execute any agreement in conflict herewith.

WITNESS my hand and seal this 28 day of October, 2011.

Kathleen V. Kilway
Kathleen V. Kilway

ACKNOWLEDGMENT

STATE OF Missouri)
COUNTY OF Jackson) SS

On this 28th day of October, 2011, before me, a Notary Public in and for the State and County aforesaid, personally appeared Kathleen V. Kilway, to me known and known to me to be the person of that name who signed and sealed the foregoing instrument, and she acknowledged the same to be her free act and deed.

Lee Ellen Washington
Notary Public

(SEAL)

My Commission Expires:
LEE ELLEN WASHINGTON
My Commission Expires
September 15, 2013
Jackson County
Commission #09447563



First Named Inventor: Kilway et al.
Attorney Docket No.: 800528-0048

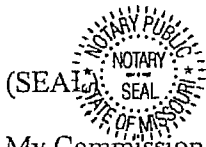
WITNESS my hand and seal this 31 day of October, 2011.

Lynda F. Bonewald
Lynda F. Bonewald

ACKNOWLEDGMENT

STATE OF Missouri)
COUNTY OF Jackson) SS

On this 31 day of October, 2011, before me, a Notary Public in and for the State and County aforesaid, personally appeared Lynda F. Bonewald, to me known and known to me to be the person of that name who signed and sealed the foregoing instrument, and she acknowledged the same to be her free act and deed.



VALORIE N. MOORE-PORTER
My Commission Expires
March 25, 2012
Jackson County
Commission #08512910

My Commission Expires:

March 25, 2012

Valorie N. Moore-Porter
Notary Public

WITNESS my hand and seal this 28 day of October, 2011.

[Signature]
Thomas P. Schuman

ACKNOWLEDGMENT

STATE OF Missouri)
COUNTY OF Phelps) SS

On this 28th day of October, 2011, before me, a Notary Public in and for the State and County aforesaid, personally appeared Thomas P. Schuman, to me known and known to me to be the person of that name who signed and sealed the foregoing instrument, and he acknowledged the same to be his free act and deed.

[Signature]
Notary Public

(SEAL)

My Commission Expires:

March 3, 2012

