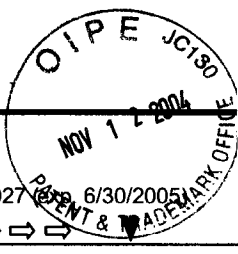


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D&M Docket No. CXU-441

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1. Name of conveying party(ies): Richard Kenneth Marcus Rayman Dupre Stanelle Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies) Name: Clemson University Internal Address: Office of Technology Transfer 223 Brackett Hall Street Address: P.O. Box 345705I City: Clemson State: SC Zip: 29634-5705 Additional name(s) & address(es) attached?  Yes  No

3. Nature of conveyance:  Assignment  Merger  Security Agreement  Change of Name  Other Execution Date: 10/19/2004

4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(s) 10/915,735 B. Patent No.(s) Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed: Name: DORITY & MANNING, P.A. Internal Address: P.O. BOX 1449 Greenville, SC 29602-1449 Street Address: One Liberty Square 55 Beattie Place, Suite 1600 City: Greenville State: SC Zip: 29601

6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41).....\$ 40.00  Enclosed  Authorized to be charged to deposit account

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05 FC:8021 Christina L. Mangelsen, Patent Agent Name of Person Signing

Handwritten signature of Christina L. Mangelsen

11/09/2004 Date

Total number of pages including cover sheet, attachments, and documents: 4

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PATENT REEL: 015993 FRAME: 0069

ATTORNEY DOCKET NO: CXU-441**JOINT INVENTION ASSIGNMENT OF WORLDWIDE RIGHTS**

**WHEREAS**, we, Richard Kenneth Marcus, a citizen of the United States, residing at 320 Pendleton Road, Clemson, South Carolina 29631; and Rayman Dupre Stanelle, a citizen of the United States, residing at 125 Deerfield Lane, Seneca, South Carolina 29678, as assignors, have made an invention entitled **MONOLITHIC STRUCTURES COMPRISING POLYMERIC FIBERS FOR CHEMICAL SEPARATION BY LIQUID CHROMATOGRAPHY** as described and set forth in an application for Letters Patent of the United States of America, as filed August 10, 2004, and assigned USSN 10/915,735; and

**WHEREAS**, CLEMSON UNIVERSITY, a body politic and corporate under the laws of the State of South Carolina, whose Post Office Address is Clemson University, Clemson, South Carolina, 29631; as assignee, is desirous of securing the entire right, title and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

**NOW, THEREFORE**, be it known that for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from assignee is hereby acknowledged, we, as assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such applications, and all applications for Letters Patent which may hereafter be filed for this

invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof, and we hereby authorize and request the Commissioner for Patents of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Agreement.

**AND, WE HEREBY** covenant that we have the full right to convey the interest assigned by this Assignment, and we have not executed, and will not execute any agreement in conflict with this Assignment;

**AND, WE HEREBY** further covenant and agree that we will, without further consideration, communicate with assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title of this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

IN TESTIMONY WHEREOF, we have hereunto set our hands.

*Richard Kenneth Marcus*  
Signature of First Inventor  
Richard Kenneth Marcus  
Date: *Oct 19, 2004*

STATE OF *South Carolina*  
COUNTY OF *Anderson* }

SWORN TO AND SUBSCRIBED before me  
this *19th* day of *October*, 2004.

*Dani A. Dawson*  
NOTARY PUBLIC FOR: *South Carolina*  
MY COMMISSION EXPIRES: *March 12, 2013*

*Rayman Dupre Stanelle*  
Signature of Second Inventor  
Rayman Dupre Stanelle  
Date: *10-18-04*

STATE OF *South Carolina*  
COUNTY OF *Anderson* }

SWORN TO AND SUBSCRIBED before me  
this *18* day of *October*, 2004.

*Dani A. Dawson*  
NOTARY PUBLIC FOR: *South Carolina*  
MY COMMISSION EXPIRES: *March 12, 2013*