



Practitioner's Docket No. 16139/09044-DIV

PATENT

103226653

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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ASSIGNMENT (DOCUMENT) COVER SHEET (37 C.F.R. § 3.31)

Attached please find an assignment (document) for recordal.

IDENTIFICATION OF APPLICATION(S) AND/OR PATENT(S)
FOR ASSIGNMENT (DOCUMENT) RECORDAL
(37 C.F.R. § 3.21 and 37 C.F.R. § 3.31(a)(4))

- 1. This assignment is for the following patent application and/or issued patent:
a. National application: SN: 10/841,885, filed on May 7, 2004 and identified as Nelson Mullins Riley & Scarborough, LLP Attorney Docket No. 16139/09044.

CERTIFICATION UNDER 37 C.F.R. §§ 1.8(a) and 1.10*
(When using Express Mail, the Express Mail label number is mandatory;
Express Mail certification is optional.)

I hereby certify that, on the date shown below, this correspondence is being:

MAILING

deposited with the United States Postal Service in an envelope addressed to the Director of the United States Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450.

37 C.F.R. § 1.8(a)

with sufficient postage as first class mail.

37 C.F.R. § 1.10*

as "Express Mail Post Office to Addressee" Mailing Label No. (mandatory)

TRANSMISSION

facsimile transmitted to the Patent and Trademark Office, (571) 273 - 0140.

Mim Voet (handwritten signature)

Signature

Mim Voet

(type or print name of person certifying)

Date: April 20, 2006

* Only the date of filing (§ 1.6) will be the date used in a patent term adjustment calculation, although the date on any certificate of mailing or transmission under § 1.8 continues to be taken into account in determining timeliness. See § 1.703(f). Consider "Express Mail Post Office to Addressee" (§ 1.10) or facsimile transmission (§ 1.6(d)) for the reply to be accorded the earliest possible filing date for patent term adjustment calculations.

04-25-06

Vertical stamp: RECEIVED APR 20 2006

Vertical stamp: 04 APR 20 2006 1084185 00000178 1084185 00.00 00

**TOTAL NUMBER OF APPLICATIONS AND/OR PATENTS
AND TOTAL FEE**

2. A. The total number of applications and/or patents identified in this cover sheet is: **1**.
- B. The total fee is (37 C.F.R. Section 1.21(h)):

$$1 \times \$40.00 = \$40.00$$

- C. Payment of fee is made by:

Attached is a check in the amount of \$40.00.

Charge any additional fees required by this paper or credit any overpayment to
Deposit Account No. 50-2548.

A duplicate of this paper is attached.

**NAME OF PARTY CONVEYING INTEREST
(37 C.F.R § 3.31(a)(1))**

3. The parties conveying the interest are:

Brian R. Genge
Licia Wu
Glenn R. Sauer
Roy E. Wuthier
Ronald Genge
and
The University of South Carolina Research Foundation

**NAME AND ADDRESS OF PARTY(IES) RECEIVING INTEREST
(37 C.F.R. § (a)(2))**

4. The rights are being conveyed to:

University of South Carolina
Columbia, SC 29208
USA

**DESCRIPTION OF INTEREST CONVEYED OR
TRANSACTION RECORDED (37 C.F.R. § 3.31(a)(3))**

5. The accompanying documents intend to accomplish an assignment.

**NAME AND ADDRESS OF PARTY TO WHOM
CORRESPONDENCE SHOULD BE MAILED (37 C.F.R. § 3.31 (a)(5))**

6. Please address correspondence to:

Name: Charles E. Dunlap, Ph.D., Esq.
Address: Nelson Mullins Riley & Scarborough, LLP
1320 Main Street, 17th Floor
Columbia, SC 29201
USA
Telephone No.: 864-250-2238

**DATE ASSIGNMENT (DOCUMENT) EXECUTED
(37 C.F.R. § 3.31(a)(7))**

7. The attached assignment (documents) were executed as follows:

Glen R. Sauer, inventor, executed the attached assignment document assigning to The University of South Carolina Research Foundation on November 29, 2001;

Roy E. Wuthier, inventor, executed the attached assignment document assigning to The University of South Carolina Research Foundation on November 28, 2001;

Brian R. Genge, inventor, executed the attached assignment document assigning to The University of South Carolina Research Foundation on November 27, 2001;

Licia Wu, inventor, executed the attached assignment document assigning to The University of South Carolina Research Foundation on November 27, 2001;

Ronald Genge, inventor, executed the attached assignment document assigning to The University of South Carolina Research Foundation on December 3, 2001; and

The University of South Carolina Research Foundation, assignor, by signature of Anthony M. Boccanfuso, Managing Director, executed the attached assignment document assigning to the University of South Carolina on September 4, 2003.

LANGUAGE OF ASSIGNMENT (DOCUMENT) TO BE RECORDED

8. The attached document is in the English language.

ORIGINAL DOCUMENT OR TRUE COPY SUBMITTED

9. Submitted herewith are true copies of the original documents, which I certify each to be a true copy.

**STATEMENT (37 C.F.R. § 3.31(a)(9)) AND
SIGNATURE (37 C.F.R. § 3.31(a)(10))**

10. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original documents.

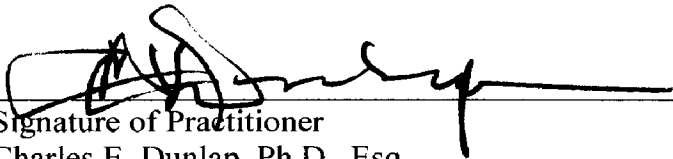
Date: April 20, 2006

Reg. No.: 35,124

Tel. No.: 864-250-2238

Fax No.: 803-255-9831

Customer No.: 27530


Signature of Practitioner
Charles E. Dunlap, Ph.D., Esq.

Nelson Mullins Riley & Scarborough, LLP
1320 Main Street, 17th Floor
Columbia, SC 29201
USA

TOTAL NUMBER OF PAGES BEING SUBMITTED

11. The total number of pages being submitted, **including documents** is: **ten (10)**.

ASSIGNMENT

WHEREAS, I/WE, the undersigned, have made certain invention or inventions which are disclosed in patent application(s) and/or provisional patent application(s) entitled:

BIOCOMPATIBLE CEMENT CONTAINING REACTIVE CALCIUM PHOSPHATE NANOPARTICLES AND METHODS FOR MAKING AND USING SUCH CEMENT

WHEREAS, THE UNIVERSITY OF SOUTH CAROLINA RESEARCH FOUNDATION, having its address at Sponsored Programs and Research, Byrnes Building, Fifth Floor, 901 Sumter Street, Columbia, SC 29208, U.S.A., an educational institution of South Carolina, is desirous of acquiring the entire right, title and interest in and to said invention or inventions and any and all patents to be obtained therefor;

NOW, THEREFORE, FOR GOOD AND VALUABLE CONSIDERATION, the receipt of which is hereby acknowledged, I/WE do hereby sell, assign and transfer to said THE UNIVERSITY OF SOUTH CAROLINA RESEARCH FOUNDATION, its successors and assigns, the entire right, title and interest in and to said invention or inventions, in any form or embodiment thereof, and in and to said application(s); and in and to any and all applications filed in any country based thereon, including the right to file application in countries other than the country of priority filing under the provisions of any international convention; also in and to any and all improvements on said invention or inventions now or hereafter made by me/us as employee(s), agent(s) or contractor(s) of said THE UNIVERSITY OF SOUTH CAROLINA RESEARCH FOUNDATION, also the entire right, title and interest in and to any and all patents, including reissues and extensions thereof, to be obtained in any country upon said invention, inventions or improvements, and any and all continuing applications, including divisional, continuation and continuation-in-part applications, substitute applications, and applications claiming benefit of an earlier filed provisional application, which may be filed upon said invention, inventions or improvements in any country; and

I/WE hereby authorize and request the issuing authority to issue any and all patents on said application or applications to said THE UNIVERSITY OF SOUTH CAROLINA RESEARCH FOUNDATION, as assignee of the entire interest.

I/WE further agree, without any payment by THE UNIVERSITY OF SOUTH CAROLINA RESEARCH FOUNDATION, other than in reimbursement of reasonable expenses I may incur, to communicate to said THE UNIVERSITY OF SOUTH CAROLINA RESEARCH FOUNDATION, its representatives or agents, any facts relating to said invention, inventions or improvements, including evidence for purposes of interference, opposition or other legal proceedings, whenever requested; testify in any interference, opposition or other legal proceedings, whenever requested; and execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective.

IN TESTIMONY WHEREOF, I have hereto set my hand on the date set after my signature.

Signature: Glenn R. Sauer Date: 11/29/01

Name: Glenn R. Sauer

Residence: 352 Judd St., Fairfield CT 06430

State of Connecticut)

County of Fairfield)

On this 29th day of November, 2001, before me personally appeared Glenn R. Sauer, to me known to be the person who executed the foregoing instrument and acknowledged that he executed the same as his free act and deed; in testimony whereof I have hereto set my hand and official seal on the day last above-written.

Jo Ann M. Solemens
Notary Public

My Commission expires _____

JO ANN M. SOLEMENS
NOTARY PUBLIC
STATE OF CONNECTICUT

IN TESTIMONY WHEREOF, I have hereto set my hand on the date set after my signature.

Signature: Roy E. Wuthier Date: 11-28-01

Name: Roy E. Wuthier

Residence: _____

State of South Carolina)

County of Leflington)

On this 28th day of November, 2001, before me personally appeared Roy E. Wuthier, to me known to be the person who executed the foregoing instrument and acknowledged that he executed the same as his free act and deed; in testimony whereof I have hereto set my hand and official seal on the day last above-written.

Adlene B. McWhorter
Notary Public

My Commission expires 10/19/11

IN TESTIMONY WHEREOF, I have hereto set my hand on the date set after my signature.

Signature: Brian Genge

Date: 11-27-01

Name: Brian R. Genge

Residence: _____

State of South Carolina)

County of Lexington)

On this 27th day of November, 2001, before me personally appeared Brian R. Genge, to me known to be the person who executed the foregoing instrument and acknowledged that he executed the same as his free act and deed; in testimony whereof I have hereto set my hand and official seal on the day last above-written.

Arlene B. McWhorter
Notary Public

My Commission expires 10/19/11

IN TESTIMONY WHEREOF, I have hereto set my hand on the date set after my signature.

Signature: Licia Wu

Date: 11-27-01

Name: Licia Wu

Residence: _____

State of South Carolina)

County of Lexington)

On this 27th day of November, 2001, before me personally appeared Licia Wu, to me known to be the person who executed the foregoing instrument and acknowledged that he executed the same as his free act and deed; in testimony whereof I have hereto set my hand and official seal on the day last above-written.

Arlene B. McWhorter
Notary Public

My Commission expires 10/19/11

IN TESTIMONY WHEREOF, I have hereto set my hand on the date set after my signature.

Signature: Ronald Genge

Date: Dec. 3-2001

Name: Ronald Genge

Residence: 1973 Walton Rd Watertown W. 5309

State of Wisconsin

County of Jefferson

On this 3 day of Dec, 2001, before me personally appeared Ronald Genge, to me known to be the person who executed the foregoing instrument and acknowledged that he executed the same as his free act and deed; in testimony whereof I have hereto set my hand and official seal on the day last above-written.

Aileen J. O'Keefe
Notary Public

My Commission expires 11/9/03

ASSIGNMENT

WHEREAS, I/WE, the undersigned, have acquired by Assignment the entire right, title and interest in and to certain invention or inventions which are disclosed in patent application(s) and/or provisional patent application(s) entitled:

**BIOCOMPATIBLE CEMENT CONTAINING REACTIVE CALCIUM PHOSPHATE
NANOPARTICLES AND METHODS FOR MAKING AND USING SUCH CEMENT**

and further identified as U.S. Patent Application Serial No. 09/978,601 and PCT application no. PCT/US01/32377.

WHEREAS, UNIVERSITY OF SOUTH CAROLINA, having its address at Columbia, South Carolina, 29208, U.S.A., an educational institution of South Carolina, is desirous of acquiring the entire right, title and interest in and to said invention or inventions and any and all patents to be obtained therefor;

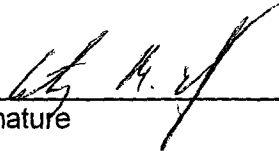
NOW, THEREFORE, FOR GOOD AND VALUABLE CONSIDERATION, the receipt of which is hereby acknowledged, I/WE do hereby sell, assign and transfer to said UNIVERSITY OF SOUTH CAROLINA, its successors and assigns, the entire right, title and interest in and to said invention or inventions, in any form or embodiment thereof, and in and to said application(s); and in and to any and all applications filed in any country based thereon, including the right to file application in countries other than the country of priority filing under the provisions of any international convention; also in and to any and all improvements on said invention or inventions now or hereafter made by me/us as employee(s), agent(s) or contractor(s) of said UNIVERSITY OF SOUTH CAROLINA, also the entire right, title and interest in and to any and all patents, including reissues and extensions thereof, to be obtained in any country upon said invention, inventions or improvements, and any and all continuing applications, including divisional, continuation and continuation-in-part applications, substitute applications, and applications claiming benefit of an earlier filed provisional application, which may be filed upon said invention, inventions or improvements in any country; and

I/WE hereby authorize and request the issuing authority to issue any and all patents on said application or applications to said UNIVERSITY OF SOUTH CAROLINA, as assignee of the entire interest.

I/WE further agree, without any payment by UNIVERSITY OF SOUTH CAROLINA, other than in reimbursement of reasonable expenses I/we may incur, to communicate to said UNIVERSITY OF SOUTH CAROLINA, its representatives or agents, any facts relating to said invention, inventions or improvements, including evidence for purposes of interference, opposition or other legal proceedings, whenever requested; testify in any interference, opposition or other legal proceedings, whenever requested; and execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective.

IN TESTIMONY WHEREOF, I have hereto set my hand on the date set after my signature.

THE ASSIGNOR of the entire right, title, and interest:
The University of South Carolina Research Foundation
Sponsored Programs and Research
Byrnes Building, Fifth Floor
901 Sumter Street
Columbia, South Carolina 29208 U.S.A.



Signature

9/4/03

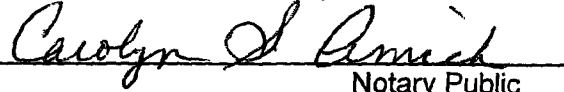
Date

Anthony M. Boccanfuso
Managing Director
The University of South Carolina Research Foundation

STATE OF SOUTH CAROLINA)
)
COUNTY OF RICHLAND)

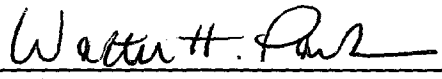
ACKNOWLEDGMENT

On this 4th day of September, 2003, before me personally before me appeared Anthony M. Boccanfuso, to me known to be the person who executed the foregoing instrument and acknowledged that he executed the same as his own free act and deed; in testimony whereof I have hereto set my hand and official seal on the day last written above.



Notary Public
My Commission Expires: March 14, 2013

THE ASSIGNEE of the entire right, title, and interest:
University of South Carolina
Columbia, South Carolina 29208 U.S.A.



Signature

9-16-03

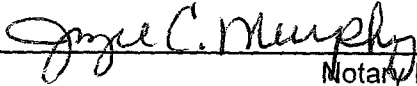
Date

Walter H. Parham
~~Assistant~~ Secretary
University of South Carolina

STATE OF SOUTH CAROLINA)
)
COUNTY OF RICHLAND)

ACKNOWLEDGMENT

On this 16th day of September, 2003, before me personally before me appeared Terry Parham to me known to be the person who executed the foregoing instrument and acknowledged that he executed the same as his own free act and deed; in testimony whereof I have hereto set my hand and official seal on the day last written above.



Notary Public
My Commission Expires: 7/8/06

**TOTAL NUMBER OF APPLICATIONS AND/OR PATENTS
AND TOTAL FEE**

2. A. The total number of applications and/or patents identified in this cover sheet is: **1**.
- B. The total fee is (37 C.F.R. Section 1.21(h)):

$$1 \times \$40.00 = \$40.00$$

- C. Payment of fee is made by:

Attached is a check in the amount of \$40.00.

Charge any additional fees required by this paper or credit any overpayment to Deposit Account No. 50-2548.

A duplicate of this paper is attached.

**NAME OF PARTY CONVEYING INTEREST
(37 C.F.R. § 3.31(a)(1))**

3. The parties conveying the interest are:

Brian R. Genge
Licia Wu
Glenn R. Sauer
Roy E. Wuthier
Ronald Genge
and
The University of South Carolina Research Foundation

**NAME AND ADDRESS OF PARTY(IES) RECEIVING INTEREST
(37 C.F.R. § (a)(2))**

4. The rights are being conveyed to:

University of South Carolina
Columbia, SC 29208
USA

**DESCRIPTION OF INTEREST CONVEYED OR
TRANSACTION RECORDED (37 C.F.R. § 3.31(a)(3))**

5. The accompanying documents intend to accomplish an assignment.

04-27-2006

NAME
CORRESPONDENT



103226654

WHOM
37 C.F.R. § 3.31 (a)(5)

6. Please address correspondence to:

Name: Charles E. Dunlap, Ph.D., Esq.
Address: Nelson Mullins Riley & Scarborough, LLP
1320 Main Street, 17th Floor
Columbia, SC 29201
USA
Telephone No.: 864-250-2238

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(37 C.F.R. § 3.31(a)(7))**

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Licia Wu, inventor, executed the attached assignment document assigning to The University of South Carolina Research Foundation on November 27, 2001;

Ronald Genge, inventor, executed the attached assignment document assigning to The University of South Carolina Research Foundation on December 3, 2001; and

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LANGUAGE OF ASSIGNMENT (DOCUMENT) TO BE RECORDED

8. The attached document is in the English language.

ORIGINAL DOCUMENT OR TRUE COPY SUBMITTED

9. Submitted herewith are true copies of the original documents, which I certify each to be a true copy.

**STATEMENT (37 C.F.R. § 3.31(a)(9)) AND
SIGNATURE (37 C.F.R. § 3.31(a)(10))**

10. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original documents.