

01-17-2007

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RECORDATION FORM COVER SHEET
PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1.5.07

1. Name of conveying party(ies)

Scott D. Boden
Sreedhara Sangadal
F. Louisa Titus

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)

Name: Emory University

Internal Address: _____

Street Address: 1784 North Decatur Road, Suite 130

City: Atlanta

State: GA

Country: USA Zip: 30322

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) November 29, 2006

- Assignment Merger
- Security Agreement Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other _____

4. Application or patent number(s):

A. Patent Application No.(s)
11/546,891

This document is being filed together with a new application.
B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Gerard P. Norton

Internal Address Fox Rothschild LLP

Street Address: 937 Lenox Drive, Bldg. #3

City: Lawrenceville

State: NJ Zip: 08648

Phone Number: 609-844-3020

Fax Number: 609-896-1469

Email Address: gnorton@foxrothschild.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number 50-1943

Authorized User Name Gerard P. Norton

9. Signature: Gerard P. Norton

Signature

January 8, 2007

Date

Gerard P. Norton

Name of Person Signing

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

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

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ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNOR(S) of the sum of One Dollar (\$1.00) and for other good and valuable consideration, the receipt of which is hereby acknowledged,

ASSIGNOR(S):

Name	Address
Boden, Scott D.	2842 Cravey Drive, Atlanta, GA 30345, USA
Titus, F. Louisa	1169 East Rock Springs Road, Atlanta, GA 30306, USA
Sangadala, Sreedhara	18 Fairview Drive, Dallas, GA 30157, USA

hereby sells, assigns and transfers to

ASSIGNEE:

Name	Address
Emory University	1784 North Decatur Road, Suite 130, Atlanta, GA 30322

and the successors, assigns and legal representatives of the ASSIGNEE, the entire right, title and interest for the United States and its territorial possessions, and in all foreign countries, including all rights to claim priority, in and to the invention entitled:

NOVEL BONE MINERALIZATION PROTEIN EXPRESSION SYSTEMS, AND METHODS OF STUDYING THEIR INTRACELLULAR SIGNALING PATHWAYS

invented by Boden, et al [INVENTOR(S)] and which is found in

- the U.S. patent application executed on even date herewith;
 the U.S. patent application executed on _____;
 the U.S. patent application no.: 11/546,891, filed on: October 12, 2006;
 the U.S. patent no. _____ issued on _____;

and, in and to all Letters Patent, both foreign and domestic, to be obtained for said invention by the above application or any continuation, division, renewal, continuation-in-part or substitute thereof, and as to Letters Patent and any reissue or re-examination thereof, and to any legal equivalent thereof in a foreign country, including, the right to apply for patents and inventor certificates in respect thereof, the right to claim priority, and all patents, patents of addition, utility models, patents of importation, revalidation patents and inventor certificates which may be granted throughout the world in respect of the invention.

ASSIGNOR(S) hereby authorizes ASSIGNEE or its legal representative to insert in this instrument the filing date and serial number of said application or any other information that may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for the recordation of this document.

ASSIGNOR(S) hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNOR(S) further covenants and agrees that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR(S), and that ASSIGNOR(S) will, at ASSIGNEE's expense, testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE, its assigns or its legal representatives, without further or additional consideration, any and all papers, instruments or affidavits required, render all necessary assistance, and do such additional acts as ASSIGNEE may deem necessary or desirable, to

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apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

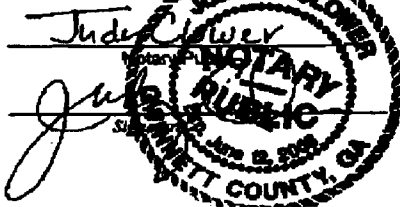
ASSIGNOR(S) hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent referred to above to ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE's sole use and benefit, and for the use and benefit of ASSIGNEE's legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR(S) had this assignment and sale not been made.

The parties agree that the foregoing covenants and obligations shall bind and inure to the benefit of the heirs, assigns and legal representatives of both parties.

Name: Boden, Scott D. *Scott Boden* Date: 11/30/06
Signature

State of Georgia
County of Spalding

Before me this 30th day of November 2006, personally appeared the above named individual, to me known to be the person who is described in, and who executed the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes therein expressed.

Name: Titus, F. Louisa *Judy J. Clower* Date: 11.30.06
Signature
State of _____
County of _____


Before me this _____ day of _____ 2006, personally appeared the above named individual, to me known to be the person who is described in, and who executed the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes therein expressed.

Notary Public
Name: Sangadala, Sreedhara _____ Date: _____
Signature

State of _____
County of _____

Before me this _____ day of _____ 2006, personally appeared the above named individual, to me known to be the person who is described in, and who executed the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes therein expressed.

Notary Public

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apply for, obtain, maintain, issue and enforce said application, said Invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

ASSIGNOR(S) hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent referred to above to ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE's sole use and benefit, and for the use and benefit of ASSIGNEE's legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR(S) had this assignment and sale not been made.

The parties agree that the foregoing covenants and obligations shall bind and inure to the benefit of the heirs, assigns and legal representatives of both parties.

Name: Boden, Scott D. _____ Date: _____
Signature

State of _____
County of _____

Before me this _____ day of _____ 2006, personally appeared the above named individual, to me known to be the person who is described in, and who executed the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes therein expressed.

Notary Public
DeKalb County, Georgia
My Commission Expires April 30, 2007
F. Louisa Titus
Signature

Name: Titus, F. Louisa _____ Date: 11/30/2006

State of Georgia
County of DeKalb

Before me this 30 day of November 2006, personally appeared the above named individual, to me known to be the person who is described in, and who executed the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes therein expressed.

Notary Public
[Signature]
Signature

Name: Sangadala, Sreedhara _____ Date: 11/29/06

State of Georgia
County of DeKalb

Before me this 29th day of November 2006, personally appeared the above named individual, to me known to be the person who is described in, and who executed the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes therein expressed.

Sreedhara Black
Notary Public

