

Form PTO-1595 (Rev. 03-11)
OMB No. 0651-0027 (exp. 03/31/20)U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark OfficeRECORDATION 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. Name of conveying party(ies)

John D. Shaughnessy

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

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

Execution Date(s) December 23, 2003☐ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Joint Research Agreement☐ Government Interest Assignment☐ Executive Order 9424, Confirmatory License
Assignees Name☒ Other Corrective Assignment Reel/Frame: 014848/0894

2. Name and address of receiving party(ies)

Name: Board of Trustees of the University of Arkansas

Internal Address: _____

Street Address: 2404 North University AvenueCity: Little RockState: ARCountry: USA Zip: 72207-3608Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

7,459,437

Additional numbers attached? ☐ Yes ☒ No

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

Name: Benjamin Aaron Adler, Ph. D., J.D.Internal Address: D6485Street Address: Adler & Associates

8011 Candle Lane

City: HoustonState: Texas Zip: 77071Phone Number: (713) 270-5391Fax Number: (713) 270-5361Email Address: Ben@adlerandassociates.com6. Total number of applications and patents involved: one7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00☐ Authorized to be charged to deposit account☒ Enclosed☐ None required (government interest not affecting title)

8. Payment Information

Deposit Account Number _____

Authorized User Name _____

9. Signature: _____

April 4, 2012

Signature

Date

Benjamin Aaron Adler

Total number of pages including cover sheet, attachments, and documents: 7

Name of Person Signing

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

OP \$40.00 745943

01-07-2004



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PARTMENT OF COMMERCE
Patent and Trademark OfficeRecordation Form Cover Sheet

To the Honorable Commissioner of Patents and Trademarks. Please record the attached documents.

1. Name of conveying party(ies):
John D. Shaughnessy

2. Name and address of receiving party(ies):
Name: **The University of Arkansas
for Medical Sciences**
Address: **4301 West Markham, Slot 518
Little Rock, Arkansas 72207**

Additional names of conveying party(ies) attached?

☒ NO ☐ YES

3. Nature of Conveyance: ☒ Assignment ☐ Merger Additional names & addresses attached?
☐ Security Agreement ☐ Change of Name ☐ NO ☐ YES
☐ OTHER _____

Execution Date: **December 23, 2003**

4. Application number(s) or patent number(s): **10/727,461**

Additional numbers attached? ☒ NO ☐ YES

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

Name: **Dr. Benjamin Adler
ADLER & ASSOCIATES**

Address:
**8011 Candle Ln.
Houston, Texas 77071**

6. Total number of applications and patents involved: **1**

7. Total Fee (37 CFR 3.412):.....\$**40.00** ☐ enclosed ☒ authorized to charge deposit account

8. Deposit Account number: **07-1185** (duplicate copy attached if paying by deposit account)

9. Statement and signature.

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 document.

Benjamin Aaron Adler, Ph.D., J.D.

Name of person signing

Signature

12/31/03

Date

Total number of pages comprising cover sheet: 1

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40.00 DA

PATENT

REEL: 028094 FRAME: 0519

D6485

ASSIGNMENT

WHEREAS, I, John D. Shaughnessy, of 4317 Old Oak Drive, Little Rock, AR 72212, (hereinafter collectively called "ASSIGNOR"), am inventor and owner of certain new and useful improvements in *Identification of Molecular Determinants of Myeloma Bone Disease*, an application for United States Letters Patent as filed December 04, 2003 as United States Serial No. 10/727,461.

WHEREAS, The Board of Trustees of the University of Arkansas System, of 2404 North University Avenue, Little Rock, AR 72207-3608, (hereinafter called "ASSIGNEE"), is desirous of acquiring, and ASSIGNOR are desirous of assigning to ASSIGNEE, all right, title and interest in and to said invention and application identified above.

NOW, THEREFORE, ASSIGNOR, for and in consideration of Ten Dollars (\$10.00) to me in hand paid, and for other good and valuable consideration, the receipt of all of which is hereby acknowledged, do hereby sell, assign and convey upon ASSIGNEE and its successors the entire right, title and interest throughout the world in the inventions and improvements which are the subject of an application for United States Patent signed by me, this assignment including said application, 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 I authorize the Assignee to apply in all countries in my name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and I agree for me and my 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.

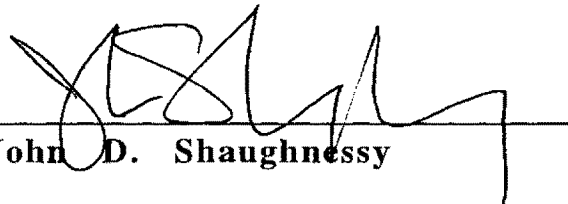
And I do further covenant and agree that I will, at any time upon request, communicate to the Assignee, its successors, assigns or other legal representative, such facts relating to said invention and Letters

PATENT

REEL: 028094 FRAME: 0520

Patent or the file history thereof as may be known to us, and testify as to the same in any interference or other litigation when requested, without further compensation but at the expense of said Assignee, its successors or other legal representatives.

DATE: 12/23/03


John D. Shaughnessy

STATE OF Arkansas:

COUNTY OF Saline:

Before me this 23rd day of December, 2003 personally appeared John Shaughnessy 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 Public Terrill Holloway

My Commission Expires: 2-1-11

