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oom D. Shauginlessy	Name: The Board of Trustees of the University of Arkansas
	Internal Address:
Additional name(s) of conveying party(les) attached? Yes N	
3. Nature of conveyance/Execution Date(s):	Street Address: 2404 North University Avenue
Execution Date(s) 11/13/2009	
Assignment Merger	
Security Agreement Change of Name	City: Little Rock
Joint Research Agreement	State: AR
Government Interest Assignment	
Executive Order 9424, Confirmatory License	Country:Zip: <u>72207-3608</u>
Other	Additional name(s) & address(es) attached? Yes No
4. Application or patent number(s):	document is being filed together with a new application.
A. Patent Application No.(s) 11/176,739	B. Patent No.(s)
11/1/0,/39	
Additional numbers at	l tached? Yes VNo
5. Name and address to whom correspondence	6. Total number of applications and patents
concerning document should be mailed:	involved:
Name:Benjamin Aaron Adler	7. Total fee (37 CFR 1.21(h) & 3.41) \$_40.00
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## ASSIGNMENT

WHEREAS, I, John D. Shaughnessy, of 26217 Goodson Road, Roland, AR 72135, (hereinafter collectively called "ASSIGNOR"), am inventor and owner of certain new and useful improvements in *Molecular Determinants of Myeloma Bone Disease and Uses Thereof*, an application for United States Letters Patent as filed July 7, 2005 as United States Serial No. 11/176,739.

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

NOW, THEREFORE, ASSIGNOR, for 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 my 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 myself 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 or the file history thereof as may

PATENT REEL: 023542 FRAME: 0213 be known to me, 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.

STATE OF

Before me this 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

Notary Public Marie Kinf
My Commission Expires: 8/18/2014

PATENT

REEL: 023542 FRAME: 0214