

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Steven N. Popoff	05/02/2001
Fayez Safadi	05/02/2001
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Temple University
<b>Street Address:</b>	1601 North Broad Street
<b>City:</b>	Philadelphia
<b>State/Country:</b>	PENNSYLVANIA
<b>Postal Code:</b>	19122
<b>PROPERTY NUMBERS Total: 3</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	09943075
Application Number:	10978758
Application Number:	11655472
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(617)428-7045
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
<b>Phone:</b>	6174280200
<b>Email:</b>	patentadministrator@clarkelbing.com
<b>Correspondent Name:</b>	Karen L. Elbing
<b>Address Line 1:</b>	Clark & Elbing, LLP
<b>Address Line 2:</b>	101 Federal Street
<b>Address Line 4:</b>	Boston, MASSACHUSETTS 02110
<b>ATTORNEY DOCKET NUMBER:</b>	50513/002001
<b>NAME OF SUBMITTER:</b>	Karen L. Elbing

**CH \$120.00 09943075**

Total Attachments: 2

source=50513.002001Assignments to Temple#page1.tif

source=50513.002001Assignments to Temple#page2.tif

## ASSIGNMENT

WHEREAS, we, Steven N. Popoff, a citizen of the United States and residing at 1841 Jericho Drive, Warrington, Pennsylvania 18976, and Fayez Safadi, a citizen of Syria and residing at 2805 North 47<sup>th</sup> Street, #404, Philadelphia, Pennsylvania 19131 (hereinafter called "ASSIGNORS") are the inventors of a certain new and useful invention and discovery entitled "OSTEOACTIVIN PROTEIN AND NUCLEIC ACIDS ENCODING THE SAME, COMPOSITIONS AND METHODS OF STIMULATING BONE DIFFERENTIATION" also identified as Attorney Docket Numbers 71369.262 and PFI-015P, the specification of which was filed with the United States Patent and Trademark Office as a provisional patent application on August 30, 2000, and assigned Serial Number 60/229,006.

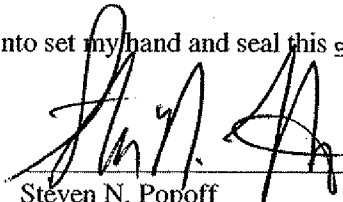
WHEREAS, Temple University, whose address is 1601 North Broad Street, Philadelphia, Pennsylvania 19122 (hereinafter called "ASSIGNEE") which, together with its successors and assigns is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited.

For valuable consideration, receipt of which is acknowledged, Assignors hereby assign to Assignee all of Assignors rights, title and interest in the Invention, all improvements therein, the Application and all priority rights arising therefrom, and any patents, and any reissues and extensions thereof, which issue in any country upon any patent applications which correspond with any of the following: the Application; any application that claims priority from the Application (including divisionals, continuations, continuation-in-parts, or as an application claiming priority from a provisional application); or any application based in whole or in part on any of the foregoing.

Assignors agree that such Assignors and Assignors' heirs and legal representatives will, without further consideration, cooperate with Assignee in the prosecution of all of the above applications, execute, verify, acknowledge and deliver all such further papers, including applications for patents and for reissues and extensions therefor, and instruments of assignment and transfer thereof, and will communicate any facts known to Assignors relating to the Invention, to obtain or maintain or enforce patents for the Invention and improvements therein any and all countries and to vest title thereto in Assignee. Assignors further agree that such Assignors will, without further compensation to Assignors during the term of such Assignors'

employment by Assignee and thereafter for reasonable compensation as determined by Assignee, perform such other acts as may be reasonably required when requested by Assignee, including attending depositions, preparing and executing declarations and affidavits and testifying as a witness, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto Assignee.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 2<sup>nd</sup> day of May 2001.

  
Steven N. Popoff

On this 2<sup>nd</sup> day of May, 2001, Steven N. Popoff, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

NOTARIAL SEAL  
MARGARET McCHESNEY, Notary Public  
City of Philadelphia, Phila. County  
My Commission Expires March 3, 2003

WITNESS: Margaret Mc Chesney

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 2 day of MAY 2001.

  
Fayez Safadi

On this 2<sup>nd</sup> day of May, 2001, Fayez Safadi, personally known to me to be the same individual who executed the foregoing Assignment, and who acknowledged to me that execution of the same was of his own free will for the use and purposes therein set forth.

NOTARIAL SEAL  
MARGARET McCHESNEY, Notary Public  
City of Philadelphia, Phila. County  
My Commission Expires March 3, 2003

WITNESS: Margaret Mc Chesney