502118085 11/06/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Arizona Board of Regents for and on behalf of Arizona State University 11/05/201	

RECEIVING PARTY DATA

Name:	Stephen A Johnston	
Street Address:	8606 S. Dorsey Lane	
City:	Tempe	
State/Country:	ARIZONA	
Postal Code:	85284	

PROPERTY NUMBERS Total: 4

Property Type	Number
Application Number:	60777534
PCT Number:	US0762920
Application Number:	12280389
Application Number:	13052490

CORRESPONDENCE DATA

Fax Number:

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 4803196293

Email: jack@jacksemerypa.com
Correspondent Name: Jack S. Emery PA
Address Line 1: PO Box 11887

Address Line 4: Portland, OREGON 97211

NAME OF SUBMITTER: Jack S. Emery

Total Attachments: 2

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PATENT

REEL: 029243 FRAME: 0792

OF \$160.00 60///534

ASSIGNMENT

THIS ASSIGNMENT is made by the Arizona Board of Regents for and on behalf of Arizona State University (hereinafter "Assignor") to Stephen A. Johnston, whose postal address is 8606 S. Dorsey Lane, Tempe, Arizona 85284 (hereinafter "Assignee").

WHEREAS, Assignee is an inventor of the subject matter (hereinafter the "Inventions") of U.S. provisional patent application No. 60/777,534 entitled "Identification and use of novopeptides for the treatment of cancer" and filed February 27, 2006; international patent application No. PCT/US07/62920 of the same title and filed February 27, 2007; U.S. utility patent application No. 12/280,389 of the same title and filed January 15, 2009; and U.S. divisional patent application No. 13/052,490, of the same title and filed March 21, 2011; all of which are hereinafter collectively referred to as the "Applications"; and

WHEREAS, the Applications were filed in the names of Assignee and Doug Lake as inventors, and the rights, title, and interests of Assignee and Doug Lake therein were assigned to Assignor by a written assignment recorded January 15, 2009 in Reel/Frame 022111/0685 of the records of the U.S. Patent and Trademark Office; and whereas Assignor has other rights in the Applications and Inventions arising from research and development performed by Assignee and Doug Lake in the course of their employment by Assignor and with the use of resources of Assignor, from funds expended and services performed by Assignor, and otherwise; and

WHEREAS, Assignor, through its agent Arizona Technology Enterprises, offered to assign its entire right, title and interest in the Applications and the Inventions to Assignee and Assignee accepted such offer, as set forth in a letter agreement dated July 23, 2012 and executed by Assignee on October 30, 2012;

NOW, THEREFORE, for good and valuable consideration, receipt of which is acknowledged, Assignor hereby sells, assigns, transfers, and sets over to Assignee, his heirs, successors, and assigns, the entire right, title, and interest of Assignor in the Applications and the Inventions, throughout the United States of America and the world, including any and all letters patent granted or to be granted on the Applications or any of them, and/or any successor applications by division, continuation, continuation-in-part, reissue, or otherwise descending or claiming priority therefrom or pertaining to the Inventions, in any jurisdiction.

Assignor agrees to do such acts and provide and/or execute such documents as may reasonably be required in furtherance hereof, and/or in the course of filing, prosecution and maintenance of the Applications and/or any successor applications, including without limitation any documents that may reasonably be required to affirm the rights of Assignee in and to the Applications and the Inventions, without further consideration. This assignment and the obligations created hereunder inure to the benefit of and are binding upon the parties, their heirs, successors, and assigns.

PATENT REEL: 029243 FRAME: 0793 DATED this 5 day of November, 2012.

ARIZONA BOARD OF REGENTS
for and on behalf of Arizona State University

By Many Deuser

Title Arcistant Vice President for Operations - OKED

STATE OF ARIZONA
County of Maricopa

The foregoing instrument was acknowledged before me, the undersigned Notary Public, this 5 day of November, 2012, by Tamara Deuser

Manual Pradd

Manual Pradd

My commission expires:

RECORDED: 11/06/2012

2/9/16

MIRANDA PRATT
Notary Public - State of Arizona
MARICOPA COUNTY
My Commission Expires
February 9, 2016

PATENT REEL: 029243 FRAME: 0794