503667759 01/27/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3714393

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	NUNC PRO TUNC ASSIGNMENT	
EFFECTIVE DATE:	01/01/2016	

CONVEYING PARTY DATA

Name	Execution Date
STEPHEN A JOHNSTON	01/25/2016

RECEIVING PARTY DATA

Name:	CALVIRI, INC., A DELAWARE CORPORATION	
Street Address:	8606 S. DORSEY LANE	
City:	TEMPE	
State/Country:	ARIZONA	
Postal Code:	85284	

PROPERTY NUMBERS Total: 4

Property Type	Number
Application Number:	60777534
Patent Number:	8796414
Application Number:	12280389
Application Number:	14451374

CORRESPONDENCE DATA

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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Correspondent Name: JACK S EMERY

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NAME OF SUBMITTER:

JACK S. EMERY

/Jack S. Emery #38869/

DATE SIGNED:

01/27/2016

Total Attachments: 2

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PATENT 503667759 REEL: 037601 FRAME: 0934

ASSIGNMENT

THIS ASSIGNMENT is made by Stephen A. Johnston, whose postal address is 8606 S. Dorsey Lane, Tempe, Arizona 85284 (hereinafter "Assignor") to Calviri, Inc., a corporation organized and existing under the laws of Delaware (hereinafter "Assignee") effective as of the 1st day of January, 2016.

WHEREAS, Assignor is an inventor of subject matter described in 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/US2007/062920 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 "Parent Applications"; and

WHEREAS, the Parent 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 the Arizona Board of Regents for and on behalf of Arizona State University 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, the rights, title, and interests of the Arizona Board of Regents for and on behalf of Arizona State University in the Parent Applications were assigned to Assignor by a written assignment dated November 5, 2012 and recorded November 6, 2012 in Reel/Frame 029243/0792 of the records of the U.S. Patent and Trademark Office; and

WHEREAS, on August 5, 2014, U.S. Patent No. 8,796,414 was issued on U.S. application 13/052,490; and

WHEREAS, Assignor is the inventor of subject matter described in U.S. continuation-inpart application No. 14/451,374, entitled "Identification and use of novopeptides for the treatment of cancer" filed August 4, 2014, and claiming priority from the Parent Applications; and

WHEREAS, Assignor has agreed to assign his entire right, title and interest in the Parent Applications and U.S. application No. 14/451,374 (hereinafter collectively referred to as the "Applications") and U.S. Patent No. 8,796,414, to Assignee and Assignee has agreed to accept such assignment;

NOW, THEREFORE, for good and valuable consideration, receipt of which is acknowledged, Assignor hereby sells, assigns, transfers, and sets over to Assignee, its successors and assigns, the entire right, title, and interest of Assignor in the Applications and U.S. Patent No. 8,796,414, 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, 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

PATENT REEL: 037601 FRAME: 0935 Applications, 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.

DATED this 25 day of January, 2016.

STATE OF ARIZONA County of Maricopa

The foregoing instrument was acknowledged before me, the undersigned Notary Public, this 25 day of January, 2016, by Stephen A, Johnston

My commission expires:

September 12, 2017

PATTIE MADJIDI Maricopa County My Commission Expires September 12, 2017

> **PATENT** REEL: 037601 FRAME: 0936

RECORDED: 01/27/2016