

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT4079889

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SHENG CAO	08/22/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	THE OHIO STATE UNIVERSITY
<b>Street Address:</b>	1524 NORTH HIGH STREET
<b>City:</b>	COLUMBUS
<b>State/Country:</b>	OHIO
<b>Postal Code:</b>	43201
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15122506
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(949)760-9502
<i>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.</i>	
<b>Phone:</b>	9497600404
<b>Email:</b>	efiling@knobbe.com
<b>Correspondent Name:</b>	KNOBBE MARTENS OLSON & BEAR LLP
<b>Address Line 1:</b>	2040 MAIN STREET
<b>Address Line 2:</b>	14TH FLOOR
<b>Address Line 4:</b>	IRVINE, CALIFORNIA 92614
<b>ATTORNEY DOCKET NUMBER:</b>	LIGAND.241NP
<b>NAME OF SUBMITTER:</b>	MARK D. MARSDEN
<b>SIGNATURE:</b>	/Mark D. Marsden/
<b>DATE SIGNED:</b>	10/03/2016
<b>Total Attachments: 1</b>	
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**QUITCLAIM ASSIGNMENT**

WHEREAS, Sheng Cao, residing in Milwaukee, Wisconsin, (individual, hereinafter "ASSIGNOR") had invented, along with other inventors, certain new and useful improvements, technology, inventions, developments, ideas, or discoveries related to GEMCITABINE ANALOGS (collectively hereinafter referred to as the "Work") for which a provisional patent application has been filed with the United States Patent and Trademark Office (hereinafter the "US Provisional Application") on March 3, 2014 and assigned US Application No. 61/947050;

WHEREAS, by virtue of ASSIGNOR being an employee of Ohio State University, Columbus OH 43210 (a university, hereinafter the "ASSIGNEE") at the time the Work was created, and the Work being created within the scope of ASSIGNOR'S employment under ASSIGNEE, and the provisions listed in Ohio Revised Code § 3345.14, ASSIGNOR previously assigned or was under an obligation to assign any and all rights in or to the Work to the ASSIGNEE;

AND WHEREAS the ASSIGNOR desires to confirm and clarify that ASSIGNOR asserts no rights in or to the Work and further desires to confirm that if ASSIGNOR presently has any rights in or to the Work then ASSIGNOR hereby transfers to ASSIGNEE or its assigns such rights.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby sells, assigns, transfers and sets over unto said ASSIGNEE, its successors, legal representatives and assigns, any right, title, and interest throughout the world in the Work that ASSIGNOR has in the Work that ASSIGNEE or its assigns does not already hold. The entire right, title, and interest referred to above includes any and all nonprovisional applications claiming priority to the US Provisional Application, including, all divisions, continuations, continuations-in-part, reissues, and reexaminations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and any related Letters Patent which have already been filed or may hereafter be granted or filed in any country or countries foreign to the United States, all extensions, renewals and reissues thereof; and ASSIGNOR hereby authorizes and requests the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all related Letters Patent to the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of said Letters Patent before or after issuance.

**Legal Name of inventor: Sheng Cao**

Signature: cao sheng Date: 8/22/2016

*Signature before a Notary is desirable but not required. When signed in presence of a Notary, please attach the appropriate notarial documentation.*

**PATENT**